Wednesday, 13 June 2018

Educational Afternoon Course
S01

Wednesday, 13 June 2018 | 13:00 - 16:30 | Main Hall

Educational Afternoon Course
S02

Wednesday, 13 June 2018 | 13:00 - 16:30 | Carstensen

Thursday, 14 June 2018

Instructional Course 1

S03 Instructional Course session
Fractures of the Hand and Carpus
Thursday, 14 June 2018 | 08:00 - 10:00 | Main Hall

Moderator: Michel Boeckstyns (Copenhagen, Denmark)

A-1205 Welcome and Introduction
Martin Richter
Germany

A-1206 Epidemiology
Kevin Chung
USA

A-1207 Evidence
Janos Rupnik
Hungary

A-1208 Conservative
Grey Giddins
UK

A-1209 K-wire & cerclage
Lindsay Muir
UK

A-1210 Intramedullary screws
Maurizio Calcagni
Switzerland

A-1211 Plates & screws
Philippe Cuenod
Switzerland

A-1212 External fixation
Frédéric Schuind
Belgium

A-1213 Compound fractures
Thomas Giesen
Switzerland

Lecture 1

S04
Donald Lalonde

Thursday, 14 June 2018 | 08:00 - 08:20 | Carstensen

A-1124 Getting Better Results with Wide Awake Surgery
Donald Lalonde
Canada

Imaging

S06 Free paper session

Thursday, 14 June 2018 | 08:00 - 09:40 | Lumbye

A-0267 Carpal Alignment: A New Method for Assessment
C.A. Selles [1], L. Ras [1], M.M.J. Walenkamp [1], M. Maas [2], J.C. Goslings [1], N.W.L. Schep [3]
[1] Trauma Unit, Department of Surgery, Academic Medical Center, Amsterdam, the Netherlands; [2] Department of Radiology, Academic Medical Center, Amsterdam, the Netherlands; [3] Department of Trauma and Hand Surgery, Maasstad Hospital, Rotterdam, the Netherlands

A-1076 The scapholunate gap increases with forearm supination. A laboratory study.
Mireia Esplugas [1], Guillem Salvà-Coll [2,3], Marc Garcia-Elias [4], Alex Lluch-Bergadà [4,5], Manuel Llusá-Pérez [6]
[1] Hospital Activamutua-Tarragona- Spain; [2] Hospital Son Espases- Mallorca- Spain; [3] IBACMA- Mallorca- Spain; [4] Institut Kaplan- Barcelona-Spain; [5] Hospital Vall d´Hebrón- Barcelona- Spain; [6] Departament d´Anatomia- Universitat de Barcelona- Barcelona- Spain.

A-0047 How Reliable is the Radiographic Diagnosis of Mild Madelung Deformity?
Sebastian Farr [1], Thierry G. Guitton [2], David Ring [3], Science of Variation Group
[1] Orthopedic Hospital Speising, Vienna, Austria; [2] University Medical Center, Groningen, The Netherlands; [3] Dell Medical School - The University of Texas, Austin, TX, USA

A-0206 Comparison of Contact and Non-contact Ultrasound Examination of the Hand
Rebecca Lim [1], Chin Shu Ting [2], Chan Kai Li [2], Abby Choke [1], Tay Shian Chao [1,2], Duncan Angus McGrouther [1,2]
[1] Department of Hand Surgery, Singapore General Hospital, Singapore; [2] Biomechanics Laboratory, Singapore General Hospital, Singapore

A-0952 Contribution of ultrasound in the preoperative assessment of partial wrist denervation: an cadaveric and comparative study.
Vanessa costil, Thomas Apard
Ultrasound Surgery of the Hand, Private Hospital of Versailles, France

A-0876 Diagnosis of hand and forearm fractures in whole body CT after polytrauma
Friederike Münn [1], Andreas Eisenschenk [1,2], Martin Lautenbach [3], Tobias Topp [3], Simon Kim [1]
[1] Universitätsmedizin Greifswald, Germany; [2] Unfallkrankenhaus Berlin, Germany; [3] Krankenhaus Waldfriede Berlin, Germany

A-0630 Assessment of scaphoid fracture patterns using a 3D-CT model
Gernot Schmidle, Rohit Arora, Markus Gabl
Department for Trauma Surgery, Medical University Innsbruck, Innsbruck, Austria

A-1113 CT-scans alter treatment in 33% of scaphoid fractures deemed undisplaced by conventional x-rays
Johannes Heindl [1], Jesper Sonntag [2], Per Rasmussen [2], Per Hølmer [2], Birgit Waschulzik [3], Claus Hjorth Jensen [4], Anders Klahn [2]
[1] Lakumed Clinic Landshut-Achdorf, Germany; [2] Nordsjaellands Hospital, Hillerød, Denmark; [3] Institute of Medical Informatics, Statistics and Epidemiology, Munich, Germany; [4] Herlev-Gentofte University Hospital of Copenhagen, Denmark

A-0766 Toward standardization of an anatomical coordinate system for the radius in 3D imaging: reliability of automatic and manual placement
Marieke GA de Roo [1,2], Johannes GG Dobbe [2], Geert J Streekstra [2], Simon D Strackee [1]
[1] Department of Plastic, Reconstructive and Hand Surgery, Academic Medical Center (AMC), University of Amsterdam, Amsterdam, the Netherlands; [2] Department of Biomedical Engineering and Physics, Academic Medical Center (AMC), University of Amsterdam, Amsterdam, the Netherlands

A-0759 Analysis of interfragmentary motion in scaphoid fractures by 4-dimensional computed tomographic imaging
Marieke GA de Roo [1,2], Johannes GG Dobbe [2], Geert J Streekstra [2], Simon D Strackee [1]
[1] Department of Plastic, Reconstructive and Hand Surgery, Academic Medical Center (AMC), University of Amsterdam, Amsterdam, the Netherlands; [2] Department of Biomedical Engineering and Physics, Academic Medical Center (AMC), University of Amsterdam, Amsterdam, the Netherlands

A-0037 Findings of an early limited-sequence MRI protocol in suspected scaphoid fractures
Jefin Jose Edakalathur, Kevin Syam, Adam Watts
Wrightington Hospital, Wigan, UK

A-0951 Magnetic Resonance Arthrography (MRA) classification of the lesions of the Dorsal Capsulo-Scapholunate Septum (DCSS) of the Wrist – Arthroscopic correlations
Luc Van Overstraeten [1,4], Maryam Shahabpour [2], Emmanuel J Camus [3], Fabian Moungondo [4]
[1] Hand and Foot Surgery Unit, Tournai, Belgium; [2] Universitair Ziekenhuis Brussel; (UZ Brussel); [3] SEL Chirurgie de la Main et du pied, Lesquin, France; [4] ULB Erasme University Hospital, Brussels, Belgium

A-0998 Dynamic MRI at 3T can determine the viability of the lunate bone in patients with Kienböck's disease
Anders Björkman [1], Sven Månsson [2], Markus F. Müller [3], Martin Johansson [4], Gunilla Müller [3]
Departments of [1] Hand Surgery, [2] Medical Radiation Physics, [3] Radiology and [4] Pathology Department of Translational Medicine (1-4), Lund University, Skåne University Hospital, Malmö, Sweden

Paediatric Trauma

S08 Free paper session

Thursday, 14 June 2018 | 08:00 - 09:00 | Pjerrot

A-0082 Transphyseal humeral separations are associated with high fates of misdiagnosis by radiologists and emergency department physicians
Arun Hariharan [1], Christine Ho [2], Andrea Bauer [3], Charles Mehlman [4], Nathan O'Hara [1], Paul Sponseller [5], Joshua M. Abzug [6]
[1] University of Maryland Orthopaedic Associates, Baltimore, USA; [2] Texas Scottish Rite Hospital for Children, Texas City, USA; [3] Boston Children's Hospital, Boston, USA; [4] Cincinnati Children's Hospital Medical Center, Cincinnati, USA; [5] John's Hopkins Hospital, Baltimore, USA; [6] University of Maryland School of Medicine, Baltimore, USA

A-0261 Tension failure greenstick fractures and slightly Z-folded concave side cortex are risk factors for fracture displacement in conservative treatment of pediatric distal radius incomplete fracture without manipulation
Souichi Ohta, Ryosuke Ikeguchi, Hiroki Oda, Hirofumi Yurie, Hisataka Takeuchi, Sadaki Mitsuzawa, Shuichi Matsuda
Kyoto University, Kyoto, Japan

A-0155 High incidence of re-dislocation of paediatric distal both-bone forearm fractures.
E.A.K. van Delft [1], J. Vermeulen [2], G. van der Bij [3]
[1] VU Medical Center, Amsterdam, The Netherlands; [2] Spaarne Gasthuis, Haarlem, The Netherlands; [3] OLVG West, Amsterdam, The Netherlands

A-0904 Which factors affect limitation of pronosupination after both-bone forearm fractures in children? The long-term follow-up of a prospective study
Kasper Roth [1,2], Leon Diederix [2,3], Max Reijman [2], Jan Verhaar [2], Joost Colaris [2]
[1] Amphia Hospital, Breda, the Netherlands; [2] Erasmus Medical Centre, Rotterdam, the Netherlands; [3] Reinier de Graaf Hospital, Delft, the Netherlands

A-0901 Three-dimensional virtual planning of corrective osteotomies for paediatric malunited forearm fractures: a prospective study
Kasper Roth [1,2], Filip Stockmans [3], Edwin Oei [2], Eline van Es [2], Max Reijman [2], Jan Verhaar [2], Joost Colaris [2]
[1] Amphia Hospital, Breda, the Netherlands; [2] Erasmus Medical Centre, Rotterdam, the Netherlands; [3] KU Leuven, Leuven, Belgium

A-0532 Physeal Bar Resection Under Guidance with a Navigation System and Endoscopy for Correction of Distal Radial Deformities after Growth Plate Arrest
Yoshinori Takemura [1], Narihito Kodama [1], Kosei Ando [2], Kensaku Kuga [3], Yoichiro Kuyama [4], Shinji Imai [1]
[1] Department of Orthopaedic Surgery, Shiga University of Medical Science; [2] Department of Orthopaedic Surgery, Yasu Hospital; [3] Department of Orthopaedic Surgery, Japan Community Health Care Organization Shiga Hospital; [4] Department of Orthopaedic Surgery, Shiga Medical Center for Children

Implants

S10 Free paper session

Thursday, 14 June 2018 | 08:00 - 10:00 | Arkaden 8

A-0712 Long-term outcomes of the use of a spherical ulnar head prosthesis for failed Sauvé-Kapandji procedures
Margaret Fok [1], Diego Fernandez [2], Jörg van Schoonhoven [3]
[1] Department of Orthopaedics and Traumatology, Queen Mary Hospital, The University of Hong Kong, Hong Kong; [2] Department of Orthopaedic Surgery, Lindenhof Hospital, Bern, Switzerland; [3] Clinic for Hand Surgery, Bad Neustadt an der Saale, Bavaria, Germany

A-0600 Functional Outcome after Constraint Distal Radioulnar Joint Replacement
Hans Tromborg
Hand Surgery / Orthopedic, Odense University Hospital, Denmark

A-0972 One to thirteen years follow-up of Total Wrist arthroplasty
Allan Ibsen Sørensen [1 2], Peter Axelsson [1], Christer Sollerman [1]
[1] University Hospital Sahlgrenska, Gothenburg, Sweden; [2] University Hospital Gentofte / Rigshospitalet, Copenhagen, Denmark

A-0513 Six month to seven years results of revision of a wrist arthroplasty to new wrist arthroplasty
Allan Ibsen Sørensen, Peter Axelsson, Christer Sollerman
Sahlgrenska University Hospital, Gothenburg, Sweden

A-0659 Arthroplasty of the wrist with the Amandys implant: results of a monocentric series of 38 cases with a minimal follow-up of 5 years.
Catherine Maes-Clavier [1], Philippe Bellemère [2], Etienne Gaisne [2], Thierry Loubersac [2], Yves Kerjean [2]
[1] CHU Amiens, France; [2] Clinique Jeanne-d'Arc, Nantes, France

A-0846 Resurfacing Capitate Pyrocarbone Implant associated to first row carpectomy: it should be an alternative to 4CF and scaphoidectomy in SLAC-SNAC stage III wrists?
Ferrero Matteo [1], Giacalone Francesco [1], Cosentino Pier Luigi [1], Di Summa Pietro [2], Battiston Bruno [1]

[1] S.C. Ortopedia e Traumatologia II a indirizzo Chirurgia della Mano, Città della scienza e della salute Torino, Italy; [2] CHUV, Lausanne, Switzerland

A-0245 Adaptive Proximal Scaphoid Implant : indications and results
Nicolas Dreant, Marie-Anne Poumellec
Pole Urgence Main, Nice, France

A-0863 Pyrocarbon partial scaphoid prosthesis (APSI): why, when, how
Francesco Giacalone, Matteo Ferrero, Maddalena Bertolini, Alessandro Fenoglio, Bruno Battiston
Hand Surgery Department, CTO Hospital, Torino, Italy

A-0776 Long-term Results of Treatment of Scapho-trapezium-trapezoid (STT) Arthritis By Use of Pirocarbon Implant (STPI)
Enrico Carità, Alberto Donadelli, Landino Cugola
Clinica San Francesco, Italy

A-0510 Short to long-term follow-up of surface replacement MCP Arthroplasties
Allan Ibsen Sørensen, Anders Nilsson
Sahlgrenska University Hospital, Gothenburg, Sweden

A-0539 Avanta Preflex silastic implant in metacarpophalangeal joint arthroplasty in rheumatoid arthritis
Shosuke Akita, Shigeyoshi Tsuji, Koji Yachi, Takaaki Noguchi, Jun Hashimoto
Osaka Minami Medical Center, Kawachinagano, Japan

A-0231 Retrieval analysis of thirty explanted NeuFlex metacarpophalangeal joint prostheses
Thomas Joyce [1], Grey Giddins [2]
[1] Newcastle University, Newcastle upon Tyne, UK; [2] Royal United Hospital, Bath, UK

A-0512 Short to eleven years follow-up of SR-PIP Arthroplasty
Allan Ibsen Sørensen, Anders Nilsson
Sahlgrenska University Hospital, Gothenburg, Sweden

A-0838 Osseointegrated thumb prostheses as an alternative for toe to thumb transfers
Katarzyna Kulbacka-Ortiz, Kerstin Caine-Winterberger, Yan Li, Rickard Brånemark
Centre for Advanced Reconstruction of Extremities (CARE), Sahlgrenska University Hospital, Gothenburg, Sweden

WALANT-Difficult Tendon Problems

S05 Free paper session

Thursday, 14 June 2018 | 08:20 - 10:00 | Carstensen

A-0099 The creation of a Wide Awake Hand Surgery service in an NHS Trust in the UK. Challenges, cost savings and effectiveness
Constantinos Kritiotis [1,2], Zaf Naqui [1], Anuj Mishra [1], Ishan Radotra [1]
[1] Manchester Hand Centre, Salford Royal NHS Foundation Trust, Manchester, UK; [2] Iasis Private Hospital, Paphos, Cyprus

A-0140 Benefits of the Implantation of a "Wide Awake Surgery" Circuit in Hand Surgery
Ana M. Far-Riera, Carlos Perez-Uribarri, Marcos Sánchez Jimenez, Tomas Pujol Oliver, Jose María Rapariz González
Hospital Son Llàtzer, Palma De Mallorca, Islas Baleares, Spain

A-0719 Wide Awake Hand Surgery - Limits and Complications
Kai Megerle, Julia Jakobus, Ursula Kraneburg, Hans-Günther Machens
Clinic for Plastic Surgery and Hand Surgery, Technical University of Munich, Munich, Germany

A-0024 Clinical evaluation of surgical management of hand pathologies under local anesthesia
Juanos Cabanas Jordi, Schuind Frederic, Jennart Harold, Zorman David
CHU Tivoli, La Louvière (Belgium); Erasme Hospital, Brussels (Belgium)

A-0043 Scope in Hand Surgery Using Surgeon Administered Local/Regional Anaesthesia (SALoRA)
Sim Wei Ping, Tan Shoun, Vaikunthan Rajaratnam
Khoo Teck Puat Hospital, Singapore

A-0853 The advantages of using WALANT anesthesia for hand and wrist fractures- personal experience
Daniel Vilcioiu [1], Dragos Zamfirescu [2], Andrei Ursache [1], Ioan Cristescu [1]
[1] Clinical Emergency Hospital of Bucharest, Bucharest, Romania; [2] Zetta Clinic, Bucharest, Romania

A-0554 Wide awake flexor pollicis longus and digital nerve repairs on patients in the prone position
Thomas Apard [1], Yann Erwan Favennec [1], Gilles Candelier [1], Daniel Mckee [2], Donald H. Lalonde [2]
[1] Center of Hand Surgery, Private Hospital of Saint Martin, Caen, France; [2] Plastic Surgery, Dalhousie University, Saint John, New Brunswick, Canada

A-0075 Correlation between Extension-Block K-wire Insertion Angle and Postoperative Extension Loss in Mallet Finger Fracture
Sang Ki Lee [1], Youn Moo Heo [2]
[1] Eulji University College of Medicine, Daejeon, Korea; [2] Konyang University College of Medicine, Daejeon, Korea

A-0143 WALANT for tendon transfers after neglected peripheral nerve and shoulder plexus injuries
Sergii Strafun, Andrii Lysak, Artur Bezuhlyi, Sergii Tymoshenko, Mykola Oberemok
State institution "Institute of Traumatology and Orthopedics of NAMS of Ukraine", Kyiv, Ukraine

A-0114 Reconstruction of ulnar dislocation of the extensor tendon at the metacarpophalangeal joint
Masayoshi Ikeda [1,2], Yuka Kobayashi [2], Takehiko Takagi [2], Ikuo Saito [2,3], Takayuki Ishii [2], Daisuke Nakajima [2], Masahiko Watanabe [2]
[1] Shonan Central Hospital, Fujisawa, Japan; [2] Tokai University School of Medicine, Isehara, Japan; [3] Isehara Kyodo Hospital, Isehara, Japan

A-1022 Lumbrical plus or paradox finger extension syndrome - case report and review of the literature
Andreas Gohritz, Dirk J. Schaefer
Plastic, Reconstructive and Aesthetic Surgery, Hand Surgery, University Hospital, Basel, Switzerland

A-1025 Saddle deformity: a case report
David Jann, Maurizio Calcagni, Thomas Giesen
University Hospital Zurich, Switzerland

A-0144 More alternatives for zone 1 and 2 flexor pollicislongus tendon reconstruction
Irina Miguleva, Aleksei Fain
Sklifosovsky Clinical and Research Institute for Emergency Medicine, Moscow, Russia

A-0193 Functional Assessment and Clinical Outcomes After Combined Flexor and Extensor Tenolysis (FALCON) – A Retrospective Chart Review
Emma Avery, Robert Strazar, Avinash Islur
St. Boniface Hospital, Winnipeg, CA, USA

Top Five Most Downloaded Papers from JHS

S09 Symposium

Thursday, 14 June 2018 | 09:00 - 10:00 | Pjerrot

Lecture 2

S07
Philippe Liverneaux

Thursday, 14 June 2018 | 09:40 - 10:00 | Lumbye

A-1125 The Benefit of Small Incisions
Philippe Liverneaux
France

Instructional Course 2

S11 Instructional Course session
Fractures of the Hand and Carpus

Thursday, 14 June 2018 | 10:30 - 12:30 | Main Hall

Moderator: Michel Boeckstyns (Copenhagen, Denmark)

A-1214 Paediatric
Pernille Leicht
Denmark

A-1215 Paralytic
Gürsel Leblebicioglu

Turkey

A-1216 Athletes
William Geissler

A-1217 Musicians
Philippe Cuenod
Switzerland

A-1218 Complications
Jin Cheng

A-1219 Rehabilitation
Jürgen Mack

Work Related Conditions

S12 Symposium
Thursday, 14 June 2018 | 10:30 - 11:40 | Carstensen

Moderator: Torben Bæk Hansen (Denmark)

A-1137 Introduction
Torben Bæk Hansen
Holstebro, Denmark

A-1138 Occupationally induced hand and wrist disorders
Jane F. Thomsen
Copenhagen, Denmark

A-1139 The Effect of Workers' Compensation on Outcome after Upper Extremity Surgery
Kevin C. Chung
Michigan, USA

A-1140 Return to work after hand and wrist injury
Joseph J. Dias
Leicester, UK

Advances in the Imaging of Hand and Wrist

S14 Symposium
Thursday, 14 June 2018 | 10:30 - 12:30 | Lumbye

Moderators: Frédéric Schuind (Belgium), Igor Golubev (Russia)

A-1145 MRI of scapholunate ligament complex (with arthroscopic correlation)
Maryam Shahabpour [1], Barbara Staelens [1], Jean Goubau [1], Luc Van Overstraeten [2]
[1] UZ Brussel VUB; [2] Erasme ULB, Brussels, Belgium

A-1146 Radiostereometry in the Hand and Wrist
Maiken Stilling
Holstebro, Denmark

A-1147 High-Resolution Ultrasonography and Electromyography of Traumatic and Non-Traumatic Injuries of the Upper Extremity and Hand
Dmitry Druzhinin, Mikhail Novikov
Yaroslavl, Russia

A-1148 Peroperative use of sonography in hand surgery
Fabian Moungondo
Brussels, Belgium

Anterior Interosseous Nerve Syndrome Redefined

S15 Symposium

Thursday, 14 June 2018 | 10:30 - 11:00 | Pjerrot

A-1203 Introduction: How high resolution imaging of Parsonage Turner Syndrome has changed our perspectives on etiology and treatment
Zsuzsanna Aranyi
Budapest, Hungary

A-1204 Challenging dogma: The role of surgery in AIN syndrome
Scott W. Wolfe
New York, USA

TFCC / Pain

S18 Free paper session

Thursday, 14 June 2018 | 10:30 - 12:20 | Arkaden 8

A-0958 Comparison of clinical and radiological outcomes of AO 3.5 dynamic compression plate, 3.5 limited contact-dynamic compression plate and 2.7 ulnar osteotomy plate for ulnar shortening osteotomy in patients with idiopathic ulnocarpal impaction syndrome
Sung-Bae Park [1], Joing-Pil Kim [1,2], Dong-Ho Lee [1,2,3]
Dankook University College of Medicine, Cheonan, South Korea

A-0751 The Natural Course of Triangular Fibrocartilage Complex Tear Without Distal Radioulnar Joint Instability
Bong Cheol Kwon, Jae-Yeon Hwang, Seon Jong Lee
Hallym University Sacred Heart Hospital, Anyang, South Korea

A-0947 Early mobilisation after foveal reinsertion of TFCC, a prospective study of stability and functional outcome
Anders Wallmon, Karin Lind
HandCenter Göteborg, Sweden

A-1051 Results of Anatomic Ligamentous Reconstruction of Post-traumatic Subluxated Ulnar Head Using Half Strip Flexor Carpi Ulnaris Tendon.
Muhammad A Quolquela
Tanta University, Department of orthopaedics, Tanta, Egypt

A-0531 Interpretation of Ulnocarpal Stress Test in Different Forearm Rotation
Hanvit Kang [1], Jin Hyung Lim [2], Il Jung Park [1], Joo Yup Lee [1]
[1] Department of Orthopedic Surgery, the Catholic University of Korea; [2] Department of Orthopedic Surgery, Gyeongsang University

A-0129 Functional outcome after ulna shortening osteotomy in regard to DRUJ configuration
Rafael G. Jakubietz, Fabian Gilbert, Michael G. Jakubietz, Karsten Schmidt, Rainer H. Meffert
Department of Trauma, Hand, Plastic and Reconstructive Surgery, Julius-Maximilians-University Wuerzburg, Wuerzburg, Germany

A-0340 Arthroscopic resection of the distal ulna (wafer procedure) - an adequate treatment option?
Vanja Celigoj, Bernhard Lukas, Claus J. Deglmann
Center of Hand and Elbow Surgery, Microsurgery and Plastic Surgery, Schoen Klinik Muenchen Harlaching, Munich, Germany

A-0686 New Arthroscopic Classification of TFCC injuries
Toshiyasu Nakamura, Koji Abe
Department of Orthopaedic Surgery, School of Medicine, International University of Health and Welfare, Tokyo, Japan

A-0730 Influence of Plate Types on Clinical and Radiological Outcomes of Ulnar Shortening Osteotomy in Patients with Idiopathic Ulnocarpal Impaction Syndrome
Jong-Pil Kim, Sung-Bae Park, Dong-Ho Lee
Department of Orthopaedic Surgery, Dankook University College of Medicine, Cheonan, South Korea

A-0135 Arthroscopic Wafer Procedure Versus Ulnar Shortening Osteotomy as a Surgical Treatment for Idiopathic Ulnar Impaction Syndrome
Won-Taek Oh [1], Yun-Rak Choi [1], Ho-Jung Kang [1], Il-Hyun Koh [1], Ji-Sub Kim [2], Sang-Yun Lee [1], Jung-Jun Hong [1]
[1] Yonsei University College of Medicine, South Korea; [2] Catholic Kwandong University College of Medicine, South Korea

A-0960 Dynamic Radiostereometric Analysis for Evaluation of Kinematics in the Distal Radioulnar Joint Before and After TFCC Lesions
Janni Kjærgaard Thillemann [1,2], Sepp De Raedt [4], Peter Bo Jørgensen [2], Emil Toft Nielsen [1,2], Lone Rømer [3], Torben Bæk Hansen [1,2], Maiken Stilling [1,2]
[1] Department of Orthopaedics, University Clinic of Hand, Hip and Knee Surgery, Hospital Unit West, Denrmark; [2] Department of Clinical Medicine, Aarhus University, Denmark; [3] Department of Radiology, Aarhus University Hospital, Denmark; [4] Nordic Roentgen Technique, Aarhus, Denmark

A-0755 Update and increase the quality of analgesia and anesthesia in animal research
Belén García-Medrano [1], Fernando Moreno Mateo [1], Clarisa Simón Pérez [1], Ángel José Álvarez Barcia [2], MJ Gayoso Rodríguez [3], Martín-Miguel Ferrero [1]
[1] Orthopaedic Surgery, Hand Unit, Hospital Clínico, Valladolid, Spain; [2] Animal welfare and Research department, Faculty of Medicine, University of Valladolid, Valladolid, Spain; [3] Cell biology and Histology department, Faculty of Medicine, University of Valladolid, Valladolid, Spain

A-0926 Pulsed Radiofrequency Is a New Chance to Treat Neurophatic Pain After Traumatic Peripheral Nerve Injury
Ernesta Magistroni [1] , Valter Verna [2], Ilaria Da Rold [1], Daniele Molino [1], Maddalena Bertolini [1], Giuseppe Massazza [1]
[1] University Hospital \"C.T.O. - Città della Salute e della Scienza\" , Turin, Italy; [2] Alba-Bra Hospital - Cuneo, Italy

A-0893 Treatment of postoperative pain for distal radius fractures: Corticosteroids VS non-steroidal anti-inflammatory drugs. A prospective study
Francisco Cuadrado Abajo, Manuel Sánchez Crespo, Gonzalo García Portal, María de los Ángeles de la Red Gallego, José Couceiro Otero, Olga María Vélez García, Higinio Ayala Gutiérrez, Vanesa Rodríguez Cortavitarte
Marqués de Valdecilla Universitary Hospital

A-0978 Arthroscopic management of painful dorsal wrist ganglion
Mathilde Gras [1,2], Christophe Mathoulin [1]
[1] Institut de la Main - Clinique Bizet, Paris, France; [2] Institut Nollet, Paris, France

A-0492 Classification od distal radio-ulnar joint (DRUJ) pathology in rheumatoid arthritis (RA)
Grey Giddins, Reda Ramadan
Royal United Hospital, Bath, UK

Lecture 3
S16
Eduardo Zancolli

Thursday, 14 June 2018 | 11:00 - 11:20 | Pjerrot

A-1126 Simple and Severe Carpal Tunnel Syndrome. Should all be treated the same?
Eduardo Zancolli
Buenos Aires, Argentina

Scaphoid
S17 Free paper session

Thursday, 14 June 2018 | 11:20 - 12:30 | Pjerrot

A-1017 A cadaveric study on the accuracy of an individualized guiding template to assist placement of scaphoid screws using computed-assisted design and three-dimensional printing technique
Yang Guo, Guanglei Tian, Liying Sun
Beijing Jishuitan Hospital, Beijing, China

A-0594 Time to union of scaphoid waist fractures treated by percutaneous screw fixation
Vera Fischer, Christoph Stern, Marco Canova, Silvia Schibli
Cantonal Hospital of Graubünden, Chur, Switzerland

A-0085 Operative management for pediatric and adolescent scaphoid nonunions: A meta-analysis
Julio Jauregui [1], Edward Seger [2], Mark Shasti [1], Joshua M. Abzug [1]
[1] University of Maryland School of Medicine, Baltimore, USA; [2] SUNY Downstate Medical Center, Brooklyn, USA

A-0105 Comparison of Two Bone Grafting Techniques for the Treatment of Scaphoid Waist Non-unions: Iliac Bone Graft vs Anterolateral Corner of Distal End of Radius
Ji Sup Kim [1], Ho Jung Kang [2]

[1] Department of Orthopedic Surgery, International St. Mary's Hospital, Catholic-Kwandong University, Incheon, South Korea; [2] Department of Orthopedic Surgery, Yonsei University College of Medicine, Seoul, South Korea

A-0622 Bone healing in scaphoid fracture non union – correlation of CT and histopathology
Gernot Schmidle, Rohit Arora, Markus Gabl
Department for Trauma Surgery, Medical University Innsbruck, Innsbruck, Austria

A-0740 Early radiological results of arthroscopic treatment of the scaphoid nonunion
Igor Golubev, Maxim Merkulov, Oleg Bushuev, Galina Shiryaeva, Andrey Maximov, Ilya Kutepov, Olga Hozyainova
Department of Hand and Microsurgery, N.N. Priorov National Medical Research Center of Traumatology and Orthopaedics (CITO), Moscow, Russia

A-0880 Vascularized versus non-vascularized bone grafts in the treatment of scaphoid non-union.
Emre Gazyakan, Christoph Hirche, Ling-Yun Xiong, Christian Heffinger, Amir Bigdeli, Berthold Bickert, Ulrich Kneser
Department of Hand, Plastic and Reconstructive Surgery, University of Heidelberg, BG Clinic Ludwigshafen, Ludwigshafen, Germany

A-1098 A Comparative Study of the Clinical and Functional Outcomes Following Open Autologous Bone Grafting versus Arthroscopic Assisted Bone Grafting for Scaphoid Nonunion Treatment
Mehmet Ali Acar, Ebubekir Eravsar, Egemen Odabasi
Selcuk University Department of Orthopaedics and Traumatology, Konya, Turkey

Athletic injuries. Prevention and Treatment

S13 Symposium
Thursday, 14 June 2018 | 11:40 - 12:40 | Carstensen
Moderator: Robert Gvozdenovic (Denmark)

A-1141 Athletic hand injuries
Mike Hayton

A-1142 Injuries in Ball Sports
Grégoire Chick

A-1143 Prevention, bracing and rehabiltation
William Geissler

A-1144 Accelerated recovery in athletic hand injuries. Clinical cases
Robert Gvozdenovic
Denmark

Lectures 4

S19
President's Lecture: Michel Boeckstyns
Honorary Lecture: Zsolt Szabó
P. N. Soucacos
Henk Giele

Thursday, 14 June 2018 | 14:00 - 16:00 | Main Hall

A-1127 President's Lecture: What 37 years with Hand Surgery have taught Me: Controversial Procedures that I still Perform and Procedures that I have Abandoned
Michel Boeckstyns
Copenhagen, Denmark

A-1128 Honorary Lecture: The human hand: the most wonderful tool of nature
Zsolt Szabo
Miskolc, Hungary

A-1129 Past, Present and Future of Hand Microsurgery
P. N. Soucacos
Greece

A-1130 The Future of Hand Surgery
Henk P Giele
Oxford, UK

Case Presentations (Combat of the Chiefs)

S20 Symposium
Thursday, 14 June 2018 | 14:00 - 15:00 | Carstensen
Moderator: Igor Golubev (Russia)

Hand Problems in Musicians

S22 Symposium
Thursday, 14 June 2018 | 14:00 - 15:40 | Lumbye
Moderators: Philippe Cuénod (Switzerland)

A-1149 Muscle force optimization in piano playing. A biomechanical analysis
M.C.K. Mak, I.Y.C. Chan, L.K. Hung
Hong Kong

A-1150 Hand surgery in musician patients
Philippe Cuénod
Geneva, Switzerland

A-1151 Physiotherapy for Functional Dystonia of the Musician
Aude Hauser-Mottier
Geneva, Switzerland

A-1152 Cure of focal hand dystonia in musicians with stereotactic neurosurgery
Takaomi Taira, Shiro Horisawa
Tokyo, Japan

Tendon

S24 Free paper session
Thursday, 14 June 2018 | 14:00 - 16:10 | Pjerrot

A-1053 Extensor aponeurosis – bone-tendon-connection. New Insights into the Extensor Digitorum Communis Insertion: A Cadaveric Study
Pernille Nygaard Vedel [1], Lars B. Dahlin [2], Jørgen Tranum-Jensen [3], Elisabeth Brogren [2], Niels Henrik Søe [4]
[1] Department of Orthopedics, Bispebjerg Hospital, Copenhagen University, Denmark; [2] Dept Translational Medicine - Hand Surgery, Lund University and Dept Hand Surgery, Skåne University Hospital, Malmö, Sweden; [3] Institute for Cellular and Molecular Medicine, Panuminstitutte, University of Copenhagen; [4] Section of Hand Surgery, Herlev and Gentofte University Hospital, Gentofte Hospital, Hellerup, Denmark

A-0586 The fascia lata graft: A new Technique for multiple extensor tendon defect repair
M Yavari, S Shahrokh, M Moosavizadeh, S Alhosseini
Shahid Beheshti University of Medical Science, Tehran , Iran

A-0033 Results of the surgical treatment of De Quervain's tenosynovitis: 80 cases with a mean follow up of 9.5 years.
Johanne Garçon [1], Bertille Charruau [2], Emilie Marteau [2], Guillaume Bacle [2], Jacky Laulan [2]
CHU Poitiers [1], CHU Tours [2]

A-0737 Tendon subluxation after surgical release of the first compartment in De Quervain disease: A prospective randomized controlled study comparing simple midline incision and dorsoulnar incision for elevating radial flap
Jong-Pil Kim, Seg-Won Yang, Dong-Ho Lee
Department of Orthopaedic Surgery, Dankook University College of Medicine, Cheonan, South Korea

A-0808 Oxidative protein damage and extracellular matrix changes in diabetic trigger finger patients
Nazmi Bulent Alp [1], Gülsüm Karduz [2], Kübra Vardar [2], Uğur Aksu [2]
[1] Istanbul Bahcelievler State Hospital Ortopedics and Traumatology Department, Turkey; [2] Istanbul University, Science Faculty, Biology Department, Istanbul, Turkey

A-0914 Comparative study of different incision types in trigger finger release
Beata Bajdik, Balazs Lenkei, Zsolt Szabo
Handsurgery Center of Miskolc, Hungary

A-0440 Complications after a simple operation – the trigger finger
Balazs Lenkei, Adrienn Lakatos, Zsolt Szabo
Hand Surgery Center Miskolc, Hungary

A-0741 Does Bowstringing Affect Hand Function in Patients Treated with A1 Pulley Release for Trigger Thumb: A Randomized Trial Comparing Percutaneous versus Open Technique
Jong-pil Kim, Kwang-hee Park, Jae-wook Jung
Department of Orthopaedic Surgery, Dankook University College of Medicine, Cheonan, South Korea

A-0925 Histological, immunohistochemical and microstructural assessment of flexor tendon grafts for pulley reconstruction - a cadaver study
Tobias Fritz [1,2], Pascal Ducommun [3], Urs Hug [3], Tim Pohlemann [2], Maurizio Calcagni [4], Michael D. Menger [1], Wolfgang Metzger [2], Florian S. Frueh [1,4]

[1] Institute for Clinical and Experimental Surgery, Saarland University, Homburg/Saar, Germany; [2] Department of Trauma-, Hand-, and Reconstructive Surgery, Saarland University Hospital, Homburg/Saar, Germany; [3] Department of Hand and Plastic Surgery, Cantonal Hospital Lucerne, Lucerne, Switzerland; [4] Division of Plastic Surgery and Hand Surgery, University Hospital Zürich, Zürich, Switzerland

A-0624 Factors Accounting for Variation in the Biomechanical Properties of Flexor Tendon Repairs
Lasse Linnanmäki [1], Harry Göransson [2], Jouni Havulinna [3], Teemu Karjalainen [4], Olli V. Leppänen [1,2]
[1] University of Tampere, Tampere, Finland; [2] Tampere University Hospital, Tampere, Finland; [3] Pohjola Hospital, Tampere, Finland; [4] Central Finland Central Hospital, Jyväskylä, Finland

A-0678 Delayed primary repairs of the flexor tendons had better outcomes than primary repairs in zone 2: an outcomes analysis in a single unit
Xiang Zhou [1], Jun Qin [1], Xiang Rong Li [1], Jing Chen [2]
[1] People's Hospital of Jiangyin, Jiangsu, China; [2] Jiangsu Medical Research Center, Nantong, Jiangsu, China

A-1045 Effect of knot position in Adelaide flexor tendon repair
Matthias Vanhees, Nicholas Cardillo, Belinda Smith, Elizabeth Clarke, Mark Hile
Department of Hand Surgery and Peripheral Nerve Surgery, Royal North Shore Hospital, Sydney, Australia

A-1103 High volume, low rupture rate and good outcomes: experiences of flexor tendon repair and appraisal of a trainee-delivered service in a university hospital hand surgery unit
Rachael E Baines [1], James D Bedford [1], Vinay N Itte [1], Donald J Dewar [1]
[1] Department of Hand & Plastic Surgery, Leeds Teaching Hospital NHS Trust, UK

A-1094 Development of a xenogenic hand flexor tendon graft
Pierre-Arnaud Aeberhard [1], Anthony Grognuz [1], Cedric Peneveyre [1], Nathalie Hirt-Burri [1], Dominique Pioletti [2], Wassim Raffoul [1], Lee Ann Applegate [1]
[1] Department of Plastic, Reconstructive and Hand Surgery, University Hospital of Lausanne, Switzerland; [2] École Polytechnique Fédérale de Lausanne, Switzerland

A-0852 Efficiency of Hyaluronic Acid in Prevention of Adhesion Formation after Flexor Tendon Tenolysis
Libor Streit [1,2], Tomas Kubek [1,2], Eva Vitovska [2], Igor Stupka [1], Sarka Stiborova [1,2], Zdenek Dvorak [1,2], Pavel Novak [1], Tomas Vyska [1], Jiri Vesely [1,2]
[1] Department of Plastic and Aesthetic Surgery, St. Anne's University Hospital Brno, Czech Republic; [2] Faculty of Medicine, Masaryk University, Brno, Czech Republic

A-0412 TRIGGER Trial
Anita Dijksterhuis [1,2], Matthew Gardiner [3], Jeremy Rodrigues [3], Richard Pinder [4], Jan Debeij [5], Zaf Naqui [6], Henk Coert [2], Abhilash Jain [3], Brigitte van der Heijden [1]
[1] Jeroen Bosch Hospital, 's-Hertogenbosch, the Netherlands; [2] UMC Utrecht, Utrecht, The Netherlands; [3] University of Oxford, Oxford, The Netherlands; [4] Hull & East Yorkshire Hospitals NHS Trust, Hull, UK; [5] Erasmus MC, Rotterdam, The Netherlands; [6] Salford Royal NHS Foundation Trust, Salford, UK

Finger trauma, Young Surgeons

S25 Free paper session

Thursday, 14 June 2018 | 14:00 - 16:00 | Arkaden 8

A-0815 Extended Dynamometry
Hayley Smith, H.J.C.R. Belcher
East Kent Hospitals NHS Trust, Canterbury, Kent, UK

A-0551 Bone Defect at Hand Level Solved By the Induced Membrane (masquelet) Technique
Isabelle Pluvy [1], Gauthier Menu [1], Agathe Alvernhe [1], Damien Feuvrier [1], Marie Panouillères [1], Laurent Obert [1], Vivien Morris [2], A Tchurukdichian [2], Francois Loisel [1]
[1] Orthopedic, Traumatology, and Hand surgery Unit, University hospital CHRU Besancon, France; [2] Research Unit: Nano Medicine, Medical School - University of Bourgogne - Franche Comte, France

A-0018 Surgical Fixation of Metacarpophalangeal Collateral Ligament Rupture of the Fingers
Charlotte Waxweiler, Nicolas Cuylits, Anne Lejeune, Konstantin Drossos, Nader Chahidi
Centre de Chirurgie de la Main, Clinique du Parc Léopold, Brussels, Belgium

A-0722 Use of a photodynamic polymer for intramedullary osteosynthesis of metacarpal fractures – a three year experience
Carsten Surke, Rahel Meier, Luzian Haug, Tom Adler, Esther Vögelin
Department of Plastic and Hand Surgery, Inselspital, University Hospital Bern, University of Bern, Switzerland

A-0782 1 or 2 K-wires in surgical treatment of metacarpal-5-fractures?
Adrian Obladen, Romy Spitzmueller, Jenny Dornberger, Esther Henning, Simon Kim, Andreas Eisenschenk
Unfallkrankenhaus Berlin, Germany

A-0942 Functional outcomes and complications rate of surgical treatment of unstable fractures of the neck of fifth metacarpal with condylar blade plate versus locking anatomical plate
Grigorios Kastanis, Petros Kapsetakis, George Velivasakis, Eirini Trachanatzi, Idomeneas Makrigianakis, Nikolaos Bounakis
General Hospital of Heraklion - Venizeleio, Greece

A-0840 Ulnar sided carpometacarpal articular fractures
Camilo Chaves [1,2], Thierry Dubert [2,3]
[1] Université Paris Sud, Le Kremlin Bicetre, France; [2] Hôpital Privé Paul d'Egine, Champigny sur Marne, France; Clinique Jouvenet, Paris, France

A-0110 Pollicization in adults: what kind of surgery to use?
Igor Shvedovchenko [1,2], Andrej Koltsov [1], Boris Kasparov [1]
[1] Federal State Institution St.Petersburg Scientific and Practical Centre of Medical and Social Expertise, Prosthetics and Rehabilitation named after G.A.Albrecht of the Ministry of Labour and Social Protection of the Russian Federation; [2] Department of Medical Physics, St.Petersburg State Polytechnical University, St Petersburg, Russia

A-0189 Upper extremity injuries related to pediatric and adolescent sports participation
Xuyang Song, Alexandria L. Case, Joshua M. Abzug
University of Maryland School of Medicine, Baltimore, Maryland, USA

A-0655 A five-years prospective outcome study of Pyrocardan® arthroplasty for the traitment of thumb carpometacarpal joint osteoarthritis
Deborah Royaux [1], Phillipe Bellèmere [2], Etienne Gaisne [2], Thierry Loubersac [2], Yves Kerjean [2], Ludovic Ardouin [2]
[1] C.H.U. Pellegrin, Bordeaux, France; [2] Clinique Jeanne d'Arc, Nantes, France

A-0310 Intermediate Term Results Following Arthroplasty of the Basal Joint of the Thumb
Rasmus Wejnold Jørgensen, Anders Odgaard, Claus Hjorth Jensen.
Hand Clinic, Department of Orthopedics, Herlev-Gentofte University Hospital of Copenhagen, Denmark

A-0366 Proximal row carpectomy in the treatment of wrist arthritis: is it still a valid indication? - Evaluation of clinical outcomes
Ana Bispo, Francisco Gonçalves, Filipe Machado, Sofia Carvalho, Gonçalo Lavareda, João Neves
Hospital Ortopédico Sant'Iago do Outão, Centro Hospitalar de Setúbal, Portugal

A-0443 Upper extremity penetrating wounds: prevalence and etiology
Jaime Piccaro Erazo, Rodrigo Guerra Sabongi, Vinicius Ynoe de Moares, João Baptista Gomes dos Santos, Flávio Faloppa, João Carlos Belloti
Federal University of São Paulo, Escola Paulista de Medicina, São Paulo, Brazil

A-0252 A Review of Animal Models in Hand Surgery Simulation
Charles Yuen Yung Loh [1], Aline Yen Ling Wang [1], Vincent Tze Yang Tiong [2], Thanassi Athanassopoulos [3], Meiling Loh [4], Philip Lim [5], Huang-kai Kao [1]
[1] Department of Plastic Surgery, Center for Vascularized Composite Allotransplantation, Chang Gung Memorial Hospital, Taoyuan, Taiwan; [2] Department of Radiology, Tan Tock Seng Hospital, Singapore; [3] Department of Plastic Surgery, Aberdeen Royal Infirmary, Aberdeen, UK; [4] Department of Plastic Surgery, Tan Tock Seng Hospital, Singapore; [5] Department of Plastic Surgery, Hull York Medical School (HYMS), York Teaching Hospital, York, UK

A-0153 Soft Tissue Tumours of the Hand and Wrist
Pamela Chong Qin Yi, Ou Yang Youheng, Chung Sze Ryn, Suraya Zainul Bin Abidin, Muntasir Mannan Choudhury, Chin Yuan Hui Andrew, Tay Shian Chao Vincent, Duncan Angus McGrouther

Singapore General Hospital, Singapore, Singapore

A-0907 Novel use of a vascular flow system to enhance in vitro training in microsurgical vessel repair with biological material.
Hazem Alfeky [1], David Bell [2], Partha Vaiude[2]
[1] Whiston Hospital, Liverpool, UK; [2] Surgical Art Education Institue, UK

A-0088 Review of Errors in Distal Radius Fractures
Maria Angeles De la Red Gallego [1], Manuel Ruben Sanchez Crespo [1], Higinio Ayala Gutierrez [1], Jose Couceiro Otero [1], Olga Velez Garcia[1], Ana Alfonso Fernandez [2], Ciro Santos Ledo [2], Fernando Del Canto Alvarez [1]
[1] Hospital Universitario Marques de Valdecilla, Santander, Spain; [2] Hospital Sierrallana, Santander, Spain

Wrist Trauma - Ligaments

S21 Free paper session

Thursday, 14 June 2018 | 15:00 - 16:10 | Carstensen

A-0283 Arthroscopic Management of Distal radius fractures
Yukio Abe, Kenzo Fujii
Saiseikai Shimonoseki General Hospital, Shimonoseki, Japan

A-0107 Prognostic factors for resumption of work, ADL and hobbies after traumatic hand or wrist injury
N. Neutel [1], P. Houpt [2], A.H. Schuurman [1]
[1] University Medical Centre Utrecht, the Netherlands; [2] Isala Hospital, Zwolle, the Netherlands

A-0408 Characteristics of Radiocarpal Dislocations at a Level 1 Trauma Center: a 9 Year Review
James Paul Hovis, Alexandria L. Case, Raymond A. Pensy, W. A. Eglseder, Ebrahim Paryavi, Joshua M. Abzug
University of Maryland School of Medicine, Baltimore, Maryland, USA

A-0961 Distal Radioulnar Joint Instability and Injury
Greg T Pickering, Grey ED Giddins
Royal United Hospital Bath NHS Foundation Trust, Bath, UK

A-1081 Arthroscopic classification of scapho-lunate and luno-triquetral tear
Jane C. Messina, Nicolas Dreant, Riccardo Luchetti,Tommy Lindau, Christophe Mathoulin
[1]Hand Surgery Unit Gaetano Pini Orthopaedic Institute, Milano, Italy, [2] Nice Hospital, France*, [3] Hand Surgery Unit, Rimini,Italy, [4]Derby Hospital, UK, [5] Institut de la Main, Paris, France.

A-1068 Scapholunate ligament reconstruction. One year follow-up using the SLAM procedure in 22 patients.
Lars Soelberg Vadstrup
Gentofte Hospital, Copenhagen, Denmark

A-0599 Clincal results of a SL-reconstruction through a dorsal approach creating a 3 ligament tenodesis with ECRB; 5-years follow-up
Simon Oeckenpöhler, Britta Wieskötter, Thorben Royeck, Martin Franz Langer
University Hospital Münster, Department of Trauma-, Hand- and Reconstructive Surgery, Germany

A-1087 Scapholunate realignment using local tendon grafts.Qualitative vector analysis of the of two potential donors (FCR and ECRL).
Mireia Esplugas [1], Marc Garcia-Elias [2], Alex Lluch-Bergada [2,3], Nuria Fernandez-Noguera [4], Inma Puig de la Bellacasa [5].
[1] Hospital Activamutua, Tarragona, Spain; [2] Institut Kaplan, Barcelona, Spain; [3] Hospital Vall d´Hebró, Barcelona, Spain; [4] Hospital Josep Trueta , Girona, Spain; [5] Hospital Universitari Mutua Terrassa, Barcelona, Spain.

A-0570 Arthroscopic Diagnosis and Treatment of injured Collateral Ligaments in the Thumb Metacarpophalangeal Joint
Masaya Tsujii [1], Yoshinori Makino [2], Takahiro Asano [1], Kazuya Odake [1], Akihiro Sudo [1]
[1] Mie University, Tsu, Japan; [2] Nagai Hospital, Tsu, Japan

Musicians

S23 Free paper session

Thursday, 14 June 2018 | 15:40 - 16:00 | Lumbye

A-0937 Pain and Hand Functioning Differences During Music Education in Bachelor Guitar Students

Burcu Semin Akel [1], Ege Temizkan [1], Elif Cimilli [1], Onur Seyrek [2], Onur Urganoğlu [3]
[1] Hacettepe University, Faculty of Health Sciences, Department of Occupational Therapy, Ankara, Turkey; [2] Hacettepe University, Faculty of Health Sciences, Department of Physical Therapy and Rehabilitation; [3] Hacettepe University, Ankara State Conservatory, Main Art Branch of Piano, Art Branch of Guitar

A-0887 Movement Imagery Skills and Its Relation with Hand Functioning in Guitar Students
Elif Cimilli, Ege Temizkan, Özge Buket Çesim, Çiğdem Öksüz, Burcu Semin Akel
Hacettepe University, Faculty of Health Sciences, Department of Occupational Therapy, Ankara, Turkey

General Assembly
S26

Thursday, 14 June 2018 | 16:30 - 18:30 | Main Hall

Friday, 15 June 2018

Instructional Course 3

S27 Instructional Course session
Fractures of the Hand and Carpus
Friday, 15 June 2018 | 08:00 - 10:00 | Main Hall

Moderator: Martin Richter (Bonn, Germany)

A-1220 Scaphoid fractures
Joseph J Dias
UK

A-1221 Scaphoid nonunions
Scott W Wolfe
New York, USA

A-1222 Other carpal fractures
Martin Richter
Germany

A-1223 Arthroscopy
Peter Jörgsholm
Sweden

A-1224 Metacarpal base 2-5
Michael Schädel-Höpfner

A-1225 Metacarpal base 1
Philippe Liverneaux
France

Ulnar Sided Wrist Pain

S28 Symposium
Friday, 15 June 2018 | 08:00 - 09:20 | Carstensen

Moderator: David Shewring (UK)

A-1153 Introduction
David Shewring
Cardiff, UK

A-1154 Anatomy of the Distal Radioulnar Joint and Ulnocarpal Complex
Elisabet Hagert
Stockholm, Sweden

A-1155 The Common Culprits
Alex Lluch
Barcelona, Spain

A-1156 Assessment and Investigation
Carlos Heras-Pelou
Derby, UK

A-1157 Ulnar wrist pain: What can be undiagnosed
Eduardo Zancolli
Buenos Aires, Argentina

Palsy and Spasticity

S30 Free paper session

Friday, 15 June 2018 | 08:00 - 09:00 | Lumbye

A-0326 Single palmar approach for proximal row carpectomy and total wrist fusion in the spastic hand
Christoph Erling, Michael Hiller, Thomas Giesen, Olga Politikou, Maurizio Calcagni
University Hospital Zurich, Switzerland

A-0515 Fractional lenghtening of the volar forearm muscles: anatomical study
Ahlam Arnaout, Caroline Leclercq
Institut de la Main, Paris, France

A-0399 Elbow Flexors Spasticity: Combined Muscle Lengthening and Hyperselective Neurectomy
Paolo Panciera [1], Daniele Gianolla [2], Caroline Leclercq [3]
[1] Ospedale Villa Salus, Venezia-Mestre, Italy; [2] Ospedale San Giacomo, Castelfranco Veneto (Treviso), Italy; [3] Institut De La Main, Paris, France

A-0338 Nerve transfer of motor branches from the Supinator muscle to the Posterior Interosseus Nerve in tetraplegia– a one-year follow up of 17 operated forearms.
Joakim Strömberg [1], Johanna Wangdell [1], Carina Reinholdt [1], Jan Fridén [1,2]
[1] Centre for Advanced Reconstruction of Extremities (C.A.R.E.), Sahlgrenska University Hospital, Mölndal, Sweden; [2] Swiss Paraplegic Centre (SPZ), Nottwil, Switzerland

A-0478 Types of thumb opposition loss and approach to surgical tactics demarcate
S Strafun, M Oberemok, A Lysak, S Tymoshenko
State Institution "Institute of Traumatology and Orthopedics of NAMS of Ukraine", Kyiv, Ukraine

A-0001 Iatrogenic elbow flexion contractures in children with amyoplasia
Olga Agranovich, Alexey Baindurashvili
The Turner Scientific and Research Institute for Children's Orthopaedics St.-Petersburg, Russia

A-0842 A Novel Stem Cell Therapy of Dystrophin Expressing Chimeric Cells of Myoblast and Mesenchymal Stem Cell Origin for Enhancement of Muscle Regeneration and Function.
Maria Siemionow, Joanna Cwykiel, Ahlke Heydemann, Jesus Garcia-Martinez, Erzsebet Szilagyi
University of Illinois at Chicago, Chicago, USA

A-0802 Tendon transfers and brain plasticity. Results after BR to FPL tendon transfers.
Leiv M. Hove, Knut Wester, Roger Brandon, Alexander Richard Craig-Craven, Kenneth Hugdahl
Haukeland University Hospital and University of Bergen, Norway

Infection and Complications

S32 Free paper session

Friday, 15 June 2018 | 08:00 - 09:00 | Pjerrot

A-0045 Can open injuries in the hand wait? Our experience with treating open hand injuries as elective day surgery.
Sim Wei Ping, Liang Zhiren Benjamin, Vaikunthan Rajaratnam
Khoo Teck Puat Hospital, Singapore

A-0388 Implant-Related Joint infections of the Hand
Rahel Meier [1], Esther Voegelin [1], Parham Sendi [2]
Departments of [1] Plastic and Handsurgery and [2] Institute of Infectious Diseases, Bern University Hospital and University of Bern, Switzerland

A-0950 Causative organisms and management in paediatric paronychia: a 4-year retrospective review at a single centre in the UK and a national survey assessing variation in clinical practice
Andrew Roy McKean, Georgina Williams, Akinyemi Idowu, Catherine Milroy
St George's Hospital, London, UK

A-0507 Opinions regarding the management of Pyogenic Flexor Tenosynovitis (tendon sheath infection)
LE Bolton, L C Bainbridge
Pulvertaft Hand Centre, Royal Derby Hospital, Derby, UK

A-0131 Cat and Dog Bites are Different and Require Different Principles of Surgical Management
Abby Choke, Duncan Angus McGrouther
Department of Hand Surgery, Singapore General Hospital

A-0173 Fingertip reconstruction with an innervated digital artery perforator flap
Yoshitaka Tanaka, Hiroyuki Gotani, Kosuke Sasaki, Hirohisa Yagi

Osaka Ekisaikai Hospital, Osaka, Japan

A-0377 Donor site morbidity of vascularized bone grafts from the medial femoral condyle
Victoria F. Struckmann [1], Giuseppe Rusignuolo [1], Ursula Trinler [2], Ulrich Kneser [2], Thomas Kremer [3], Berthold Bickert [1]
[1] Department of Hand-, Plastic and Reconstructive Surgery, BG Trauma Center Ludwigshafen, Germany; [2] Laboratory for Clinical Movement Analysis - BG Trauma Center Ludwigshafen, Germany; [3] Department of Plastic Surgery and Hand Surgery, Clinic St. Georg, Leipzig, Germany

A-1050 Perioperative Risk Factors for Complications of Free Flaps in Traumatic Wounds
Raquel Bernardelli Iamaguchi,Renan Lyuji Takemura, Gustavo Bersani Silva, Jairo Andre de Oliveira Alves, Luciano Ruiz Torres, Alvaro Baik Cho, Teng Hsiang Wei, Marcelo Rosa de Rezende, Rames Mattar jr
University of Sao Paulo, Brazil

Dupuytren

S34 Free paper session

Friday, 15 June 2018 | 08:00 - 10:00 | Arkaden 8

A-0820 Are the Superficial Transverse Palmar Ligament and the Septa of Legueu and Juvara involved in the Dupuytren´s disease? Histological and immune-histochemical study.
Isabella Fassola, Benedict Kunz, Kay Krüger, Wolfgang Ertel, Senat Krasnici
Department of Orthopedic, Trauma and Reconstructive Surgery, Charité-Universitätsmedizin Berlin, Campus Benjamin Franklin, Berlin, Germany

A-0359 Ultrasonography of the pretendineous cord in Dupuytren's disease- a pilot study to correlate morphological patterns before treatment to clinical outcome after two years.
Joakim Strömberg [1,2], Petr Vanek [3], Jan Fridén [1,2,4], Ylva Aurell [3]
[1] Centre for Advanced Reconstruction of Extremities, Sahlgrenska University Hospital, Mölndal, Sweden; [2] Department of Hand Surgery, Sahlgrenska University Hospital, Gothenburg, Sweden; [3] Department of Radiology, Sahlgrenska University Hospital, Mölndal, Sweden; [4] Swiss Paraplegic Centre (SPZ), Nottwil, Switzerland

A-0787 Patients' treatment experience influence post-operative results in Dupuytren's disease
Ralph Poelstra [1,2,3], Ruud W. Selles [1,3], Harm P. Slijper [2], Mark J.W. van der Oest [1,2,3], Reinier Feitz [2], Steven E.R. Hovius [1,2], Jarry T. Porsius [1,2,3]
[1] Department of Plastic, Reconstructive and Hand Surgery, Erasmus MC, Rotterdam, The Netherlands; [2] Hand and Wrist Center, Xpert Clinic, The Netherlands; [3] Department of Rehabilitation Medicine, Erasmus MC, Rotterdam, The Netherlands

A-0023 Addition of liposome bupivacaine to bupivacaine 0.5% in wrist nerve blocks improves analgesia compared to bupivacaine 0.5% alone for Dupuytren's contracture release
Catherine Vandepitte, Joris Duerinckx, Ine Leunen, Sam Van Boxstael, Hassanin Jalil, Sofie Louage, Ingrid Meex, Sigrid Christiaens, Gülhan Özyürek, Marijke Cipers, Max Kuroda
Ziekenhuis Oost-Limburg, Genk, Belgium

A-1111 Long term results with partial fasciectomy in Dupuytren's desease.
Stefano Galli, Guido Zarattini
Orthopaedic Clinic - University of Brescia, Brescia, Italy

A-0034 3-Dimensional Fasciectomy. A new technique for Fasciectomy – a study of 585 patients
Ben Miranda, Charlotte Elliott, Chris Kearsey, David Haughton, Mark Webb, Ian Harvey, Fahmy Fahmy
Countess of Chester Hospital NHS Foundation Trust, Chester, UK

A-0167 Wide-awake minimal selective fasciectomy for Dupuytren's Contracture
Jikang Park, Sangwoo Kang, Jungkwon Cha
Chungbuk National University Hospital, Cheongju, South Korea

A-1078 Predicting complete finger extension after surgery for patients with Dupuytren's disease
Ralph Poelstra [1,2,3], Jarry T. Porsius [1,2,3], Christianne A. van Nieuwenhoven [1], Harm P. Slijper[2], Reinier Feitz[2], Steven E.R. Hovius[1,2], Ruud W. Selles [1,3]
[1] Department of Plastic, Reconstructive and Hand Surgery, Erasmus MC, Rotterdam, The Netherlands [2] Hand and Wrist Center, Xpert Clinic, The Netherlands [3] Department of Rehabilitation Medicine, Erasmus MC, Rotterdam, The Netherlands

A-0072 Digital shortening with auricular second phalanx resection into the dupuytren's digital hooks
Guy Raimbeau, Nicolas Bigorre, Walid Balti, Fabrice Rabarin, Jérome Jeudy, Pierre Alain Fouque, Alexandre Petit, Bruno Cesari, Yan Saint Cast
Centre de la Main, Trélazé, France

A-0572 McCash and Jacobsen - open palm technique - vs reverse hypothenar flap for the treatment of advanced Dupuytren's disease
Teodor Stamate, Camelia Tamaș, Radu Budurca, Ionut Topa, Ionut Atanasoae
University of Medicine and Pharmacy "Gr.T. Popa" Iasi, Department of Plastic and Reconstructive Surgery, Iasi, Romania

A-0041 Treatment of Dupuytren disease with a whole vial of Clostridium Histioliticum Collagenase, dissolved in 0.6ml of solvent
Yannick Goubau [1,2], Bart Berghs [1], Bert Vanmierlo [1], Francis Bonte [1], Chul Ki Goorens [3], Jean Goubau [1,3]
[1] AZ Sint-Jan Brugge, Belgium; [2] ASZ Aalst, Belgium; [3] UZ Brussel, Belgium

A-0657 Clinical outcome of collagenase clostridium histolyticum in Dupuytren's disease independent of fibrosis diathesis score?
Katrien Cootjans, Ilse Degreef, Anton Borgers, Luc De Smet, Maarten Van Nuffel
University Hospital Leuven, Belgium

A-0505 Are there unfavorable results after collegians treatment?
Esther Voegelin
University Hospital, Inselspital, Bern, Switzerland

A-0720 Lower recurrence rate of Dupuytrens contracture in metacarpophalangeal (MCP) joints following collagenase clostridium histolyticum treatment compared with percutaneous needle fasciotomy in a randomized controlled study. Preliminary results.
Stig Jørring, Claus Hjorth Jensen
Hand Clinic, Department of Orthopedics, Herlev-Gentofte University Hospital of Copenhagen, Denmark

A-0733 Dupuytren disease seven-day manipulation following Collagenase: safety, efficacy and outcomes
David J Hunter-Smith, Bethany Reynolds, Vicky Tobin, Michael P Chae, Warren M Rozen
Department of Plastic and Reconstructive Surgery, Frankston Hospital, Peninsula Health, Frankston Victoria, Australia; Monash University Plastic and Reconstructive Surgery Group (Peninsula Clinical School), Peninsula Health, Frankston, Victoria, Australia

A-0126 Should collagenase clostridium histiolyticum be used in all joints in the treatment of Dupuytrens disease?
Charlotte Hartig-Andreasen [1,2], Lena Schroll [1], Jeppe Lange [1]
[1] Department of orthopedic surgery, Regional Hospital Horsens, Denmark; [2] Hand Surgery Unit, Department of Orthopaedic Surgery, Aarhus University Hospital

Spasticity: Non-Surgical and Surgical Treatments

S31 Symposium
Friday, 15 June 2018 | 09:00 - 10:00 | Lumbye

Moderator: Jan Fridén (Sweden)

A-1158 Structure and Function of the Spastic Muscle - Implications of Botulinum Toxin Treatment
Richard L. Lieber
Chicago, USA

A-1159 Use of Botulinum Toxin in Decision-Making and Applications to Selective Neurectomy
Caroline LeClercq
Paris, France

A-1160 Surgical Treatment Algorithms in Spasticity
Jan Fridén
Nottwil, Switzerland

Infections of the Hand and Wrist

S33 Symposium
Friday, 15 June 2018 | 09:00 - 10:00 | Pjerrot

Moderator: Konstantinos N. Malizos (Greece)

A-1161 Introduction
Konstantinos N. Malizos
Larissa, Greece

A-1162 Infections in the Hand Compartments
Konstantinos N. Malizos
Larissa, Greece

A-1163 Purulent Flexor tenosynovitis of the Hand
Olli V. Leppänen
Tampere University Hospital, Tampere, Finland

A-1164 Masquelet Technique applications in Osteomyelitis of the Hand and Wrist
Laurent Obert
Regional & University Hospital Center of Besançon, France

Lectures 5

S29
Marko Bumbasirevic
Brian Adams

Friday, 15 June 2018 | 09:20 - 10:00 | Carstensen

A-1131 The Bionic Hand
Marko Bumbasirevic
Serbia

A-1132 Optimizing the Surgical Technique for difficult Wrist Arthroplasty Cases
Brian Adams
USA

Instructional Course 4

S35 Instructional Course session
Fractures of the Hand and Carpus
Friday, 15 June 2018 | 10:30 - 12:30 | Main Hall

Moderator: Martin Richter (Bonn, Germany)

A-1226 Metacarpal diaphysis
Pierluigi Tos
Italy

A-1227 Metacarpal subcapital
Hebe Kvernmo
Norway

A-1228 Malunion
Hermann Krimmer
Germany

A-1229 Base phalanx 1
Lars Vadstrup
Denmark

A-1230 Phalanx extraarticular
David Shewring
UK

A-1231 Phalanx intraarticular
David Shewring
UK

A-1232 Avulsions
Michael Solomons

Biomechanics of Successful Wrist Arthrosplasty

S36 Symposium
(endorsed by HWBI - Hand and Wrist Biomechanics International)
Friday, 15 June 2018 | 10:30 - 12:30 | Carstensen

Moderators: Greg Bain (Australia), Fred Werner (USA)

A-1165 Limited wrist fusions - principles and option to maintain motion
Greg Bain
Adelaide, Australia

A-1166 Forces applied to Wrist Implants
Frédéric Schuind
Brussels, Belgium

A-1167 Biomechanical Design Objectives for a Successful Wrist Implant
Fred Werner
Syracuse, NY, USA

A-1168 Restoring functional circumduction of the wrist after total arthroplasty
William Seitz
Cleveland, USA

A-1169 Biomechanics and Clinical Results of MidCarpal Hemi-Arthroplasty
Scott W Wolfe
New York, USA

PIP Problems after Trauma and Surgery

S37 Symposium
Friday, 15 June 2018 | 10:30 - 11:30 | Lumbye
Moderator: Donald Lalonde (Canada)

A-1170 PIP problems after trauma and surgery, pearls and tricks for success
Randy Bindra
Australia

A-1171 PIP problems after trauma and surgery, pearls and tricks for success
Mike Hayton
UK

A-1172 PIP problems after trauma and surgery, pearls and tricks for success
Gwendolyn van Strien
The Netherlands

A-1173 PIP problems after trauma and surgery, pearls and tricks for success
Donald Lalonde
Canada

Oral presentation of 10 best posters

S39 Free paper session
Friday, 15 June 2018 | 10:30 - 11:30 | Pjerrot

Measurements

S41 Free paper session
Friday, 15 June 2018 | 10:30 - 12:15 | Arkaden 8

A-0610 The Reading Level of Surgical Consent Forms in Hand Surgery
Kevin Mertz, Sara Eppler, Robin Kamal
Stanford University School of Medicine, Palo Alto, USA

A-0617 Can Patients Predict Their Postoperative Disability After Elective Hand Surgery?
Aaron Alokozai [1], Sara Eppler [1], Laura Lu [1], Nicole Sheikholeslami [1], Sarah Lindsay [1], Sanj Kakar [2], Robin Kamal [1]
[1] Stanford University School of Medicine, Palo Alto, USA; [2] Mayo Clinic, Rochester, USA

A-1107 Differences in illness perception in hand surgery patients
M.J.W. van der Oest[1,2,3], H.W. Slijper[2], R. Feitz[2], S.E. Hovius[1,2], J.T. Porsius[1,2,3], R.W. Selles[1,2]
[1] Department of Plastic, Reconstructive and Hand Surgery, Erasmus MC, Rotterdam, The Netherlands; [2] Department of Rehabilitation Medicine, Erasmus MC, Rotterdam, The Netherlands. [3] Hand and Wrist Center, Xpert Clinic, the Netherlands.

A-0623 The Patient Perspective on Shared Decision Making: Should All Decisions Be Shared?
Aaron Alokozai, Sarah Lindsay, Sara Eppler, Paige Fox, Catherine Curtin, Michael Gardner, Raffi Avidian, Ariel Palanca, Geoffrey Abrams, Ivan Cheng, Robin Kamal
Stanford University School of Medicine, Palo Alto, USA

A-0108 Correlation of Subject Self-Measured Wrist Range of Motion with Direct Provider Measurement
Kevin J. Renfree, Kelly Scott, Cece Skotak, Hamy Temkit
Mayo Clinic, Phoenix, AZ, USA

A-1003 Can subjective patient reported outcome predict objective timed Sollerman Hand Function Test?
Amin Kheiran, Harvinder P. Singh, Joseph J. Dias, Grey Giddins
University Hospitals of Leicester, UK

A-0202 The EuroQol EQ-5D to measure quality of life in patients with hand and upper extremity conditions: A systematic literature review about its application and measurement properties.
Miriam Marks, Cécile Grobet, Laurent Audigé
Schulthess Klinik, Zurich, Switzerland

A-0109 Correlation between patient rated outcome questionnaire and single assessment numerical evaluation score in the fracture of distal radius
Chang-Hun Lee [1], Wan-Sun Choi [2], Sung-Jae Kim [3], Joo-Hak Kim [4], Kwang-Hyun Lee [5]
[1] Eulji Medical Center, Eulji University College of Medicine, Seoul, Korea; [2] Ajou University College of Medicine, Suwon, Korea; [3] Hallym University College of Medicine, Hwasung, Korea; [4] Seonam University College of Medicine, Goyang, Korea; [5] Hanyang University College of Medicine, Seoul, Korea

A-0705 Validity of the Patient-Rated Wrist Evaluation Questionnaire in Rheumatoid Hand
Zeynep Tuna [1], Oguzhan Mete [2], Gizem Tore [1], Songul Baglan Yentur [1], Deran Oskay [1], Abdurrahman Tufan [3]
[1] Gazi University Faculty of Health Sciences Department of Physiotherapy and Rehabilitation, Ankara, Turkey; [2] Yildirim Beyazit University Faculty of Health Sciences Department of Physiotherapy and Rehabilitation, Ankara, Turkey; [3] Gazi University Faculty of Medicine Department of Internal Medicine Division of Rheumatology, Ankara, Turkey

A-0405 Item reduction of the Boston Carpal Tunnel Questionnaire using decision tree modelling
M.C. Jansen [1,3], M.J.W. van der Oest [1,3], H.P. Slijper [1,2], J.T. Porsius [1,2,3], R.W. Selles [1,3]
[1] Department of Plastic, Reconstructive and Hand Surgery, Erasmus MC, Rotterdam, The Netherlands; [2] Xpert Clinic, Rotterdam, the Netherland; [3] Department of Rehabilitation Medicine, Erasmus MC, Rotterdam, The Netherlands

A-0783 Patient Reported Outcome Measures for Toe-to-Hand Transfer: a Prospective Longitudinal Study
Cheng-Hung Lin, Tzong-Yun Tsai, C Anton Fries, Jo-Chun Hsiao, Chung-Chen Hsu, Yu-Te Lin, Shih-Heng Chen, Chih-Hung Lin, Fu-Chan Wei
Department of Plastic and Reconstructive Surgery, Chang Gung Memorial Hospital, Chang Gung Medical College and Chang Gung University, Taipei, Taiwan

A-0240 Development of a new measurement method for kinematic analysis of the hand
Gabriella Fischer, Lisa Reissner, Diana Jermann, Pietro Giovanoli, Maurizio Calcagni
Division of Hand and Plastic Surgery, University Hospital Zurich, Switzerland

A-0502 Validity and reliability of a hand-held dynamometer for measuring forearm rotation strength compared to the Biodex
Anouk van Ham, Sander Brink, Gertjan Kroon, Elske Bonhof, Raoul Winter
Isala Hand and Wrist Centre, Zwolle, the Netherlands

A-0444 Distal radio ulnar joint assessment: reliability and validity of forearm torque
Peter Axelsson [1], Johan Kärrholm [2]
[1] Department of Hand Surgery; [2] Department of Orthopaedics, Institute of Clinical Sciences, Sahlgrenska Academy, Gothenburg University, Sweden

A-0239 Wrist and Finger motion: A comparison of goniometric and 3D motion capture technique
Lisa Reissner, Gabriella Fischer, Pietro Giovanoli, Maurizio Calcagni
Division of Hand and Plastic Surgery, University Hospital Zurich, Switzerland

A-0941 Review of the relevance of the Soong classification with 200 implant removals after palmar plate fixation of distal radius fractures
Yekta Gören, Annika Arsalan-Werner, Julia Sebald, Dennis Wincheringer, Reinhard Hoffmann, Michael Sauerbier

BG Unfallklinik Frankfurt am Main, Germany

Contractures and Finger Trauma

S38 Free paper session

Friday, 15 June 2018 | 11:30 - 12:40 | Lumbye

A-0756 Post-traumatic interosseous-lumbrical adhesions, diagnosing may be difficult but surgery is easy.
Daniel Muder [1,2], Torbjörn Vedung [1,2]
[1] Department of Surgical Sciences, Uppsala University, Uppsala, Sweden; [2] Department of Orthopedic and Hand Surgery, Uppsala University Hospital, Uppsala, Sweden

A-0799 The Use of Local Vascularized Adipofascial Flaps for Joint Capsule Reconstruction after Contracture Release
Che-Hsiung Lee, Charles Y. Y. Loh, Yu-Te Lin
Department of Plastic and Reconstructive Surgery, Chang Gung Memorial Hospital, Chang Gung University, College of Medicine, Taoyuan and Keelung, Taiwan

A-0262 Partial excision of volar plate and dorsal capsulotomy in patients with post-traumatic ankylosis of finger joint in the hand
Yo Han Lee, Jihyeung Kim, Young Ho Lee, Hyun Sik Gong, Kee Jeong Bae, Goo Hyun Baek
Seoul National University, Seoul, South Korea

A-0115 The Outcomes of Extension Block Pinning and Nonsurgical Management for Mallet Fracture
Shin Woo Choi [1], Jae Kwang Kim [1], Young Ho Shin [1], Joo-Yul Bae [2]
[1] Asan Medical Center, Seoul, South Korea; [2] Gangneung Asan Hospital, Gangneung-si, South Korea

A-0765 The use of titanium miniature plates and screws for the treatment of intra and extra-articular fractures of the hand
Sokratis Varitimidis, Zoe Dailiana, Ioannis Antoniou, Dimitris Agorastakis, Stratis Athanaselis, Konstantinos Malizos
Department of Orthopaedic Surgery, University of Thessalia, Larissa, Greece

A-0137 Comparative Mechanical Properties of Conventional and Locking Kirschner wire fixation: An Experimental Study in Chicken Humerus
Veeranon Chunyawongsak, Suriya Luenam, Arkaphat Kosiyatrakul
Department of Orthopaedic Surgery, Phramongkutklao Hospital and College of Medicine, Bangkok, Thailand

A-0560 Periphalangeal steel wire loop pullout technique in proximal interphalangeal joint(PIPJ) fracture dislocation
Ho-Jung Kang [1], Won-taek Oh [2], Sang-yun Lee [1], Jung Jun Hong [1], Il-hyun Koh [3], Kam Jinhwa [1]
[1] Gangnam Severance Hospital, Seoul, South Korea; [2] Severance Hospital, Seoul, South Korea; [3] Yong-in Severance Hospital, Yong-in, South Korea

A-0019 Mallet fracture - DIPJ volar subluxation is not predicted by fragment size but direction of force and anatomy of DIPJ
Samuel Isaacs [1], Michael Solomons [2], Nick Riley [3]
[1] Dept. of Plastic and Reconstructive surgery, Oxford University Hospital NHS Foundation Trust West wing John Radcliffe, Headley Way, Oxford, UK; [2] Martin Singer Hand Unit, Department of Orthopaedic Surgery Groote schuur Hospital Cape Town, South Africa; [3] Dept. of Hand surgery, Nuffield Orthopaedic centre, Oxford University Hospital NHS Foundation Trust, Oxford, UK

A-0258 Comparison of clinical results between low-profile plating and external fixation for fracture-dislocations of the proximal interphalangeal joint
Atsuhiko Murayama [1], Kentaro Watanabe [1], Hideyuki Ota [1], Yuki Fujihara [1]
[1] Department of Orthopaedic Surgery Rheumatology, Nagoya Ekisaikai Hospital, Nagoya, Japan.

Nerve Compression and Nerve Trauma

S40 Free paper session

Friday, 15 June 2018 | 11:30 - 12:30 | Pjerrot

A-0403 Predicting clinical outcome after surgical treatment in patients with carpal tunnel syndrome
M.C. Jansen [1,3], S. Evers [1,3], H.P. Slijper [1,2], K.P. de Haas [2], X. Smit [1,2], S.E. Hovius [1,2], R.W. Selles [1,3]
[1] Department of Plastic, Reconstructive and Hand Surgery, Erasmus Medical Center, Rotterdam, the Netherlands; [2] Xpert Clinic, Rotterdam, the Netherlands; [3] Department of Rehabilitation Medicine, Erasmus Medical Center, Rotterdam, the Netherlands

A-0302 Clinical Improvement in Patients Older Than 80 Years After Carpal Tunnel Release
Antonio Dudley Porras, Julian Del Rio Hortelano, Andres Leon Gutierrez, Juan Francisco Jimenez Sanchez, Jens Cardenas Salas

Hospital Universitario de la Princesa, Madrid, Spain

A-0277 Intra-individual Comparison of Surgical Results Between Open and Paine Retinaculotome Release in Patients with Bilateral Carpal Tunnel Syndrome
Carlos Henrique Fernandes, Lia Miyamoto Meirelles, Marcela Fernandes, Luis Renato Nakachima João Baptista Gomes dos Santos, Flavio Fallopa
Hospital São Paulo/ Universidade federal de São Paulo/ Hand Surgery Unit, Brazil

A-0779 A Genome-wide Association Study of Carpal Tunnel Syndrome
Akira Wiberg [1,3], Michael Ng [1], Annina Schmid [2], Georgios Baskozos [2], David Bennett [2], Dominic Furniss [1,3]
[1] Nuffield Department of Orthopaedics, Rheumatology, and Musculoskeletal Science, University of Oxford, Oxford, UK; [2] Nuffield Department of Clinical Neurosciences, University of Oxford, Oxford, UK; [3] Department of Plastic and Reconstructive Surgery, Oxford University Hospitals NHS Foundation Trust, Oxford, UK

A-0160 The association of scapular kinematics and carpal tunnel syndrome
Nicolas Bigorre, Alexandre Petit, Jérome Jeudy, Yann Saint Cast, Fabrice Rabarin, Bruno Cesari, Frederic Degez
Centre de la Main, Trelaze, France

A-0447 Iatrogenic nerve injuries of the upper extremity in childhood
Ulrike Schnick, Richarda Boettcher
Unit for reconstructive Surgery in Brachial Plexus Injuries, Tetraplegia and Cerebral Disorders, Unfallkrankenhaus Berlin, Germany

A-0490 A prospective clinical trial on Neurolac nerve conduits for nerve repair in hand trauma
Nefer Fallico [1,2], Anna Maria Spagnoli [1], Nicolò Scuderi [1]
[1] Sapienza University of Rome, Department of Plastic and Reconstructive Surgery, Rome, Italy; [2] Guy's and St. Thomas' Hospital, Department of Plastic Surgery, London, UK

A-0450 The effect of adipose derived Mesenchymal Stem Cells on neoangiogenesis in processed nerve allografts
Femke Mathot [1,2], Nadia Rbia [1], S.E.R. Hovius [1], A.T. Bishop [2], A.Y. Shin [2]
[1] Erasmus Medical Center, Rotterdam, The Netherlands; [2] Mayo Clinic, Rochester, Minnesota, USA

A-0785 Distal sensory to distal motor nerve anastomosis can protect lower extremity muscle atrophy in a murine model.
Mohammad Ali Hosseinian, Ali Ghribian
Beheshty University, Emmam Hossein Hospital,Tehran, Iran

Has any Implant proven better than Silicone Spacers?

S42 Symposium
Friday, 15 June 2018 | 14:00 - 15:20 | Main Hall

Moderator: Torben Bæk Hansen (Denmark)

A-1174 Introduction
Torben Bæk Hansen
Holstebro, Denmark

A-1175 Silicone MCP and PIP joint arthroplasty – still the gold standard?
Kevin C. Chung
Michigan, USA

A-1176 Pyrocarbon MCP and PIP joint arthroplasty – what are the benefits
Sumedh Talwalker
Wrightington, UK

A-1177 Modular PIP joint implants – why?
Philippe Bellemère
Nantes, France

A-1178 Cemented vs cementless fixation of PIP and MCP implants
Maiken Stilling
Aarhus, Denmark

A-1179 Wide awake surgery in PIP and MCP total joint arthroplasty
Mike Hayton
Wrightington, UK

A-1180 Evaluation and follow up of implants – the need for a standard
Torben Bæk Hansen
Holstebro, Denmark

Hand Surgery at the Frontier. Session of Young hand surgeons - 1

S44 Free paper session

Friday, 15 June 2018 | 14:00 - 16:00 | Carstensen

Moderators: Luzian Haug (Bern, Switzerland), Janni Thillemann (Aarhus, Denmark)

A-1233 What do we expect from FESSH
Luzian Haug
Bern, Switzerland

A-1240 How to get your paper published
Grey Giddins
Bath, UK

A-0237 Neuropathic pain after repair of brachial plexus injury : a 30-year follow-up of the Narakas' series
Swenn Maxence Krähenbühl, Chantal Bonnard, Laurent Wehrli
Lausanne University Hospital, Lausanne, Switzerland

A-0482 Pisiform Excision; a solution for a long-term ulnar sided wrist pain. A retrospective analysis, comparing pre- and postoperative measurements
M.V. van Burink, S. Al Shaer, J. van Rossen, A. Fink, H. Slijper, T. M. Moojen, H. Rakhorst, G. van Couwelaar, R. Feitz, O.T. Zöphel
Xpert Clinic, The Netherlands

A-1075 Extensor tendons adhesions: the role of different anti-adherent agents. Preliminary evidences from an Italian multicentric study.
Alfio L Costa [1], Franco Bassetto [2], Francesco Monticelli [2], Mario Cherubino [3], Luigi Valdatta [3], Bruno Battiston [4], Alessandro Crosio [4], Davide Ciclamini [4], Ferdinando Stagno d\'Alcontres [1], Francesco Zanchetta [1], Valerio Licciardello [1], Mara Franza [1], Giorgio Lo Giudice [1], Pietro Micieli [1], Antonina Fazio [1], Mariarosaria Galeano [1], Gabriele Delia [1], Michele R Colonna [1]
[1] University of Messina, Department of Human Pathology of the Adult, the Child and the Adolescent, Messina, Italy; [2] Padua University Hospital, Clinic of Plastic Surgery, Padua, Italy; [3] Division of Plastic and Reconstructive Surgery, Department of Biotechnology and Life Sciences (DBSV), University of Insubria, Varese, Italy; [4] Azienda Ospedaliero Universitaria Citta della Salute e della Scienza di Torino, Depatment of Traumatology, Turin, Italy

A-0328 Prevalence of the Linburg–Comstock Anomaly in Women with Carpal Tunnel Syndrome
Saulo Rodrigues Moreira, Carlos Henrique Fernandes, Lia Myamoto Meirelles, Luis Renato Nakachima, João Baptista Gomes dos Santos, Flavio Fallopa
Hospital São Paulo/Universidade Federal de São Paulo/ Department of Orthopedic Surgery/ Hand Surgery Unit, Brazil

A-0471 Reconstructive Surgery for the Type V and VI of Duplicated Thumbs
Soojin Woo [1], Byungjun Kim [1], Hyeonwoo Kim [1], Sung Tack Kwon [1], Sang-Hyun Woo [2]
[1] Seoul National University Hospital, Seoul, South Korea; [2] W Hospital, Daegu, South Korea

A-0746 Clinical application of 3D printing technology for preoperative planning of thumb reconstruction using donor toe
Xu Lin [1], Tan Haitao [1], Wei Pingou [1], Luo Xiang [1], Chaitanya S. Mudgal [2]
[1] Department of Hand and Foot Microsurgery, Guigang City People's Hospital, Guigang, Guangxi, China; [2] Department of Orthopaedic Surgery, Orthopaedic Hand and Upper Extremity Service, Massachusetts General Hospital, Boston, Massachusetts, USA

A-0275 Clinical and biological results of autologous fat transplantation for treatment of carpometacarpal-1 osteoarthritis: Differences between the anti-inflammatory effects of fat and ADSPCs on osteoarthritic chondrocytes.
Elisabeth M Haas [1,2], Sara Taha [1], Paolo Alberton [1], Attila Aszodi [1], Riccardo E Giunta [2], Elias Volkmer [1,2], Maximilian M Saller [1]
[1] Experimental Surgery and Regenerative Medicine (ExperiMed), Department of General, Trauma and Reconstructive Surgery, Ludwig-Maximilians-University (LMU), Germany; [2] Hand, Plastic and Aesthetic Surgery, Ludwig-Maximilians-University Munich, Germany

A-0547 A novel use of QR code stickers after orthopaedic plaster application
G Fieraru, AT Gough, R Middleton, P Gafney, M Butler, RJ Kincaid
Trauma and Orthopaedic Department, The Royal Cornwall Hospital, Truro, UK

A-0792 Interobserver Reliability Study of the Classification of Scaphoid Waist Fractures using Computer-Tomography
Rasmus Wejnold Jørgensen, Anders Klahn, Johannes Heindl, Lars Solgård, Lars Vadstrup, Dejan Susic, Robert Gvozdenovic, Stig Jørring, Claus Hjorth Jensen
Hand Clinic, Department of Orthopedics, Herlev-Gentofte University Hospital of Copenhagen, Denmark

A-1234 Possibility of research within FESSH
Simon Farnebo
Linköping, Sweden

Active Tendon Rehabilitation

S45 Symposium

Friday, 15 June 2018 | 14:00 - 15:00 | Lumbye

Moderators: Helle Puggaard (Denmark)

A-1181 Active extensor tendon rehabilitation for zones 3-7; short arc motion and relative motion – two different approaches
Gwendolyn van Strien
The Netherlands

A-1182 Solving boutonniere, PIP joint extensor lag and hand pain problems with relative motion splinting
Donald Lalonde
Canada

Microsurgery and Flaps

S47 Free paper session

Friday, 15 June 2018 | 14:00 - 16:10 | Pjerrot

A-0479 Super microsurgery; open guide technique, is the appropriate technique for microvascular anastomosis to be integrated into a microsurgical training process?
Fidel Cayón [1,2,3], Germán Hernández [1,4,5]
[1] Universidad El Bosque, Bogotá, Colombia; [2] Centro de Especialidades Ortopedicas, Quito, Ecuador; [3] Hospital Metropolitano, Quito, Ecuador; [4] Sura ARL, Bogotá, Colombia; [5] Clinica Los Nogales, Bogotá, Colombia

A-0823 Confirmation of the Feasibility of Ex Vivo Creation of a Novel Human Multi-Chimeric Cells Therapy for Tolerance Induction in Vascularized Composite Allotransplantation
Joanna Cwykiel, George Rafidi, Maria Siemionow
University of Illinois at Chicago, Chicago, USA

A-0888 Treatment of Fingertip Amputation by Composite Graft and Temporary Dermo-dermal Fusion to the Palm in Children
Max Mann, Wiebke Hülsemann
Children's Hospital Wilhelmstift, Handsurgery Department, Hamburg, Germany

A-0449 Microsurgical Flow-through Flaps for Reconstruction of Volar Tissue Defect of Fingers
Chao Chen, Liwen Hao, Zengtao Wang
Shandong Provincial Hospital affiliated to Shandong University, Jinan, China

A-0557 Ultra-thinned pedicled groin flap to salvage degloved ring fingers: report of four cases
Adeline Cambon-Binder, Violaine Beauthier-Landauer, Alain-Charles Masquelet, Alain Sautet
Saint-Antoine Hospital, Paris, France

A-0813 Supermicrosurgical free perforator flaps for reconstruction of soft tissue defect of finger pulp
Liwen Hao, Chao Chen, Zengtao Wang
Shandong Provincial Hospital affiliated to Shandong University, Jinan, China

A-0576 An outcomes study of microvascular replantation in 1013 multi-level complete traumatic finger amputations - a tertiary trauma center experience
Yi-Chun Huang [1], Charles Loh [2], Shih-Heng Chen [2], Cheng-Hung Lin [2], Yu-Te Lin [2], Chung-Chen Hsu [2]
[1] Surgery, Chang Gung Memorial Hospital, Taiwan; [2] Department of Plastic and Reconstructive Surgery, Chang Gung Memorial Hospital, Taiwan

A-0464 Microsurgical and Non-microsurgical tricks in thumb replantation
Teodor Stamate, Radu Budurca, Camelia Tamas, Mihaela Pertea, Ionut Topa, Ionut Atanasoae
Department of Plastic and Reconstructive Microsurgery, University of Medicine and Pharmacy “Gr.T.Popa”, Iasi, Romania

A-0964 25-year experience of microsurgical thumb reconstruction in children
Sergei Goliana, Anton Govorov, Tatyana Tikhonenko
Turner Institute for Children’s Orthopedics, St. Petersburg, Russia

A-0743 Computed tomography angiography allows the classification of the first dorsal metatarsal artery
Xu Lin [1], Tan Haitao [1], Wei Pingou [1], Luo Xiang [1], Chaitanya S. Mudgal [2]
[1] Department of Hand and Foot Microsurgery,Guigang City People’s Hospital,Guigang, Guangxi, China; [2] Department of Orthopaedic

Surgery,Orthopaedic Hand and Upper Extremity Service, Massachusetts General Hospital, Boston, Massachusetts, USA

A-0760 Complications after toe to hand transfers in children with pathology of the hand.
TI Tikhonenko, SI Golyana, AV Govorov, NV Zaytseva
The Turner Scientific and Research Institute for Children's Orthopedics, St.-Petersburg, Russia

A-0992 Use of Second Dorsal Metacarpal Artery Skin Flaps for Treating Retractions in the First Hand Commissure
Samuel Ribak, Helton Hirata, Sergio Gama, Alexandre Tietzmann, Frederico Zink
Pontifical Catholic University of Campinas, Campinas, Brazil

A-1015 Do two venous anastomosis decrease free flaps complications in anterolateral thigh flap for limb reconstruction?
Raquel Bernardelli Iamaguchi, Renan Lyuji Takemura, Gustavo Bersani Silva, Jairo Andre de Oliveira Alves, Alvaro Baik Cho, Teng Hsiang Wei, Marcelo Rosa de Rezende, Rames Mattar jr
University of Sao Paulo, Brazil

A-0744 Hyphenated technique of CT angiography with color Doppler ultrasound for accurate posing before anterolateral thigh flap transplantation in 19 clinical cases
Xu Lin [1], Tan Haitao [1], Wei Pingou [1], Luo Xiang [1], Chaitanya S. Mudgal [2]
[1] Department of Hand and Foot Microsurgery,Guigang City People's Hospital, Guigang, Guangxi, China; [2] Department of Orthopaedic Surgery, Orthopaedic Hand and Upper Extremity Service, Massachusetts General Hospital, Boston, Massachusetts, USA

A-0503 Treatment of complex distal radius fracture nonunion with posterior interosseous bone flap
Reza Sh. Kamrani [1,2], Amir reza Farhood [1,2]
[1] Tehran University of Medical Sciences; [2] Joint reconstruction Research Center of TUMS

A-0812 How far the indication can be pushed for local perforator flaps in complex defects of the upper limb?
Alexandru Georgescu, Ileana Matei, Maria Nedu, Marius Pruna
University of Medicine Iuliu Hatieganu Cluj Napoca, Romania

PIP and CMC 1 Arthritis

S48 Free paper session

Friday, 15 June 2018 | 14:00 - 16:00 | Arkaden 8

A-0598 Proximal interphalangeal joint denervation: is it an alternative and efficient surgical procedure for proximal interphalangeal joint arthritis ?
Michel Chammas [1], Michael Bouyer [2], Jefferson Braga Silva [3], Jorge Boretto [4], Cyril Lazerges [1], Bertrand Coulet [1]
[1] Hand surgery unit, Lapeyronie University Hospital, Montpellier, France; [2] Michallon University Hospital, Grenoble, France; [3] Hand Suregry Unit, University Hospital, Pontifical University Catholic of Rio Grande do Sul, Porto Alegre, Brazil[4] Hand Surgery unit, Italian hospital, Buenos Aires, Argentina

A-0430 Minimal Important Change and Patient Acceptable Symptom State for the brief Michigan Hand Outcomes Questionnaire in patients after PIP joint arthroplasty
Miriam Marks [1], Stefanie Hensler [1], Daniel B. Herren [2], Stephan Schindele [2]
[1] Department of Teaching, Research and Development, Schulthess Klinik, Zurich, Switzerland; [2] Department of Hand Surgery, Schulthess Klinik, Zurich, Switzerland

A-0611 Double Oblique Osteotomy and Rotation of trapezo- metacarpal joint block (DOOR procedure). Surgical technique about 88 cases
Jean-Luc Roux, Amirouche Dahmam
Institut Montpelliérain de la Main, Clinique Sain Roch, Montpellier, France

A-0742 Positive experience with the treatment process associated with better outcome after surgery for Carpometacarpal osteoarthritis
Jonathan Tsehaie [1,2], Mark van den Oest [1,2], Ralph Poelstra [1,2], Ruud W. Selles [1,2,3], Reinier Feitz [2], Harm Slijper [2], Steven Hovius [1,2], Jarry T. Porsius [1,2,3], the Hand-Wrist Study Group
[1] Dept of Plastic, Reconstructive and Hand Surgery, Erasmus Medical Center Rotterdam, the Netherlands; [2] Hand and Wrist Surgery, Xpert Clinic, the Netherlands; [3] Dept of Rehabilitation Medicine, Erasmus Medical Center Rotterdam, the Netherlands

A-0934 Evidence based operative treatment of basal thumb arthritis: Has the evidence affected the treatment choices of hand surgeons?
Petros Mikalef [1], Dominic Power [2], David Warwick [3]
[1] Southampton NHS Treatment Centre, Southampton, UK; [2] Birmingham Hand Centre, Birmingham, UK; [3] University Hospital Southampton, Southampton, UK

A-0962 Functional outcome comparing a dual mobility cup to a standard cup in total joint arthroplasty of the trapeziometacarpal joint
Lone Kirkeby [1,2], Lene Dremstrup [1], Maiken Stilling [1,2,3], Torben Bæk Hansen [1,2]

[1] Regional Hospital West Jutland, Holstebro, Denmark; [2] Aarhus University, Aarhus, Denmark; [3] Aarhus University Hospital, Aarhus, Denmark

A-0967 The use of RegJoint in first CMC joint artrhosis, Eaton 2°-3° stages. Review of 50 cases with personal technique.
Gaetano Carriere
Villa Erbosa Hospital, Bologna, Italy

A-0003 Is cortical contact necessary to prevent metacarpal stem subsidence in trapeziometacarpal arthroplasty?
J. Duerinckx [1], S. Perelli [2], P. Caekebeke [1]
[1] Ziekenhuis Oost-Limburg, Genk, Belgium; [2] University of Pavia, Pavia, Italy

A-0784 Comparison trapeziometacarpal arthrodesis with resection arthroplasty(trapeziometacarpal narrow pseudoarthrosis) in the treatment of trapeziometacrpal osteoarthritis
Yoshinori Takemura [1], Narihito Kodama [1], Kosei Ando [2], Kensaku Kuga [3], Yoichiro Kuyama [4], Shinji Imai [1]
[1] the Department of Orthopaedics Surgery, Shiga University of Medical Science, Japan; [2] The Department of Orthopaedics Surgery, Yasu Hospital, Japan; [3] The Department of Orthopaedics Surgery, Japan Community Health Care Organization Shiga Hospital, Japan; [4] The Department of Orthopaedics Surgery, Shiga Medical Center for Children, Japan

A-0890 Long-term follow up after Pyrocarbon disc interposition for CMC thumb joint osteoarthritis
CMCA van Laarhoven[1,2,3], JSE Ottenhoff[3], AH Schuurman[3], EPA van der Heijden[2]
[1] Erasmus Medical Center, Rotterdam, the Netherlands; [2] Jeroen Bosch Hospital, 's Hertogenbosch, the Netherlands; [3] University Medical Center, Utrecht, the Netherlands

A-1000 Pirodisk in first CMC joint arthrosis : 120 cases, follow up from one to nine years
Mr. Gaetano Carriere
Villa Erbosa Hospital, Bologna Italy

A-1065 Joint survival analysis and clinical outcome of total joint arthroplasties with the isis implant in the treatment of trapeziometacarpal osteoarthritis: multicenter prospective continue case series.
Gauthier Menu, Etienne Boyer, François Loisel, Daniel Lepage, Laurent Obert
Orthopedic, Traumatology, and Hand Surgery Unit, CHRU Besancon - University of Bourgogne - Franche Comte, Bd Fleming, 25030 Besanc¸on, France

A-0597 Early loosening of the Elektra trapezial cup; a histological study
Rasmus Thorkildsen [1], Carina B Johansson [2], Johan Høgmalm [3], Magne Røkkum [1,4]
[1] Oslo University Hospital Upper Extremity- and Microsurgical Unit, Oslo, Norway; [2] Odontological Institute, Gothenburg University, Gothenburg, Sweden; [3] Institute for Geological Science, Gothenburg University, Gothenburg, Sweden; [4] University of Oslo, Oslo, Norway

A-0832 Retrospective study of secondary surgery after trapeziometacarpal joint arthroplasty.
Romain Detammaecker, Sophie Sabau, Lionel Athlani, Hugo Maschino, Gilles Dautel
Department of Hand Surgery, Plastic and Reconstructive Surgery. Centre Chirurgical Emile Gallé CHU, France

A-0894 Arthroscopic distal hemitrapeziectomy versus open distal hemitrapeziectomy without interposition in osteoarthritis of the first CMC joint; Two year follow up results of a randomized controlled trial
C.M.C.A. van Laarhoven [1,3], M. Baas [3], J.M. Zuidam [1,3], A.R. Koch [2]
[1] Franciscus Gasthuis, Rotterdam, The Netherlands; [2] Haga Hospital, The Hand and Wrist Center, The Hague, The Netherlands; [3] Erasmus Medical Center, Rotterdam, The Netherlands

A-1088 Arthroscopic CM Arthroplasty with Suture-Button Suspensionplasty Short term follow-up
Keiji Fujio [1], Takumi Hashimura [2], Kazuaki Tsuyuguchi [1], Hyongyon Kan [1], Masayuki Matsuoka [1]
[1] Hand Center and Medical Institute of Kansai Electric Power Hospital [2] Orthopaedic department of Kobe Municipal Medical Center

Hand Therapy

S46 Free paper session

Friday, 15 June 2018 | 15:00 - 16:00 | Lumbye

A-0830 The effect of electromyographic (EMG) biofeedback training on electrical muscle activity and functional status in zone I-III flexor tendon injuries: preliminary results
Umut Eraslan [1], Ali Kitis [1], Ahmet Fahir Demirkan [2]
[1] Pamukkale University, School of Physical Therapy and Rehabilitation, Denizli, Turkey; [2] Pamukkale University, Medical Faculty, Department of Orthopaedics and Traumatology, Denizli, Turkey

A-0257 Comparison of functional outcome following two rehabilitation protocols after flexor tendon repair
Christian Wirtz, Elisabeth Oberfeld, Rahel Meier, Esther Vögelin
Department of Plastic and Hand Surgery, Inselspital, University of Bern, Switzerland

A-0417 The Effect of Wrist Position on Tendon Loads Following Pulley Sectioning and Operative Reconstruction

Mohammad Haddara [1,2], Brett Byers [2], Louis Ferreira [1,2], Nina Suh [2]
[1] Department of Biomedical Engineering, University of Western Ontario, London, ON, Canada; [2] Roth|McFarlane Hand and Upper Limb Centre, St. Joseph's Hospital, London, ON, Canada

A-0241 Kinematic analysis of the hand during opening a jar and yoghurt
Lisa Reissner, Gabriella Fischer, Pietro Giovanoli, Maurizio Calcagni
Division of Hand and Plastic Surgery, University Hospital Zurich, Switzerland

A-1084 The myth of the 'uninjuried' side after hand injury
İlkem Ceren Sığırtmaç, Özge Buket Cesim, Burcu Semin Akel, Çiğdem Öksüz
Hacettepe University Faculty of Health Sciences Occupational Therapy Department, Ankara,Turkey

A-0859 Kinesiophobia and Its Relation with Functional Outcomes in Hand Injuries
Özge Buket Cesim, Burcu Semin Akel, Çiğdem Öksüz
Hacettepe University, Ankara, Turkey

A-0861 Is There a Relation Between Kinesiophobia and Sense of Coherence in Hand Injuries?
Özge Buket Cesim, Elif Cimilli, Çiğdem Öksüz, Burcu Semin Akel
Hacettepe University, Ankara, Turkey

A-0589 Effectiveness of application of variable splinting devices in postoperative movement rehabilitation in patients with posttraumatic elbow contractures
IM Kurinnyi, OS Strafun, AS Lysak
State institution "Institute of Traumatology and Orthopedics of NAMS of Ukraine", Kyiv, Ukraine

Wrist arthroplasty

S43 Free paper session

Friday, 15 June 2018 | 15:20 - 16:00 | Main Hall

A-0012 Universal 2 total wrist arthroplasty as a salvage procedure for failed BIAX total wrist arthroplasty
HJA Zijlker, MJ Berkhout, MJPF Ritt, CN van Leeuwen, CB IJsselstein
[1] VU University Medical Center, Amsterdam, The Netherlands; [2] Albert Schweitzer Hospital, Dordrecht, The Netherlands

A-0195 High precision and accuracy with model-based RSA in two different wrist arthroplasties
Trygve Holm-Glad, Stephan Röhrl, Masako Tsukanaka, Magne Røkkum, Ole Reigstad
Oslo University Hospital, Oslo, Norway

A-0416 Short to intermediate results of the Motec total wrist arthroplasty
Edwin Ooms [1], Duncan McGuire [2], Tim Sluis-Cremer [2], Michael Solomons [2]
[1] Centre for Orthopaedic Surgery OCON, Hand and Wrist unit, Hengelo, The Netherlands; [2] Martin Singer Hand Unit, Groote Schuur Hospital, University of Cape Town, South Africa

A-0619 Good results 7 years after wrist arthroplasty revision surgery in 28 patients
Ole Reigstad [1], Trygve Holm-Glad [1,2], Siri Roness [3], Christian Grimsgaard [1], Rasmus Thorkildsen [1,2], Magne Røkkum [1,2]
[1] Upper extremity and microsurgical unit, Division of Orthopaedic Department, Oslo University Hospital, Norway; [2] Institute of Clinical Medicine, University of Oslo, Oslo, Norway; [3] Physiotherapy Unit, Department for Clinical Service, University Hospital of Oslo, Norway

Update on the Treatment of Peri-Trapezial Osteo-Arthritis

S49

A clinical debate on 6 cases

Friday, 15 June 2018 | 16:30 - 17:30 | Main Hall

Moderators: Michel Boeckstyns (Denmark), Torben Bæk Hansen (Denmark)

Hand Surgery at the Frontier. Session of Young Hand surgeons - 2

S51 Free paper session

Friday, 15 June 2018 | 16:30 - 18:30 | Carstensen

Moderators: Luzian Haug (Bern, Switzerland), Inga Besmens (Zurich, Switzerland)

A-0384 HaptiVisT – The concept of a haptic and visual assisted training simulator for complex bone drilling in the minimally invasive hand surgery
Johannes Maier [1], Michaela Huber [2], Uwe Katzky [3], Jerome Perret [4], Thomas Wittenberg [5], Rebecca Wöhl [2], Christoph Palm [1,6]
[1] Regensburg Medical Image Computing (ReMIC), Ostbayerische Technische Hochschule Regensburg (OTH Regensburg), Germany ; [2] Department of Trauma Surgery & Emergency Department, University Hospital Regensburg, Germany ; [3] szenaris GmbH, Bremen, Germany; [4] Haption GmbH, Aachen, Germany; [5] Fraunhofer Institute for Integrated Circuits IIS, Erlangen, Germany; [6] Regensburg Center of Biomedical Engineering (RCBE), OTH Regensburg and Regensburg University, Germany

A-1122 NT Visual - Developing a 3D Software for Nerve Surgeons
Clemens Gstöttner, Cosima Prahm, Johannes Mayer, Oskar Aszmann
CD Laboratory for Reconstruction of Extremity Function Medical University of Vienna Vienna, Austria

A-0086 Cyanoacrylate- assisted Four-corner Fish-mouth Technique for Microvascular Anastomosis
Sze-Ryn Chung [1], Muntasir Mannan Choudhury [1], Sarah Jiayu Too [2], Duncan Angus McGrouther [1], Andrew Yuan Hui Chin [1]
[1] Department of Hand Surgery, Singapore General Hospital; [2] Yong Loo Lin School of Medicine, National University Singapore

A-1235 Robot assisted surgery
Philippe Liverneaux
Strasbourg, France

A-1236 Tissue engeneering in Hand Surgery
Simon Farnebo
Linköping, Sweden

A-1237 Aesthetic hand surgery: Why handsurgeons must be involved
Rafael Jakubietz
Würzburg, Germany

A-1238 The bionic Hand
Silvestro Micera
EPFL, Lausanne, Switzerland

A-1239 YEHS – Young European Hand surgeons
Inga Besmens
Zurich, Switzerland

Difficult pain problems

S52 Symposium
Friday, 15 June 2018 | 16:30 - 18:00 | Lumbye

Moderator: Jörg Bahm (Belgium)

A-1183 Introduction
Jörg Bahm
Belgium

A-1184 Reality of CRPS
Andrzej Zyluk
Poland

A-1185 Surgical sympathectomy in CRPS treatment
Igor Golubev
Russia

A-1186 Rare conditions: unusual entrapment, torsion, 2 level
Jörg Bahm
Belgium

A-1187 Surgery of neuromas
Pierluigi Tos
Italy

A-1188 Applications of new technologies and techniques in the surgical management of chronic postoperative pain
Ivica Ducic

USA

A-1189 Therapy concepts
R. Winkel
Germany

A-1190 Virtual reality and cortical plasticity
Dominique Mouraux
Belgium

Kienböck

S54 Free paper session

Friday, 15 June 2018 | 16:30 - 17:00 | Pjerrot

A-0111 Core excision and tendon ball implantation for the treatment of advanced stage Kienbock's disease
Toru Sunagawa, Rikuo Shinomiya
Graduate School of Biomedical and Health Sciences, Hiroshima University, Hiroshima, Japan

A-0884 Long Term Outcomes for Early Stages of Kienböck's Disease treated with Radius Core Decompression
Pablo De Carli, Ezequiel Zaidenberg, Agustin Donndorff, Gerardo Gallucci, Jorge Boretto
Hospital Italiano, Buenos Aires, Argentina

A-0022 Treatment of advanced Kienbock disease (Lichtman IIIB) with a shortening osteotomy of the radius – 17 cases.
Jose Botelheiro [1], Silvia Silverio [2]
[1] Hospital dos Lusiadas, Lisbon, Portugal; [2] Hospital de Sant'Ana, Parede, Portugal

A-0348 Clinical and MRI evaluation of Kienböck's Disease treated by « Camembert » radial osteotomy. Follow-up min 5 years.
Emmanuel J Camus [1,3], Luc Van Overstraeten [2,3]
[1] SELARL Chirurgie de la main, Lesquin, France; [2] HFSU, Tournai, Belgium; [3] ULB, Bruxelles, Belgium

Elbow, Rheumatoid and Degenerative Arthritis

S56 Free paper session

Friday, 15 June 2018 | 16:30 - 18:40 | Arkaden 8

A-0192 Outcomes of radial head fractures in patients under 50 years old: what is better - open reduction internal fixation or arthroplasty?
Sanmeet Singh, Xuyang Song, Alexandria L. Case, W. Andrew Eglseder, Raymond A. Pensy, Joshua M. Abzug
University of Maryland School of Medicine, Baltimore, Maryland, USA

A-0839 Open reduction and internal fixation for Mason type III radial head fractures: is it different from that for Mason type II fractures?
Seung-Han Shin, Young-Hoon Kang, Yong-Suk Lee, Yang-Guk Chung
Seoul St. Mary's Hospital, The Catholic University of Korea, Seoul, South Korea

A-0558 double plating techniquel to treat proximal ulnar comminuted fractures : retrospective multicentric study
Gauthier Menu, Camille Echalier, Agathe Alvernhe, Severin Rochet, Julien Boudard, Daniel Lepage, Gregoire Leclerc, Pauline Sergent, Francois Loisel
Orthopedic, Traumatology and Hand surgery Unit, University Hospital CHRU Besancon, France; Research Unit : Nano Medicine, Medical School, University of Bourgogne, Franche Comte, France

A-0577 Patterns of radial notch fracture in elbow fracture dislocations with proximal ulna comminution
Natsumi Saka [1], Hirotada Matsui [2], Hideki Tsuji [2], Yoshiaki Kurata [2], Hideaki Miyamoto [1], Gen Sasaki [1], Taketo Kurozumi [1]
[1] Department of Orthopaedics, Teikyo University, Japan; [2] Orthopaedic Trauma Center, Sapporo Tokusyukai Hospital, Japan

A-0872 Surgical treatment of acute injuries of the posterior bundle of the medial elbow collateral ligament.
Arman Sard, Elisa Dutto, Matteo Ferrero, Stefania Vanni, Bruno Battiston
Department of Orthopedic and Traumatology 2, AOU Città della Salute e della Scienza, PO CTO, Turin, Italy

A-0795 Complications After Elbow Terrible Triad Surgical Treatment
Verónica Jimenez Diaz [1], Lorena Garcia Lamas [1,2], Miguel Porras [1,2,3], David Cecilia [1,2,3,4]

Hospital Universitario Doce de Octubre Madrid, Spain

A-0819 Terrible triad injury of the elbow: interobserver and intraobserver reliability of computed tomography versus plain radiography in the preoperative planning.
Isabella Fassola, Kay Krüger, Benedict Kunz, Jens Hahnhaußen, Wolfgang Ertel, Senat Krasnici
Department of Orthopedic, Trauma and Reconstructive Surgery, Charité-Universitätsmedizin Berlin, Campus Benjamin Franklin, Berlin, Germany

A-0204 Extensor pollicis brevis insertion pattern as a possible cause of boutonnière deformity in the rheumatoid thumb
Shunji Okita [1], Keiichiro Nishida [1], Taichi Saito [1], Yasunori Shimamura [1], Aiji Ohtsuka [2], Toshifumi Ozaki [1]
[1] Department of Orthopedic Surgery, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama, Japan; [2] Department of Human Morphology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama, Japan

A-1089 Extensor tendon repair and prophylactic extensor retinaculum release for extensor tendon ruptures in rheumatoid wrists
Seung-Han Shin, Yong-Suk Lee, Yang-Guk Chung
Seoul St. Mary's Hospital, The Catholic University of Korea, Seoul, Republic of Korea

A-0210 Surgical treatment of mucous cysts by subcutaneous excision and osteophyte resection: Results in 68 cases at a mean 6.63 years' follow-up
Steven Roulet, Bertille Charruau, Charles Agout, Guillaume Bacle, Emilie Marteau, Jacky Laulan
Hand Surgery Unit, Department of Orthopedic Surgery 1, Trousseau University Hospital, Medical University François Rabelais of Tours, Tours, France

A-1054 DIP Joint arthrodesis with headless cannulated screw: review of 24 cases.
Davide Smarrelli
Humanitas-Gavazzeni, Bergamo, Italy

A-1071 Evaluation of finger proximal inter-phalangeal joint fusion using mini Herbert screws.
Muhammad A Quolqula
Tanta University, Department of Orthopaedics, Tanta, Egypt

A-1052 Distal scaphoidectomy & radio-scapho-lunate arthrodesis using multiple Herbert screws as a motion preserving procedure in radiocarpal arthritis.
Muhammad A Quolqula
Tanta University, Department of Orthopaedics, Tanta, Egypt.

A-0292 Total wrist arthrodesis with a locked, low profile fusion plate without carpometacarpal joint fixation – A bicenter trial
S. V. Koehler [1], K. Koch [2], F. Neubrech [1], A. Arsalan-Werner [1], H. Krimmer [2], M. Sauerbier [1]
[1] Berufsgenossenschaftliche Unfallklinik Frankfurt am Main, Germany; [2] Zentrum für Handchirurgie Ravensburg im Ärztehaus am Krankenhaus St. Elisabeth, Germany

A-1070 Total Wrist Fusion and Total Wrist Arthroplasty in Patients with End-stage Osteoarthritis: A Qualitative Analysis of Expectations, Involvement and Appraisal of Results
Sara Larsson, Ingela Carlsson, Hans-Eric Rosberg, Anders Björkman, Elisabeth Brogren
Department of Hand Surgery, Skåne University Hospital, Malmö, Sweden and Department of Translational Medicine, Malmö, Lund University

A-0546 Anatomical Study of the Anconeus Muscle
Verónica Jimenez-Díaz, Lorena García-Lamas, Miguel Angel Porras-Moreno, David Cecilia-López
12 de Octubre Univerity Hospital, Madrid, Spain

ESPRAS session

S55

Friday, 15 June 2018 | 17:00 - 18:30 | Pjerrot

CMC1 Arthritis

S50 Free paper session

Friday, 15 June 2018 | 17:30 - 18:30 | Main Hall

A-0060 Outcomes of the Ivory arthroplasty for trapeziometacarpal joint osteoarthritis with a minimum of 10 years follow-up: a prospective single-centre cohort study
Gino Vissers [1], Bart Berghs [1], Bert Vanmierlo [1], Francis Bonte [1], Chul Ki Goorens [2], Jean Goubau [1,2]

[1] AZ Sint-Jan Hospital, Bruges, Belgium; [2] Vrije Universiteit Brussel, Brussels, Belgium

A-0556 Dual mobility trapeziometacarpal prosthesis for active people
Thomas Apard, Yann-Erwann Favennec, Gilles Candelier
Center of Hand Surgery, Private Hospital Saint Martin, Caen, France

A-0171 Functional and radigraphical results of the ISIS CMC prosthesis. A prospective study
Francisco Cuadrado Abajo, Manuel Rubén Sánchez Crespo, Fernando Javier del Canto Álvarez, María de los Angeles de la Red Gallego, Higinio Ayala Gutiérrez, Olga María Vélez García, José Couceiro Otero, Vanesa Martínez Cortavitarte
Marqués de Valdecilla Universitary Hospital, Santander, Spain

A-0553 Mechanisms of failure in base of thumb implant arthroplasty: A Systematic Review
David J Hunter-Smith, Dasun Ganhewa, Rui Wu, Michael P Chae, Vicky Tobin, Warren M Rozen
1. Department of Plastic and Reconstructive Surgery, Frankston Hospital, Peninsula Health, 2 Hastings Road, Frankston Victoria 3199 Australia. 2. Monash University Plastic and Reconstructive Surgery Group (Peninsula Clinical School), Peninsula Health, 2 Hastings Road, Frankston, Victoria 3199 Australia

A-0147 Revision Surgery of Failed Trapeziometacarpal Arthroplasty: Secondary Trapeziectomy
Charlotte Waxweiler, Nicolas Cuylits, Petrus Van Hoonacker, Konstantin Drossos, Anne Lejeune, Nader Chahidi, David Lumens
Centre de Chirurgie de la Main, Parc Leopold Clinic, Brussels, Belgium

A-0070 Thumb basal Joint Osteoarthritis: Reconstruction and Tendon Interposition Versus Hematoma Distraction Arthroplasty. A Prospective Randomized Controlled Trial.
A. Toro-Aguilera [1], P. Martínez-Galarza [1], C. Heras-Palou [2]
[1] Hand and wrist unit, Fundació Sanitària Mollet, Barcelona, Spain; [2] Pulvertaft Hand Centre, Royal Derby Hospital, Derby, UK

A-0564 Joint arthroplasty with osteochondral grafting from the knee for posttraumatic or degenerative hand joint disorders.
Narihito Kodama, Yoshinori Takemura, Kosei Ando, Shinji Imai
Shiga University of Medical Science, Shiga, Japan

A-0044 Accuracy of the assessment of the stage of osteoarthritis CMC I joint - X-ray vs. arthroscopy -
Holger Erne, Michael Cerny, Denis Ehrl, Anna Bauer, Steffen Löw , Hans-Günther Machens, Daniel Schmauss
Department for Plastic and Hand Surgery, Technical University Munich, Munich, Germany

Peripheral Nerves

S53 Free paper session

Friday, 15 June 2018 | 18:00 - 18:30 | Lumbye

A-0358 New Open and Arthroscopic-Assisted Approaches of the Axillary Nerve
Andres A. Maldonado, Bassem T. Elhassan, Allen T. Bishop, Alex Y. Shin, Robert J. Spinner
[1] Department of Plastic, Hand and Reconstructive Surgery, BG Unfallklinik Frankfurt, Germany; [2] Department of Neurosurgery, Mayo Clinic, Rochester (MN), USA

A-0735 The clinical course of idiopathic anterior and posterior interosseous nerve palsy
Yoichiro Kuyama [1], Narihito Kodama [2], Kosei Ando [3], Yoshinori Takemura [2], Kensaku Kuga [4], Shinji Imai [2]
[1] Shiga Medical Center for Children, Shiga, Japan; [2] Department of Orthopedic Surgery, Shiga University of Medical Science, Shiga, Japan; [3] Yasu Hospital, Shiga, Japan; [4] Japan Community Health Care Organization Shiga Hospital, Shiga, Japan

A-0596 Clinical and neurophysiological results two years after transfer of the interosseous anterior nerve (AIN) to the deep motor branch of the Ulnar nerve (DBUN)
Rasmus Thorkildsen [1], Frode Thu [1], Lars-Eldar Myrseth [1], Ellen Jørum [2], Inge Petter Kleggetveit [2], Lise Maurstad [3], Bjørg Bolstad [3], Magne Røkkum [1,4]
[1] Upper Extremity and Microsurgical Unit, Department of Orthopeadics, Oslo University Hospital, Oslo, Norway; [2] Neurological Department, Oslo University Hospital, Oslo, Norway; [3] Department for Clinical Service Orthopaedics, Oslo University Hospital, Oslo, Norway; [4] University of Oslo, Oslo, Norway

A-0185 Do surgeons agree on what constitutes tension at nerve repair sites?
Joshua M. Abzug [1], Fraser J. Leversedge [2], John S. Taras [3], Peter Tang [4], Harry A. Hoyen [5], Peter J. Evans [5], Scott H. Kozin [6]
[1] University of Maryland School of Medicine, Baltimore, Maryland, USA; [2] Duke Health, Durham, North Carolina, USA; [3] Drexel University, Philadelphia, Pennsylvania, USA; [4] Allegheny Orthopedic Associates, Pittsburgh, Pennsylvania, USA; [5] Case Western Reserve University, Cleveland, Ohio, USA; [6] Shriner's Hospital for Children, Philadelphia, Pennsylvania, USA

Saturday, 16 June 2018

Distal radius fractures

S57

Saturday, 16 June 2018 | 08:00 - 09:15 | Main Hall

Moderators: Francisco del Pinal (Spain), Jan-Ragnar Haugstvedt (Norway)

A-1241 Welcome address
Gustavo Mantovani
Brazil

A-1242 Arthroscopic reduction in simple intraarticular fractures
Rene Jorquera
Chile

A-1243 Arthroscopic reduction in complicated intraarticular fractures
Francisco Del Piñal
Spain

A-1244 Distal Radius Fractures and ligament lesionsl
Toshiyasu Nakamura
Japan

A-1245 TFCC lesions in acute Distal Radius Fractures
Johan H. Scheer
Sweden

A-1246 Late diagnosed TFCC leskons: treatment options
Andrea Atzei
Italy

A-1247 Arthroscopic release of the stiff wrist Dia
Riccardo Luchetti
Italy

A-1248 Diagnosis and management of UT split tears: Does it happen and can it be treated
Steven Moran
USA

Distal Radius Fractures

S58 Free paper session

Saturday, 16 June 2018 | 08:00 - 09:00 | Carstensen

A-0533 Influence of distal radius fracture internal fixation on social and psychological patients well-being in late post-operative period
Maksim E. Sautin [1], Bella Gazimieva [2], Igor Golubev [3]
[1] European Clinic of Sports Traumatology and Orthopaedics (ECSTO), Moscow, Russia; [2] Sechenov First Moscow State Medical University (FMSMU), Moscow, Russia; [3] N.N. Priorov National Medical Research Center of Traumatology and Orthopaedics (CITO), Moscow, Russia

A-0943 Do patients with an inferior subjective result 12 months after a distal radius fracture improve over time? A long-term 2–12-year register follow-up
Marcus Landgren [1], Vendela Teurneau [1], Antonio Abramo [2], Mats Geijer [3,4], Magnus Tägil [1,2]
[1] Department of Orthopedics, Clinical Sciences, Lund University and Skåne UniversityHospital, Lund, Sweden; [2] Department of Hand Surgery Malmö, Skåne University Hospital, Malmö, Sweden; [3] Department of Radiology, Faculty of Medicine and Health, Örebro University, Örebro, Sweden; [4] Department of Clinical Sciences, Lund University, Lund, Sweden

A-0152 Long-term outcome after distal radial fractures in Octogenarians
E.A.K. van Delft [1], F.A. van Brussel [2], C.J.L. Molenaar [3], K.J. van Stralen [3], N.W.L. Schep [4], J. Vermeulen [3]
[1] VU Medical Center, Amsterdam, The Netherlands; [2] AMC, Amsterdam, The Netherlands; [3] Spaarne Gasthuis, Haarlem, The Netherlands; [4] Maasstad Ziekenhuis, Rotterdam, The Netherlands;

A-0307 Evaluation of sarcopenia in patients with distal radius fractures
Young Hak Roh [1], Seok Woo Hong [1], Hyun Sik Gong [2], Goo Hyun Baek [2]
[1] Department of Orthopaedic Surgery, Ewha Womans University Medical Center, Ewha Womans University College of Medicine, Seoul, South Korea; [2] Department of Orthopaedic Surgery, Seoul National University College of Medicine, Seoul, South Korea

A-0266 The effectiveness of intraoperative 3D fluoroscopy in the treatment of intra-articular distal radius fractures: a randomized controlled trial
C.A. Selles [1], R.J.O. de Muinck Keizer [1], M.S.H. Beerekamp [1], P.A. Leenhouts [1], M. Maas [2], J.C. Goslings [1], N.W.L. Schep [3]
[1] Trauma Unit, Department of Surgery, Academic Medical Center, University of Amsterdam, The Netherlands; [2] Department of Radiology, Academic Medical Center, University of Amsterdam, The Netherlands; [3] Department of Trauma and Hand Surgery, Maasstad Hospital, Rotterdam, The Netherlands

A-0508 Defining displacement thresholds for surgical intervention for distal radius fractures – a Delphi study
Nick Johnson, Paul Leighton, Charles Pailthorpe, Distal Radius Fracture Study Group, Joseph J Dias
University Hospitals of Leicester, UK

A-1021 Outcomes of distal radius fractures associated with triangular fibrocartilage complex injury
Katerina Kasapinova, Viktor Kamiloski
University Surgery Clinic "St.Naum Ohridski", Department of Traumatology, Skopje, Republic of Macedonia

A-1031 Three-Dimensional versus Two-Dimensional Preoperative Planning of Corrective Osteotomy for Extra-Articular Distal Radius Malunion: a Multicenter Randomized Controlled Trial
Geert A. Buijze [1,2], Natalie L. Leong [3], Filip Stockmans [4,5], Peter Axelsson [6], Rodrigo Moreno [7], Allan Ibsen Sörensen [8], Jesse B. Jupiter [2]
[1] Academic Medical Center, Department of Orthopaedic Surgery, Amsterdam, The Netherlands; [2] Massachusetts General Hospital, Department of Orthopaedic Surgery, Boston, USA; [3] Rush University Medical Center, Department of Orthopedic Surgery, Chicago, USA; [4] AZ Groeninge, Handgroep Groeninge,President Kennededylaan , Kortrijk, Belgium; [5] KULeuven Campus Kortrijk, Kortrijk, Belgium; [6] Department of Hand Surgery, Institute of Clinical Sciences, Sahlgrenska Academy, University of Gothenburg, Gothenburg, Sweden; [7] Christine M Kleinert Institute for Hand and Microsurgery, Louisville, USA; [8] Department of Hand Surgery, Institute of Clinical Sciences, Sahlgrenska Academy, University of Gothenburg, Gothenburg Sweden

Congenital and Paediatric Conditions

S60 Free paper session

Saturday, 16 June 2018 | 08:00 - 10:00 | Lumbye

A-0080 Establishment of normal ranges of upper extremity length, circumference, and rate of growth in the pediatric population
Tyler Edmond, Alexandra Laps, Joshua M Abzug
University of Maryland School of Medicine, Baltimore, USA

A-0263 Parenting stress in mothers of children with congenital hand or foot differences and its effect on the surgical decision-making for their children
Jihyeung Kim, Young Ho Lee, Kee Jeong Bae, Hyun Sik Gong, Goo Hyun Baek
Department of Orthopedic Surgery, Seoul National University, College of Medicine, Seoul, South Korea

A-1026 Culture and transplant of human fibroblast cells (allograft) on amniotic membrane for treatment of Epidermplysis bullosa
Mohammad Javad Fatemi [1], Siamak Farokh Forghani [1], Zahra Orouji [1], Saeid Shafieyan [2], Ehsan Taghi Abadi [2], Mitra Niazi [1]
[1] Burn Research Center, Iran University of medical Sciences, Tehran, Iran; [2] Royan Institute for Stem Cell Biology and Technology, ACECR, Tehran, Iran

A-0871 Characteristics of Trigger Finger in Children
Wiebke Hülsemann [1], Max Mann [1], Karl-Heinz Kalb [2]
[1] Children\'s Hospital Wilhelmstift, Handsurgery, Hamburg, Germany; [2] Rhön-Klinikum AG, Handchisurgery, Bad Neustadt/Saale, Germany

A-0834 Congenital Trigger Digits: Results of Surgical Treatment
Nikos Rigopoulos, Ioannis Antoniou, Stratis Athanaselis, Zoe Dailiana, Konstantinos Malizos, Sokratis Varitimidis.
Department of Orthopaedic Surgery, University of Thessalia, Larissa, Greece

A-0049 Principles of surgical treatment of wrist contractures in children with Arthrogryposis
Olga Agranovich; Evgeniia Kochenova
The Turner Scientific Research Institute for Children's Orthopedics, Saint-Petersburg, Russia

A-0087 Management of severe radial club hand by soft tissue distraction prior to centralization using JESS Fixator
Shringari Mahadevaiah Venugopal, Bhaskaranand Kumar
B.I.R.R.D. (T) Hospital, T.T.D., Tirupati, Andhra Pradesh, India

A-0663 Atypical cleft hand: surgical thecnique for grasping improvement
Edgard N Franca Bisneto, Emygdio J Leomil de Paula, Rames Mattar Jr, Laura Lorimier

Institute of Orthopaedics and Traumatology University of Sao Paulo, Sao Paulo, Brazil

A-0369 Pollicization in Mirror Hand
Mohammed Tahir Ansari, Swapnil Singh
All India Institute of Medical Sciences, New Delhi, India

A-0311 Reconstruction of hypoplastic thumb using hemi-metatarsal composite tissue transfer
Bin Wang, Shengbo Zhou, Wenhai Sun
Department of Plastic and Reconstructive Surgery, Shanghai 9th People's Hospital, Shanghai Jiaotong University School of Medicine, China

A-0312 A novel opening wedge osteotomy to correct delta phalanx deformity in clinodactyly
Bin Wang, Hailei Mao, Wenhai Sun, Gang Han
Department of Plastic and Reconstructive Surgery, Shanghai 9th People's Hospital, Shanghai Jiaotong University School of Medicine, China

A-0921 Triphalangeal thumb - A diverse phenomenon
Lisa Ng, Emma Reay, Susan Stevenson, Brid Crowley
Department of Plastic and Reconstructive Surgery, Royal Victoria Infirmary, Newcastle upon Tyne Hospitals NHS Foundation Trust, Newcastle upon Tyne, UK

A-0922 An anatomical study of triphalangeal thumb in radial polydactyly
L Ng, S Stevenson, M Alrawi, P Kalu, J Littler, J Ahmad, B Crowley
Department of Plastic and Reconstructive Surgery, Royal Victoria Infirmary, Newcastle upon Tyne Hospitals NHS Foundation Trust, Newcastle upon Tyne, UK

A-0929 An alternative to pollicisation - Foerster´s arthrodesis and callus distraction
Martin Franz Langer
University Clinic, Münster, Germany

A-0397 Anatomy and Treatment of Thenar Muscles in Primary Surgery for Radial Polydactyly
HL Stark, J Maraka, S Stevenson, B Crowley
Royal Victoria Infirmary, Newcastle-upon-Tyne, UK

A-0520 Metacarpal corrective osteotomy in patients with Wassel type IV radial polydactyly
Jihyeung Kim, Seong Hwa Hong, Kee Jeong Bae, Hyun Sik Gong, Young Ho Lee, Goo Hyun Baek
Department of Orthopaedic Surgery, Seoul National University, College of Medicine, Seoul, South Korea

A-0092 Bilhaut procedure: expanding the indications
Igor Shvedovchenko [1,2], Andrej Koltsov [1]
[1] Federal State Institution St.Petersburg Scientific and Practical Centre of Medical and Social Expertise, Prosthetics and Rehabilitation named after G.A.Albrecht of the Ministry of Labour and Social Protection of the Russian Federation; [2] Department of Medical Physics, St. Petersburg State Polytechnical University, St. Petersburg, Russia

Upper Limb Trauma in War and High Velocity Injuries

S61 Symposium
Saturday, 16 June 2018 | 08:00 - 09:00 | Pjerrot

Moderator: Ankur Pandya (UK)

A-1191 Experience in War Injuries Treatment
V.V. Golovchenko, M.E. Sautin
Russia

A-1192 The Region Distal to the Elbow, Principles of Treatment of the Gunshot Injuries
M. Kurklu
Ankara, Turkey

A-1194 Upper limb nerve injuries from blast and ballistic trauma
Dominic Power
Birmingham, UK

A-1195 Upper Limb Injuries Associated with 235 Consecutive Bilateral Lower Limb Amputations in War. An Analysis of the Mechanism and Distribution of Upper Limb Injuries
Ankur Pandya
Portsmouth, UK

Brachial Plexus

S63 Free paper session

Saturday, 16 June 2018 | 08:00 - 10:00 | Arkaden 8

A-1108 A bilateral, transmanubrial surgical approach to the caudal brachial plexus and subclavian vessels: presentation of ten cases and discussion of surgical technique and indications
James D Bedford [1], Vinay N Itte [1], Daniel J Wilks [1], DJA Scott [2], Simon PJ Kay [1]
[1] Department of Hand & Plastic Surgery, Leeds Teaching Hospitals NHS Trust, UK [2] Department of Vascular Surgery, Leeds Teaching Hospitals NHS Trust, UK

A-0496 Direct sutures in extended upper obstetric brachial plexus reconstruction
Jörg Bahm, Ann Gkotsi, Wissam ElKazzi, Frederic Schuind
Departmen of Orthopedics, ULB Erasme University Hospital, Brussels, Belgium

A-0976 Effects of Various Selective Nerve Transfers on the Adult and Neonatal Motor Unit
Matthias E. Sporer, Martin Aman, Konstantin D. Bergmeister, Dieter Depisch, Krisztina Manzano-Szalai, Bruno K. Podesser, Oskar C. Aszmann
CD-Laboratory for Restoration of Extremity Function, Department of Surgery, Medical University of Vienna, Austria

A-0344 Bipolar transfer of the pectoralis major muscle for restoration of elbow flexion in 29 cases
Adeline Cambon-Binder [1], Arnaud Walch [2], Pierre-Sylvain Marcheix [3], Zoubir Belkheyar [4]
[1] Saint-Antoine Hospital, Paris, France; [2] Edouard Herriot Hospital, Lyon, France; [3] Dupuytren Hospital, Limoges, France; [4] Clinique du Mont Louis, Paris, France

A-0361 Microsurgical Reconstruction after pan-plexus injury: Where is the optimal gracilis distal tendon attachment for elbow flexion?
Andres A. Maldonado, Santiago Romero-Brufau, Robert J. Spinner, Allen T. Bishop, Alex Y. Shin
[1] Department of Plastic, Hand and Reconstructive Surgery, BG Unfallklinik Frankfurt, Germany; [2] Department of Neurosurgery, Mayo Clinic, Rochester (MN), USA

A-0341 Comparative, retrospective study of elbow flexion gain in patients with brachial plexus injury who underwent neurotization with part of the ulnar nerve to the biceps muscle or to the free gracilis muscle
Marcelo Rosa de Rezende, Renata Gregório Paulos, Álvaro Baik Cho, Rames Mattar Junior, Teng Hsiang Wei
Hand and Microsurgery of Orthopaedic and Traumatology Institute of University of São Paulo, Brazil

A-0484 Does Cognitive Capacity Interfere with the Outcome of Oberlin Transfer?
Fernando AS Azevedo Filho, William Z Santos, Thomaz G Oliveira, Yussef A Abdouni, Antonio C Costa, Patrícia MMB Fucs
Santa Casa de São Paulo, São Paulo, Brazil

A-1106 The Free Vascularized Pedicled Nerve Functioning Muscle Transfer: a Novel Concept for Brachial Plexus Reconstruction
Henk P Giele
Department of Plastic & Reconstructive Surgery, Oxford University Hospitals NHS Trust, United Kingdom

A-0511 Comparison Between Donor Nerves to Motorize the Free Gracilis Muscle Transfer for Elbow Flexion. Retrospective study of 55 consecutive cases in Traumatic Adult Brachial Plexus Injuries
Alvaro Baik Cho, Gustavo Bersani Silva, Marina Justi Pisani, Jairo Alves, Raquel Bernardeli Iamaguchi, Teng Hsiang Wei, Marcelo Rosa de Rezende
Hospital das Clínicas da Faculdade de Medicina da Universidade de São Paulo, Instituto de Ortopedia e Traumatologia, São Paulo, Brazil

A-0027 Double nerve transfer for the reanimation of axilary nerve palsies.
Thibault Lafosse, Amaury Grandjean, Thibault Gerosa, Malo Lehanneur, Thomas Bihel, Emmanuel Masmejean
Alps Surgery Institute, Clinique Générale Annecy, France

A-0119 The clinical research of contralateral C7 nerve transfer
Gao Kaiming, Lao Jie, Zhao Xin, Gu Yudong
Huashan Hospital, Department of Hand Surgery

A-0028 Transfer of a fascicle from C7 root to the supra scapular nerve in C5C6 brachial plexus palsies
Thibault Lafosse, Malo Lehanneur, Amaury Grandjean, Thibault Gerosa, Thomas Bihel, Emmanuel Masmejean.
Alps Surgery Institute, Clinique Générale, Annecy, France

A-1118 Spinal accessory to suprascapular nerve transfer in late cases of obstetrical brachial plexus palsy
Mikhail Novikov, Timur Torno, Andrey Fedorov, Dmitry Druzhinin
Yaroslavl State Children's Hospital, Yaroslavl, Russia

A-0381 Reconstruction of the Spinal Accessory Nerve with Selective Fascicular Nerve Transfer of the Upper Trunk
Johannes A. Mayer [1], Laura A. Hruby [1], Stefan Salminger [1,2], Gerd Bodner [3], Oskar C. Aszmann [1,2]
[1] Christian Doppler Laboratory for Restoration of Extremity Function, Medical University of Vienna, Austria; [2] Division of Plastic and Reconstructive Surgery, Department of Surgery, Medical University of Vienna, Austria; [3] Private Ultrasound Center Vienna (PUC), Austria

A-0499 Radial to Brachioradialis Nerve Transfer, Dose It Improve Elbow Function In Upper Brachialis Plexus Injuries?
Reza Sh. Kamrani [1,2]
[1] Tehran University of Medical Sciences; [2] Joint Reconstruction Research Center of TUMS

A-0691 Nerve transfer for restoring pinch strength in high median nerve injuries
Margarita Kateva [1], Kalin Angelov [1], Nikola Simeonov [2]
[1] UMHAT "Sofiamed" - Department of Orthopedics, Traumatology, Hand Surgery and Reconstructive Surgery, Sofia, Bulgaria; [2] SU "St. Kliment Ohridski" - Faculty of Medicine, Sofia, Bulgaria

A-0226 Risk factors and results of operative treatment of persistent brachial plexus injury caused by shoulder dislocation
Olga Gutkowska, Jacek Martynkiewicz, Jerzy Gosk
Clinical Department of Traumatology and Hand Surgery, Wrocław University Hospital, Wrocław, Poland

Lectures 6

S59
Joseph J. Dias
Guillaume Herzberg
Frédéric Schuind

Saturday, 16 June 2018 | 09:00 - 10:00 | Carstensen

A-1133 Report on the SWIFFT Study
Joseph J. Dias
Leicester, UK

A-1134 A new Perspective on Acute Distal Radius Fractures
Guillaume Herzberg
France

A-1135 Non-Operative Modern Treatment of Distal Radius Fractures
Frédéric Schuind
Brussels, Belgium

Finger Tip and Other Reconstructions

S62 Free paper session

Saturday, 16 June 2018 | 09:00 - 10:00 | Pjerrot

A-0651 Reconstructive surgery of gunshot and explosive wounds of the upper limb
Alexander Sukharev, Fiodorov Konstantin,Yazerski Konstantin, Kheylick Serhey
432 Chief Military Clinical Medical Center, Belarus

A-0104 The double thenar flap for two adjacent fingertip amputations
Ji Sup Kim [1], Hyun Sik Park, Jong-Ick Whang, Ho Jung Kang [2]
[1] Department of Orthopedic Surgery, International St. Mary's Hospital, Catholic-Kwandong University, Incheon, South Korea; [2] Department of Orthopedic Surgery, Yonsei University College of Medicine, Seoul, South Korea

A-0778 Single or Double V-flap over a direct-flow homodigital island flap: an alternative technique for volar fingertip injuries of long fingers
Thomas Jager, João Paulo Mussi
Institut Européen de la Main, France

A-0836 A systematic review of dressing outcomes after fingertip injuries
Eva O'Grady, Ojas Pujji, Jill Webb
Queen Elizabeth Hospital, UK

A-0662 Therapy of fingertip injuries: The semi-occlusive dressing as an alternative option to local skin flaps
Stefan Quadlbauer [1,2,3], Christoph Pezzei [1], Josef Jurkowitsch [1], Tina Keuchel [1], Thomas Beer [1], Thomas Hausner [1,2,3], Martin Leixnering [1]
[1] AUVA Trauma Hospital Lorenz Böhler, European Hand Trauma Center, Vienna, Austria; [2] Ludwig Boltzmann Institute for Experimental und Clinical Traumatology, AUVA Research Center, Vienna, Austria; [3] Austrian Cluster for Tissue Regeneration, Austria

A-1030 Non-operative management of fingertip injuries with the IV3000 dressing
Adil Khan, Kaz Nassar, Daniel Jordan, Fiona Hogg, Stuart Waterston
Ninewells Hospital (NHS Tayside), Dundee, UK

A-0545 fingertip reconstruction with occlusive dressing: clinical results and biological analysis of the dressing content's
Isabelle Pluvy, Daniel lepage, Marie Panouillères, Damien Feuvrier, Laurent Obert, Francois Loisel
Orthopedic, Traumatology and Hand Surgery Unit; University Hospital CHRU Besancon, France; Research Unit : Nano Medicine, Medical School - University of Bourgogne, Franche Comte, France

A-0030 Surgical treatment for polydigit amputation: A retrospective analysis of the clinical results
Yasunori Kaneshiro [1], Koichi Yano [1], Kiyohito Takamatsu [2], Noriaki Hidaka [3]
[1] Seikeikai Hopital, Sakai, Japan; [2] Yodogawa Christian Hospital; [3] Osaka City General Hospital

SL- and LT-Lig Lesions

S71
Saturday, 16 June 2018 | 09:15 - 10:00 | Main Hall
Moderators: Guillaume Herzberg (France), Eva-Maria Baur (Germany)

A-1249 Arthroscopic reduction and treatment of perilunate dislocation
Liu Bo
China

A-1250 My treatment for acute SL lig lesions
Nicole Schmelzer-Schmied
Switzerland

A-1251 Arthroscopic assisted reconstruction of SL lig
Pedro Delgado
Spain

A-1252 Arthroscopic assisted reconstruction of LT lig
Jan Ragnar Haugstvedt
Norway

A-1253 Early mobilization and ligament instability
Max Haerle
Germany

Scaphoid fractures

S64
Saturday, 16 June 2018 | 10:30 - 11:00 | Main Hall
Moderators: Peter Jörgsholm (Denmark), Martin Caloia (Argentina)

A-1254 Diagnosing scaphoid fractures. The role of arthroscopy
Peter Jörgsholm
Denmark

A-1255 Challenging situations in scaphoid fractures
Jeff Ecker
Australia

A-1256 Pins or Screws? Antegrade or Retrograde?
Gregory Bain
Australia

A-1257 Scscaphoid non-unions. How I do it.
Martin Caloia
Argentina

Distal Radius Fractures

S65 Free paper session

Saturday, 16 June 2018 | 10:30 - 12:00 | Carstensen

A-1083 Management of distal radius and ulnar fractures: ORIF versus External fixation of distal ulna
JC Messina, F Palumbo, V Pedrini, U Dacatra, P Del Bò, S Odella, F Torretta, P Tos
Hand Surgery and Reconstructive Microsurgery Unit, Gaetano Pini Orthopaedic Institute-CTO, Milan, Italy

A-0769 Quantifying the positioning error of 3D printed patient-specific surgical guides for the radius.
G. Caiti [1], J.G.G. Dobbe [1], G.J. Strijkers [1], S.D. Strackee [2], G.J. Streekstra [1]
[1] Department of Biomedical Engineering and Physics, Academic Medical Center, University of Amsterdam, Amsterdam, The Netherlands; [2] Department of Plastic, Reconstructive and Hand Surgery, Academic Medical Center, University of Amsterdam, Amsterdam, The Netherlands

A-1038 Injuries of the Soft Tissues in Intra-articular Distal Radius Fractures. Arthroscopic Assessment and Correlation with Various Fracture Classes.
Steven Roulet [1,2], Ludovic Ardouin [1], Marc Leroy [1]
[1] Clinique Jeanne-d'Arc, Hand Institute Nantes Atlantique, Nantes, France; [2] Medical University François Rabelais of Tours, Tours, France

A-0094 Volar lunate facet - secondary dislocation after distal radius plate fixation: correction options, salvage procedures
Christoph Pezzei, Stefan Quadelbauer, Martin Leixnering
AUVA, Lorenz Böhler Trauma Center, Vienna

A-0420 Limitations of fixation with single volar locking plates in marginal fractures of the distal radius
Hidemasa Yoneda, Shigeru Kurimoto, Katsuyuki Iwatsuki, Michiro Yamamoto, Masahiro Tatebe, Hitoshi Hirata
Department of Hand Surgery, Nagoya University, Nagoya, Japan

A-0468 Immediate Rehabilitation after distal radius fractures stabilized by volar locking plate – a prospective randomized trial
Stefan Quadlbauer [1,2,3], Christoph Pezzei [1], Josef Jurkowitsch [1], Tina Keuchel [1], Thomas Beer [1], Thomas Hausner [1,2,3], Martin Leixnering [1]
[1] AUVA Trauma Hospital Lorenz Böhler - European Hand Trauma Center, Vienna, Austria; [2] Ludwig Boltzmann Institute for Experimental und Clinical Traumatology, AUVA Research Center, Vienna, Austria; [3] Austrian Cluster for Tissue Regeneration, Austria

A-0089 A systematic review of volar locking plate removal after distal radius fracture
Michiro Yamamoto, Yuki Fujihara, Nasa Fujihara, Hitoshi Hirata
Nagoya University, Nagoya, Japan

A-0036 Predictive factors for flexor pollicis longus crepitus after volar locking plate fixation for intra-articular fractures of the distal radius: a retrospective comparative study.
Wakasugi Takuma [1,2], Saito Kenta [1,2], Takeda Hideyuki [2], Suzuki Hidetsugu [3], Saito Asami [2]
[1] Department of Hand Surgery, Konan Hospital, Ibaraki, Japan; [2] Department of Orthopedic Surgery, Konan Hospital, Ibaraki, Japan; [3] Department of Orthopedic Surgery, Tsuchiura Kyodo General Hospital, Ibaraki Japan

A-0122 Volar plate fixation versus plaster in displaced extra-articular distal radius fractures: a multicentre randomised controlled trial
Marjolein Mulders [1], Monique Walenkamp [1], Susan van Dieren [1], Peter Leenhouts [1], Jasper Winkelhagen [2], Bas Twigt [3], Egbert Jan Verleisdonk [4], Percy van Eerten [5], Jan Bernard Sintenie [6], Carel Goslings [1], Niels Schep [7]
[1] Academic Medical Center, Amsterdam, The Netherlands; [2] Westfriesgasthuis, Hoorn, The Netherlands; [3] BovenIJ Hospital, Amsterdam, The Netherlands; [4] Diakonessenhuis, Utrecht, The Netherlands; [5] Maxima Medical Center, Veldhoven, The Netherlands; [6] Elkerliek Hospital, Helmond, The Netherlands; [7] Maasstad Hospital, Rotterdam, The Netherlands

A-0413 Distal radius non union - a chalenging problem
Kebrle Radek [1], Alena Schmoranzova [1], Vodicka Zdenek [2]
[1] UPCHR Vysoke nad Jizerou, Czech Republic; [2] Ortopedicke oddeleni, Nemocnice Ceske Budejovice, Czech Republic

Lecture 7

S66
Luc De Smet

Saturday, 16 June 2018 | 10:30 - 10:50 | Lumbye

A-1136 Personal Experience with Index Pollicization
Luc De Smet
Belgium

Skin Reconstruction

S68 Free paper session

Saturday, 16 June 2018 | 10:30 - 11:00 | Pjerrot

A-0435 Retrograde free venous flap for the reconstruction of the hand: report on 16 large flaps for the dorsum of the hand
Thomas Giesen, David Jann, Olga Politikou, Pietro Giovanoli, Maurizio Calcagni
Division of Plastic Surgery and Hand Surgery, University Hospital Zurich, Zurich, Switzerland

A-0791 Multiple intermetacarpal perforators flap for dorsal long fingers reconstruction: an anatomical study and clinical applications
Regina Sonda, Andrea Monticelli, Franco Bassetto, Cesare Tiengo
Clinic of Plastic Surgery, Padova, Italy

A-0165 The use of dermal substitute Matriderm® and autologous skin grafting in the treatment of soft tissue defects with exposed tendon and bone
Jikang Park, Sangwoo Kang, Jungkwon Cha
Chungbuk National University Hospital, Cheongju, South Korea

Nerve and Brachial Plexus

S70 Free paper session

Saturday, 16 June 2018 | 10:30 - 12:00 | Arkaden 8

A-0042 Botulinum toxin in treatment of patients with obstetrical brachial plexus palsy sequellae
Nikita Khusainov, Margarita Savina, Evgeniya Kochenova
Turner Scientific Research Institute for Pediatric Orthopedics, Saint-petersburg, Russia

A-0301 Humeral suspension improves flail shoulder conditions in traumatic brachial plexus palsy
Rudolf Rosenauer [1,2,3], Hanno Millesi [1], Robert Schmidhammer [1,3]
[1] Millesi Center, Vienna, Austria; [2] Trauma Hospital Lorenz Böhler of the Austrian Workers' Compensation Board (AUVA), Vienna, Austria; [3] Austrian Cluster of Tissue Regeneration and Ludwig Boltzmann Institute for Experimental and Clinical Traumatology at the Research Centre for Traumatology of the Austrian Workers' Compensation Board (AUVA), Vienna, Austria; Vienna Private Clinic, Vienna, Austria

A-0612 Glenohumeral Fusion in adults with sequelae of obstetric brachial plexus palsy: A Report of 8 Cases
Amar Belkacem Djeffel [1], Adeline Cambon-Binder [2], Zoubir Belkheyar [3]
[1] Public Hospital Djelfa, Algeria; [2] Saint Antoine Hospital Paris, France; [3] Mont Louis Clinic Paris, France

A-0319 Neuroma prevention with NEUROCAP® in a rat sciatic nerve model
Steven L Peterson [1], Harm de Vries [2], Hilde Geraedts [2], Michael J Wheatley [3]
[1] Porland Veterans Affairs Medical Center, Portland, USA; [2] Polyganics B.V., Groningen, the Netherlands; [3] Kaiser Permanente, Portland, USA

A-0773 Early sensory re-learning improves sensory outcome even in a long-term perspective: an RCT with 7-years follow-up
Pernilla Vikström, Birgitta Rosén, Ingela Carlsson, Anders Björkman
Department of Hand Surgery, Lund University, Malmö, Sweden

A-1093 Shoulder partial denervation: anatomical study of the feasibility and surgical perspectives
Laurent Bourcheix [1,2], Charles Schlur [2], Patrick Houvet [2]
[1] École de Chirurgie du Fer à Moulin, Paris, France; [2] Institut Français de Chirurgie de la Main, Paris, France

A-0246 Treatment and survival differences across tumor sites in malignant peripheral nerve sheath tumors: a SEER database analysis
Enrico Martin [1,2], Ivo S. Muskens [1,2], Timothy R. Smith [2], Marike L.D. Broekman [1,2]
[1] University Medical Center Utrecht, The Netherlands; [2] Brigham & Women's Hospital, Boston, Massachusetts, USA

A-1079 Interactive Mobile Training App after Nerve Transfer or Amputation of the Upper Extremity
Cosima Prahm, Eric Mörth, Agnes Sturma, Oskar Aszmann
Medical University of Vienna, Austria

A-1077 Global brachial plexopathy: High-level upper limb amputation and prosthetic rehabilitation after surgical improvement of the biotechnological interface
Laura A. Hruby [1], Agnes Sturma [1], Johannes Mayer [1], Stefan Salminger [2], Anna Pittermann [3], Oskar C. Aszmann [1,2]
[1] Christian Doppler Laboratory for Restoration of Extremity function; [2] Division of Plastic and Reconstructive Surgery, Department of Surgery, Medical University of Vienna; [3] Department of Psychology, General Hospital of Vienna

A-1080 Long-term Implant of Intramuscular Sensors and Targeted Muscle Reinnervation for Natural Wireless Control of Prosthetic Arms in Above Elbow Amputees: A Prospective Case Series
Stefan Salminger [1,2], Agnes Sturma [2,3], Christian Hofer [2,4], Melissa Evangelista [5], Mike Perrin [5], Konstantin D Bergmeister [2], Aidan D Roche [2,6], Timothy Hasenoehrl [3], Hans Dietl [4], Dario Farina [7], Oskar C Aszmann [1,2]
[1] Division of Plastic and Reconstructive Surgery, Department of Surgery, Medical University of Vienna, Austria [2] Christian Doppler Laboratory for Restoration of Extremity Function, Medical University of Vienna, Austria [3] Department of Physical Medicine and Rehabilitation, Medical University of Vienna, Austria [4] Otto Bock Healthcare Products GmbH, Vienna, Austria [5] Alfred Mann Foundation, California, United States [6] Department of Plastic Surgery, Southmead Hospital, North Bristol NHS Trust, United Kingdom [7] Department of Bioengineering, Imperial College London, London, UK

A-1067 Intraneural Electrodes in Bionic Hand Reconstruction and their Effects on Nerve and Muscle Architecture
Martin Aman [1,2], Matthias E Sporer [1,2], Christopher Festin [1], Martin Schmoll [3], Hermann Lanmüller [3], Krisztina Manzano-Szalai [1], Anna Willensdorfer [1], Roman Ruff [4], Klaus P Hoffmann [4], Michael F Russold [5], Christian Hofer [5], Oskar C Aszmann [1,6]
[1] CD Laboratory for Extremity Reconstruction, Department of Surgery, Medical University Vienna, Austria; [2] Department of Biomedical Research, Medical University Vienna, Austria; [3] Department of Medical Physics and Biomedical Engineering, Medical University Vienna, Austria; [4] Fraunhofer Institut, St Ingbert, Germany; [5] Otto Bock Healthcare Products GmbH, Vienna, Austria; [6] Department of Plastic and Reconstructive Surgery, Department of Surgery, Medical University Vienna, Austria

Congenital/pediatrics

S67 Free paper session

Saturday, 16 June 2018 | 10:50 - 12:00 | Lumbye

A-0993 Polydactyly: putting together development, evolution and pathologies
Bríd Crowley [1], Rui Diogo [2], Victoria Lockwood [3], Lucie Wright [1], Lisa Ng [1], Susan Stevenson [1]
[1] Department of Plastic and Reconstructive Surgery, The Newcastle upon Tyne Hospitals NHS Foundation Trust, Newcastle upon Tyne, UK; [2] Department of Anatomy, Howard University Medical School, Washington DC, USA; [3] Center for the Advanced Study of Human Paleobiology, Department of Anthropology, The George Washington University, Washington, DC, USA

A-0656 The Extensor Mechanism in Radial Polydactyly: anatomical findings and anatomical treatment at primary surgery
J Maraka, HL Stark, S Stevenson, B Crowley
Royal Victoria Infirmary, Newcastle-upon-Tyne, UK

A-1104 A palmar bilobed flap for the correction of radial dysplasia
Ciara Deall Roisin Dolan Henk Giele
Oxford University Hospitals NHS Trust, UK

A-0203 Oligodactyly with Thumb
Yo Han Lee, Jihyeung Kim, Hyun Sik Seok, Hyun Sik Gong, Kee Jeong Bae, Goo Hyun Baek
Seoul National University, Seoul, South Korea

A-0999 Poor surgical outcomes in camptodactyly correction using total anterior teno-arthrolysis or osteotomies
Michelle C L Baker, Roisin T Dolan, Henk P Giele
Department of Plastic and Reconstructive Surgery, Oxford University Hospitals NHS Trusts, Oxford, UK

A-0764 Finger and hand injuries in a pediatric emergency department - a 17 month review from a Swiss tertiary hospital
Carsten Surke [1], Michael Künzli [2], Esther Vögelin [1], Ruth Löllgen [2]
[1] Department of Plastic and Hand Surgery, Inselspital, University Hospital Bern, University of Bern, Switzerland; [2] Paediatric Emergency Department, Inselspital, University Hospital Bern, University of Bern, Switzerland

A-0198 The adequacy of emergency room (ER) and urgent care center (UCC) radiographs for pediatric upper extremity injuries
Eric Marguiles [1], Alexandria L. Case [1], Karan Dua [2], Nathan O'Hara [1], Joshua M. Abzug [1]
[1] University of Maryland School of Medicine, Baltimore, Maryland, USA; [2] SUNY Downstate Medical Center, Brooklyn, New York, USA

A-0191 Ossification of the proximal and middle phalangeal condyles: a radiographic aid for phalangeal neck fracture reduction
Karan Dua [1], Nathan O'Hara [2], Igor Shusterman [2], Joshua M. Abzug [2]
[1] SUNY Downstate Medical Center, Brooklyn, New York, USA; [2] University of Maryland School of Medicine, Baltimore, Maryland, USA

A-0186 Assessment of differences regarding the management of pediatric supracondylar humerus fractures between hand and pediatric orthopaedic surgeons
Thao Nguyen, Alexandria L. Case, Xiaomao Zhu, Raymond A. Pensy, W. Andrew Eglseder, Joshua M. Abzug
University of Maryland School of Medicine, Baltimore, Maryland, USA

Finger fractures

S72

Saturday, 16 June 2018 | 11:00 - 11:35 | Main Hall

Moderators: Tyson Cobb (USA), Cheong Ho (Hong Kong)

A-1258 The role of arthroscopy in small joint fractures
Pak Cheong Ho
Hong Kong

A-1259 CMC joint; Fragment manipulation and reduction. Tips and trics
Tyson Cobb
USA

A-1260 MP joint fractures. Is there a role for arthroscopy? Tips and trics
Alejandro Badia
USA

Hand Surgery in Brazil

S69 Symposium

Saturday, 16 June 2018 | 11:00 - 12:00 | Pjerrot

A-1196 Brazilian Hand Society. History and Future
Marcelo Rosa de Rezende
Brazil

A-1197 Vascularized Nerve Graft in Brachial Plexus Injury
Mário Yoshihide Kuwae
Brazil

A-1198 Complications Following Fixation of Distal Radius Fracture With a Palmar Locking-Plate
Antonio Carlos da Costa
Brazil

A-1199 The carpal tunnel syndrome clinical research in the Universidade Federal de São Paulo, Brazil
Carlos Henrique Fernandes
Brazil

A-1200 The Stability of Intra-articular Distal Radius Fractures using Volar Locking Plates with Unicortical and Bicortical Screws
Antonio Tufi Neder Filho
Brazil

A-1201 Rigid fixation after vascularized bone graft for scaphoid nonunion
Paulo Henrique Ruschel
Brazil

A-1202 Toe Transfer for Hand Reconstruction
Teng Hsiang Wei
Brazil

EWAS Closing Session

S73

Saturday, 16 June 2018 | 11:35 - 12:00 | Main Hall

Moderators: Gustavo Mantovani (Brazil), Jan Ragnar Haugstvedt (Norway)

A-1261 Presentations by the EWAS Junior Grant winners
Gustavo Mantovani
Brazil

A-1262 Introduction of Whipple Prize winner

Jan Ragnar Haugstvedt
Norway

A-1263 Closing
Gustavo Mantovani
Brazil

E-Poster Session

EPOSTER Free paper session

A-0002 PNEUMANUS, a new device in the treatment of finger contractures
A. F. Klenner [1], K. Klenner [2]
[1] Clinics St. Barbara, Hamm, Germany [2] Mariannen Hospital, Werl, Germany

A-0004 Minimally Invasive Abductorplasty with Endoscopic Carpal Tunnel Release for Severe Carpal Tunnel Syndrome.
Sze-Ryn Chung, Robert Yap Tze-Jin, Andrew Yam Kean Tuck
Department of Hand Surgery, Singapore General Hospital

A-0005 The modified lateral surgical approach of the elbow
Bertille Charruau, Steven Roulet, Jacky Laulan
CHRU , Service de Chirurgie Orthopédique et Traumatologique, Tours, France

A-0006 Evidence based study to evaluate effects of conservative and operative treatment for carpal tunnel syndrome by MRI and evolve a Management protocol
Vivek Goswami, S D Pandey
Vivekananda Polyclinic and Institute of Medical Sciences, Lucknow (UP), India

A-0009 Reduction of Delayed Presented Maluniting Fracture Both Bones Forearm in a Young Child Using Jess Fixator – An Innovative Technique
Neeraj Godara, Monica Chahar, Jatin Godara, Praveen Pandey
ESI-PGIMSR, New Delhi, India

A-0010 Complete Complex Type-4 Syndactyly of All Digits with ASD (L>R) : A Rare Case Report
Neeraj Godara, Monica Chahar, Jatin Godara
ESI-PGIMSR, New Delhi, India

A-0013 Osteogenic exostosis of the capitate. Fifth case reported
Isidro Jiménez, Beatriz Romero Pérez, Dimosthenis Kiimetoglou, Juan Sánchez Hernández, Jonathan Caballero, Gustavo Muratore, Alberto Marcos-García, José Medina
Hospital Universitario Insular de Gran Canaria, Las Palmas de Gran Canaria, Spain

A-0015 Perihamate peripisiform and peritrapezium open axial carpal dislocation associated with Morel-Lavallée type cutaneous detachment: Description of a new pattern of crush injury with four years of follow-up.
Isidro Jiménez [1], Martine Dury [2], José Medina [1]
[1] Hospital Universitario Insular de Gran Canaria, Las Palmas de Gran Canaria, Spain; [2] Chirurgie de la Main, SOS Main Strasbourg. Rhéna Clinique de Strasbourg, Strasbourg, France

A-0016 Medium-term assessment of the management of Dupuytren's disease by regional selective fasciectomy
Karim Latrach Tlemsani, Teka Maher, Sabeur Saadi, Hamza Kefi, Yadh Zitoun, Faouzi Abid
University Hospital of Mahdia, Tunisia

A-0353 Reduction and Intraarticular reconstruction in distal radius fractures. Is possible to reduce surgical dorsal approach? Volar "extended" approach
Giancarlo Caruso, Laura Martini, Lorenzo Preziuso, Andrea Vitali
Palagi Hospital, Hand Surgery Unit, Florence, Italy

A-0025 Management of ulnar nerve entrapment at the elbow with anterior subcutaneous transposition
Karim Latrach Tlemsani, Sabeur Saadi, Khezami Mounira, Rafrafi Abderrazak, Lotfi Nouisri
The Main Training Military Hospital Tunis, Tunisia

A-0026 Denervation for proximal interphalangeal joint osteoarthritis. A simple and effective procedure.
Isidro Jiménez, Alberto Marcos-García, Gustavo Muratore, Jonathan Caballero-Martel, José Medina
Hospital Universitario Insular de Gran Canaria, Las Palmas de Gran Canaria, Spain

A-0063 Long-term outcomes after deltoid muscle flap reconstruction for massive cuff rotators tears

Karim Latrach Tlemsani, Hamza Kefi, Sabeur Saadi, Khalil Amri, Mounira Khezami, Lotfi Nouisri
The Main Training Military Hospital Tunis, Tunisia

A-0354 Management of acute fracture-dislocations of PIP joint: a systematic review
Anca Breahna [1], Anuj Mishra [2], Jill Arrowsmith [3], Tommy Lindau [3]
[1] Countess of Chester Hospital NHS Foundation Trust, UK; [2] University Hospitals of South Manchester, UK; [3] Pulvertaft Hand Centre, Derby, UK

A-0031 Wrist inflammation: A retrospective comparison between septic arthritis and non-septic arthritis
Gavrielle Kang [1], Mabel Leow [2], Tay Shian Chao [2]
[1] Tan Tock Seng Hospital, Singapore; [2] Singapore General Hospital, Singapore

A-0032 Trigger Thumb After Carpal Tunnel Release
Ronit Wollstein, Duffield Ashmead, Lois Carlson,Haruko Okada, Jonathan Macknin, Steven Vantler Naalt
[1] New York University, NY, USA: [2] The Hand Center, CT, USA

A-0355 Danger zones for nerve injuries in percutaneous needle fasciotomy
Luca Lancerotto, Chris Garrard, Dominique Davidson
Edinburgh Hand Unit, Department of Plastic Surgery, NHS Lothian, UK

A-0040 A case of a conservatively treated patient with Dieterich-Mauclaire's disease with a follow-up of 8 years.
Yannick Goubau [1,2], Bart Berghs [1], Bert Vanmierlo [1], Francis Bonte [1], Chul Ki Goorens [3], Jean Goubau [1,3]
[1] AZ Sint-Jan Brugge, Belgium; [2] ASZ Aalst, Belgium; [3] UZ Brussel, Belgium

A-0046 Microgeodic disease -a case report-
Kazuya Tajiri, Shinichi Yagishita, Hiroyuki Nakanishi, Yu Hatuchi, Daiyu Tsuji, Yuki Hagihara
Municipal Tsuruga Hospital, Tsuruga, Japan

A-0048 10-year follow-up of delayed nerve transfers following revascularisation of a traumatic 'floating' shoulder: a case report.
Hari Venkatramani [1], Nicholas G Rabey [2], Praveen Bhardwaj [1], Raja S Sabapathy [1]
[1] Ganga Hospital, Coimbatore, India; [2] John Radcliffe Hospital, Oxford, UK

A-0050 Case Report: The bifid reversed palmaris longus muscle, an extremely rare cause of median nerve compression in a child
Samuel George [1,2], Zahid Hassan [1,2]
[1] Whiston Hospital, Liverpool, UK; [2] Alder Hey Children's Hospital, Liverpool, UK

A-0051 An anomalous accessory flexor digitorum profundus muscle to the ring finger originating from the flexor pollicis longus tendon: A case report
Samuel George [1,2], Paul McArthur [1,2]
[1] Whiston Hospital, Liverpool, UK; [2] Alder Hey Children's Hospital, Liverpool, UK

A-0052 A retrospective study analysing surgically treated Digital Mucous Cysts (DMC) with comparison of practice between orthopaedic and plastic surgeons
Clara Vella, Samuel George, Zahid Hassan
Whiston Hospital, Liverpool, UK

A-0053 The neurovascular V-Y advancement flap. A novel technique to bridge digital nerve defects up to 1.5 centimetres.
Lucy Homer, Samuel George, Irfan Khan
Whiston Hospital, Liverpool, UK

A-0054 Staged reconstruction of composite defects of the hand dorsum using ALT free flap and free tendon graft
Young Ran Jung, Young Keun Lee, Tae Gyun Kim, Jun Mo Lee
Department of Orthopedic Surgery, Chonbuk National University Hospital, Jeonju, South Korea

A-0055 Antegrade metacarpal intramedullary nailing using K-wire for the treatment of metacarpal fracture
Young Ran Jung, Young Keun Lee, Tae Gyun Kim, Jun Mo Lee
Department of Orthopedic Surgery, Chonbuk National University Hospital, Jeonju, South Korea

A-0056 Dupuytren's disease in an 16 year-old – case report.
Ireneusz Walaszek [1], Elżbieta Gawrych [2], Justyna Rajewska-Majchrzak [2], Karolina Rosołowicz [1]
[1] Department of General and Hand Surgery Pomeranian Medical University, Szczecin, Poland; [2] Department Of Pediatric Surgery and Oncology Pomeranian Medical University, Szczecin, Poland

A-0058 Secondary Prevention of Fragility Fractures Following Distal Radius Fractures by a multidisciplinary clinic
Ronit Wollstein [1,2], Yotam Shuali Cohen [2], Miri Steier [3], Nariman Hazan [3], Nofar Ben Basat [2], Raviv Allon [2]
New York University, Department Of Orthopedic Surgery, USA [2] Technion Israel Institute of Technology School of Medicine, Israel; [3] Lin Medical Center, Israel

A-0059 Arteriovenous malformations of the upper limb: management of the regional complications: report of 3 severe recurrent cases
Florence Vigouroux Guillet [1], Adeline Cambon Binder [2], Pierre Sylvain Marcheix [3], Zoubir Belkheyar [4]
[1] French military Hospital Desgenettes Lyon; [2] Hôpital Saint Antoine Paris; [3] Centre hospitalo universitaire Limoges; [4] Clinique de Montlouis Paris

A-0061 Median nerve fibrolipoma. A case report
L Madero de la Fuente, JJ Correa Gámiz, M D Izquierdo Santos, E Peñalver Romero
Hospital Virgen de la Luz, Cuenca, Spain

A-0064 Have We Found the Optimal Screening Tool for Fragility Fractures? A Review and Meta-analysis
Ronit Wollstein [1,2], Yahav Levy [1], Raviv Allon [1], Idit Lavi [3], Aviv Kramer [1]
[1] Technion, Israel Institute of Technology, Haifa Israel; [2] New York University, NY NY USA; [3]Department of Community Medicine and Epidemiology, Carmel Medical Center, Israel

A-0065 Congenital cleft forearm complex
Markus Pääkkönen [1], Max Mann [2], Wiebke Hülsemann [2]
[1] Turku University Hospital and the University of Turku, Turku, Finland; [2] Catholic Children's Hospital Wilhelmstift, Hamburg, Germany

A-0068 Orthosis Treatment in Dupuytren´s Disease
Sonja Elisabeth Pelzmann
Institute for Physical Medicine and Rehabilitation, Wilhelminenspital, Vienna, Austria

A-0069 The Zitelli bilobed flap on skin coverage after mucous cyst excision. A consecutive series of 33 cases
Isidro Jiménez [1], Pedro J. Delgado [2], Ricardo Kaempf de Oliveira [3]
[1] Hospital Universitario Insular de Gran Canaria, Las Palmas de Gran Canaria, Spain; [2] Hospital Universitario HM Montepríncipe, Madrid, Spain; [3] Instituto da Mão, Complexo Hospitalar Santa Casa and Hospital Mãe de Deus, Porto Alegre, Brazil

A-0071 Use of the Roof of the Cubital Tunnel as a Ligamentofascial Sling during Anterior Ulnar Nerve Transposition
Takakazu Hirayama, Masaaki Shindo
Department of Orthopedic Surgery, Shindo Hospital, Asahikawa City, Hokkaido, Japan

A-0073 Reverse Sauvé-Kapandji procedure in the treatment of type III proximal radioulnar synostosis
Isidro Jiménez, Pedro J. Delgado
Hospital Universitario HM Montepríncipe, Madrid, Spain

A-0074 Symmetrical peripheral gangrene after sepsis treatment with inotropes: 2 cases
P. Martínez-Galarza [1], A. Toro-Aguilera [1], V. Arcediano [2], H. Alfaro [3], M. Pascasio [4], E. Povedano [5], I. Dot [6]
[1] Hand and wrist unit, Fundació Sanitària Mollet, Barcelona, Spain; [2] Vascular Surgery Department, Fundació Sanitària Mollet, Barcelona, Spain; [3] Socio-Sanitary Hospital, Fundació Sanitària Mollet, Barcelona, Spain; [4] Physical Therapy Department, Fundació Sanitària Mollet, Barcelona, Spain; [5] Occupational Therapist, Hospital Sant Joan de Deu, Barcelona, Spain; [6] Intensive Care Unit, Hospital del Mar, Barcelona, Spain

A-0356 How to avoid complications on the distal radioulnar joint following palmar plating of unstable distal radius fractures
Johannes Rois
Trauma Center Vienna Meidling, Austria

A-0077 A pilot study comparing dressings following fingertip injury
Ojas Pujji, Eva O'Grady, Dominic Power, Jill Webb
The Hand Plastic Peripheral Nerve Group, Birmingham, UK

A-0078 Ulnar shortening osteotomy. Short term results on 20 patients using a new compression device
Aurélie Iniesta [1,2], André Gay [1,2], Caroline Curvale [2], Didier Guinard [2], Régis legre [2]
[1] Institut de la main et du membre supérieur, Marseille, France; [2]Hôpital de la Timone, Marseille, France

A-0079 The mental health implications of obstetric brachial plexus injuries (OBPI) on parents
Karan Dua [1], Catherine Miller [2], Joshua M Abzug [3]
[1] SUNY Downstate Medical Center, Brooklyn, USA; [2] University of Maryland Medical Center, Baltimore, USA; [3] University of Maryland School of Medicine, Baltimore, USA

A-0081 Transphyseal humeral separations: What can we learn?
Arun Hariharan [1], Christine Ho [2], Andrea Bauer [3], Charles Mehlman [4], Nathan O'Hara [1], Paul Sponseller [5], Joshua M. Abzug [6]
[1] University of Maryland Orthopaedic Associates, Baltimore, USA; [2] Texas Scottish Rite Hospital for Children, Texas City, USA; [3] Boston Children's Hospital, Boston, USA; [4] Cincinnati Children's Hospital Medical Center, Cincinnati, USA; [5] John's Hopkins Hospital, Baltimore, USA; [6] University of Maryland School of Medicine, Baltimore, USA

A-0083 Cost analysis of percutaneous pinning procedure of supracondylar humerus fractures between tertiary care centers and community hospitals
Guiliana Rotunno [1], Mark Shasti [2], Alexandria L Case [1], Joshua M Abzug [1]
[1] University of Maryland School of Medicine, Baltimore, USA; [2] University of Maryland Orthopaedic Associates, Baltimore, USA

A-0084 Assessment of current epidemiology and risk factors surrounding brachial plexus birth palsy
Joshua M Abzug [1], Charles Mehlman [2], Jun Ying [3]
[1] University of Maryland School of Medicine, Baltimore, USA; [2] Cincinnati Children's Hospital Medical Center, Cincinnati, USA; [3] University of Cincinnati College of Medicine, Cincinnati, USA

A-0184 Pediatric upper extremity emergency room transfers: are they warranted?

Xuyang Song, Alexandria L. Case, Rory Carrol, Joshua M. Abzug
University of Maryland School of Medicine, Baltimore, Maryland, USA

A-0090 Mid-term outcomes of scaphoid nonunion surgery
Karim Latrach Tlemsani, Sabeur Saadi, Khezami Mounira, Rafrafi Abderrazak, Lotfi Nouisri
The Main Training Military Hospital Tunis, Tunisia

A-0091 Pedicled Adipofascial Flap for Anterior Transposition of the Ulnar Nerve: A Single Institution Retrospective Outcomes Report
Steven M. Koehler, Ronnie L. Shammas, Fraser J. Leversedge
Department of Orthopaedic Surgery, Duke University, Durham, NC, USA

A-0093 Anatomical Considerations for Endoscopic Carpal Tunnel Release in Distal Radius Fractures
Amaris Lim, Dawn Chia
Hand and Microsurgery Section, Department of Orthopaedics, Tan Tock Seng Hospital, Singapore

A-0096 Pisotriquetral osteoarthritis with carpal collapse
Marion Mühldorfer-Fodor, Mark Immler, Jörg van Schoonhoven, Karl Prommersberger
Clinic for Hand Surgery, Rhön-Klinikum AG, Bad Neustadt a.d. Saale, Germany

A-0097 Fracture dislocations of the elbow. Talking about Transolecranon type
Gonzalo Luengo Alonso, Leandro Ramos Ramos, Veronica Jimenez Diaz, Miguel Angel Porras Moreno, David Cecilia Lopez, Lorena Garcia Lamas
Hospital 12 de octubre , Madrid, Spain

A-0100 The creation of a Tetraplegia Hand Surgery Service in Cyprus
Constantinos Kritiotis [1,2], Jan Friden [3], Sabrina Koch-Burner [3], Christiana Fakonti [4]
[1] Manchester Hand Centre, Salford Royal NHS Foundation Trust, Manchester, UK; [2] Iasis Private Hospital, Paphos, Cyprus; [3] Swiss Paraplegic Centre, Nottwil, Switzerland; [4] Paraplegic Department, Nicosia General Hospital, Nicosia, Cyprus

A-0101 Radial Head Arthroplasty In Different Patterns Of Instability
Ana M. Far-Riera, Carlos Perez-Uribarri, Matias Esteras Serrano, José María Rapariz Gonzalez
Hospital Son Llatzer, Palma De Mallorca, Spain

A-0103 Atraumatic, Isolated Volar Compartment Syndrome of the Forearm in a patient with Multiple Myeloma: a Case report and review
Ebenezer Francis O. Arthur, Rupesh Man Sherchan, Giselle Marie Noelle T. Gabriel
Department of Orthopaedics, Makati Medical Center, Makati City, Philippines

A-0106 Lateral para-olecranon approach for the intra-articular distal humeral fracture
Takuji Iwamoto, Tsuyoshi Amemiya, Taku Suzuki, Satoshi Oki, Noboru Matsumura, Kazuki Sato
Department of Orthopaedic Surgery, Keio University School of Medicine, Tokyo, Japan

A-0112 Scaphoid Fractures and Carpal Instability – Radiographic Measures
Salamah Moamen, Wasrbrout Ziv, Luria Shai
Hadassah-Hebrew University Medical Center, Jerusalem, Israel

A-0116 Interobserver reliability of CT scan in the plane of wrist versus in the long axis of the scaphoid in scaphoid fractures
Stefanie Wieschollek, Karl Josef Prommersberger, Rainer Schmitt, Karl Heinz Kalb, Georgios Christopoulos, Roland Geue
Klinik für Handchirurgie, Campus Bad Neustadt, Germany

A-0120 Treatment of distal radius fracture involving the watershed line or fracture starting from distal part of the watershed line with distal ulna hook plate
Jinrok Oh, Myunggi On, Hanbin Jin
Wonju Severance Christian Hospital, Wonju, Republic of Korea

A-0124 Intraobserver and interobserver agreement of Gilula arches in the diagnosis of perilunate dislocations
Antonio García-Jiménez [1], Àlex Grau [2], Laura Noguera [2], Santiago Castañeda [1], Bernardo Uran [1], Javier Ochoa [1], Ignacio Proubasta [2], Ignasi Gich [2], Judit Martínez [2]
[1] SSIBE - Hospital de Palamós, Palamós, Spain; [2] Hospital de la Santa Creu i Sant Pau, Barcelona, Spain

A-0125 Hematoma Following Fasciectomy for Dupuytrens Disease
Rasmus Wejnold Jørgensen, Lars Solgård, Jens-Christian Vedel, Claus Hjorth Jensen
Hand Clinic, Department of Orthopedics, Herlev-Gentofte University Hospital of Copenhagen, Denmark

A-0127 Seton drainage - a new tool for treatment of cat bites in hand or forearm
Thomas Henne
Kreiskrankenhaus Osterholz-Scharmbeck, Germany

A-0128 Local advancement flap combined with negative pressure wound therapy - a new approach for treatment of a hypertrophic scar
Thomas Henne

Kreiskrankenhaus Osterholz-Scharmbeck, Germany

A-0130 Nail bed loss in the thumb: a rare troublesome problem with an easy solution
Daniele De Spirito
Ospedale Regionale di Lugano, Lugano, Switzerland

A-0133 Reduction of pain from steroid injection for the treatment of trigger finger with subcutaneous single injection digital block: A prospective randomized controlled trial
Arkaphat Kosiyatrakul, Kittinon Songchou, Suriya Luenam
Department of Orthopaedics, Phramongkutklao Hospital and College of Medicine, Bangkok, Thailand

A-0134 Eaton's Plasty for the treatment of the traumatic luxation of the trapezium-metacarpal joint
Ana M. Far-Riera, Carlos Perez-Uribarri, Matías José Esteras Serrano, Isabel María Ruiz Hernández
Hospital Son Llàtzer, Palma De Mallorca, Islas Baleares, Spain

A-0136 Delayed repair of disconnected thenar branch of median nerve having transligamentous variation after carpal tunnel release: A case report
Chul-Hyung Lee, Cheol-U Kim, Deuk-Hee Jung
Daejeon Sun Hospital, Daejeon, South Korea

A-0138 The Relationship between Electrodiagnostic Findings and Sleep Disturbance in Carpal Tunnel Syndrome
Guy Rubin [1,2], Hagay Orbach [1], Nimrod Rozen [1,2]
[1] Orthopedic Department, Emek Medical Center, Afula, Israel; [2] Faculty of Medicine, Technion, Haifa, Israel

A-0139 The Effectiveness of Splinting Compared to Surgery for Sleep Disturbance in Carpal Tunnel Syndrome
Guy Rubin [1,2], Hagay Orbach [1], Nimrod Rozen [1,2]
[1] Orthopedic Department, Emek Medical Center, Afula, Israel; [2] Faculty of Medicine, Technion, Haifa, Israel

A-0141 Radiological evaluation of the ScaphoLunate InterCarpal Ligamentoplasty for chronic scapholunate dissociation in cadavers
Lionel Athlani, Nicolas Pauchard, Gilles Dautel
Department of Hand Surgery, Plastic and Reconstructive Surgery. Centre Chirurgical Emile Gallé CHU de Nancy, France

A-0142 Preliminary results of the ScaphoLunate InterCarpal Ligamentoplasty for chronic scapholunate dissociation in a prospective study.
Lionel Athlani, Nicolas Pauchard, Gilles Dautel
Department of Hand Surgery, Plastic and Reconstructive Surgery. Centre Chirurgical Emile Gallé CHU de Nancy, France

A-0145 Clinical and radiological outcome of total trapeziectomy with use of the poly-L/D-lactide scaffold – 1 year follow up.
Kjell Van Royen [1], Bart Kestens [2], Chul-Ki Goorens [1,2]
[1] Dept. of Orthopaedics and Traumatology, Universitair Ziekenhuis Brussel, Brussels, Belgium; [2] Dept. of Orthopaedics and Traumatology, Regionaal Ziekenhuis Tienen, Tienen, Belgium

A-0148 The Results of Ulnar Shortening Osteotomy for Ulnar Impaction Syndrome : A Comparison of diaphyseal and metaphyseal osteotomy
Hirofumi Imai [1,2], Masatoshi Takahara [1], Mikirou Kondou [1]
[1] Izumi Orthopedics Hospital, Miyagi, Japan; [2] Minamisannriku Hospital, Miyagi, Japan

A-0150 Factors influencing recurrence and progression of Dupuytren's disease treated by Collagenase Clostridium Histolitycum
C Simón-Pérez [1], J Alía-Ortega [1], B García-Medrano [1], JI Rodríguez-Mateos [2], M Brotat-Rodriguez [3], H Aguado-Hernandez [1], MÁ Martín-Ferrero [1]
[1] Hospital Clínico Universitario de Valladolid, Valladolid, Spain; [2] Hospital Universitario Rio Hortega Valladolid, Spain; [3] Hospital Rio Carrion Palencia, Spain

A-0151 Bilateral Pacinian Corpuscles Neuroma. A rare cause of pain in the hand
Isidro Jiménez, Alberto Marcos-García, Dimosthenis Kiimetoglou, Juan Sánchez-Hernández, Gustavo Muratore, José Medina
Hospital Universitario Insular de Gran Canaria, Las Palmas de Gran Canaria, Spain

A-0154 Preoperative predictors of patient satisfaction after carpal tunnel release
Shin Woo Choi [1], Jae Kwang Kim [1], Young Ho Shin [1], Joo-Yul Bae [2]
[1] Asan Medical Center,University of Ulsan College of Medicine, Seoul, South Korea; [2] Gangneung Asan Hospital,University of Ulsan College of Medicine, Gangneung-si, South Korea

A-0156 Reliability and diagnostic accuracy of the distal radioulnar joint ballottement test
Shohei Omokawa [1], Iida akio [1], Kenji Kawamura [2], Takamasa Shimizu [2], Tadanobu Onishi [2], Yasuhito Tanaka [2]
[1] Department of Hand Surgery, Nara Medical University; [2] Department of Orthopedic Surgery, Nara Medical University

A-0157 New pathologic entity of tennis elbow: Lateral elbow impingement syndrome (LEIS)
Osamu Soejima
Department of Orthopaedic Surgery, Fukuoka Sanno Hospital, School of Medicine, International University of Health and Welfare, Japan

A-0158 The outcome of dynamic compression plate comparing with locking plate in osteotomy for Kienbock's disease.
Michio Sano [1], Tomokazu Sawada [1], Kazuhiro Hagiwara [1], Takao Omura [2], Ryo Okabayashi [3]

[1] Department of Orthopaedic Surgery, Shizuoka City Shizuoka Hospital, Shizuoka, Japan; [2] Department of Orthopaedic Surgery, Hamamatsu University School of Medicine, Shizuoka, Japan; [3] Department of Orthopaedic Surgery, JA Enshu Hospital, Shizuoka, Japan

A-0159 The prevalence and characteristics of female cubital tunnel syndrome patients
Takao Omura [1], Tomokazu Sawada [2], Michihito Miyagi [1], Yukihiro Matsuyama [1]
[1] Hamamatsu University School of Medicine; [2] Shizuoka City Shizuoka Hospital

A-0223 Capitate-trapezoid fusion as a treatment for capitate-trapezoid joint osteoarthritis
Kjell Van Royen [1], Chul Ki Goorens [1,2], Jean Goubau [1,3]
[1] Dept. of Orthopaedics and Traumatology, Universitair Ziekenhuis Brussel, Vrije Universiteit Brussel (VUB). Brussels, Belgium; [2] Dept. of Orthopaedics and Traumatology, Hagelandse Orthopedische Praktijk, Regionaal Ziekenhuis Tienen, Tienen, Belgium; [3] Dept. of Orthopaedics and Traumatology, Upper Limb Unit, Orthoclinic, AZ Sint-Jan AV Brugge - Oostende, AZ Sint Lucas, Brugge, Bruges, Belgium

A-0389 Partial Trapeziectomy And Pyrocarbon Interpositional Arthroplasty For Trapeziometacarpal Joint Osteoarthritis: Analysis Of The Results After A Minimum Of 5 Years
Francesco Smeraglia, Sergio Russo, Giovanni Balato, Maria Rizzo, Massimo Mariconda
University Federico II, Naples, Italy

A-0161 A good solution for the reconstruction of an intractable Morel-Lavallée lesion
Jikang Park, Sangwoo Kang, Jungkwon Cha
Chungbuk National University Hospital, Cheongju, South Korea

A-0162 Easy and reliable surgical reconstruction of sacral pressure sores: The tip of a fasciocutaneous rotational and parasacral perforator flap
Jikang Park, Sangwoo Kang, Jungkwon Cha
Chungbuk National University Hospital, Cheongju, South Korea

A-0163 Perforator based propeller flap for lower extremity reconstruction: A good solution for the inexperienced surgeons
Jikang Park, Sangwoo Kang, Jungkwon Cha
Chungbuk National University Hospital, Cheongju, South Korea

A-0164 Preoperative handheld Doppler and color Doppler ultrasound in the planning of Freestyle local perforator flaps in orthopedic reconstructive surgery
Jikang Park, Sangwoo Kang, Jungkwon Cha
Chungbuk National University Hospital, Cheongju, South Korea

A-0166 Why not try a direct anatomical reduction of bony mallet finger? (A modified Intrafocal pinning technique)
Jikang Park, Sangwoo Kang, Jungkwon Cha
Chungbuk National University Hospital, Cheongju, South Korea

A-0168 Wide-awake approach for open carpal and cubital tunnel release surgery, Is it available?
Jikang Park, Sangwoo Kang, Jungkwon Cha
Chungbuk National University Hospital, Cheongju, South Korea

A-0169 Wide-awake approach for lateral and medial epicondylitis, Is it available?
Jikang Park, Sangwoo Kang, Jungkwon Cha
Chungbuk National University Hospital, Cheongju, South Korea

A-0170 Fingertip reconstruction using volar advancement flaps: a comparative study of the bipedicled volar advancement flap and oblique triangular flap
Hirotada Matsui, Hideki Tsuji, Yoshiaki Kurata
Sapporo Tokushukai Hospital, Japan

A-0172 The use of modified Kutler method for the treatment of amputation of the fingertip.
Hideyuki Mizushima
Sakai city medical center, Sakai, Japan

A-0174 The efficiency of tenosynovectomy in A1 pulley release in patients with trigger finger
Hyun Sik Seok, Seok Woo Hong, Jihyeung Kim, Kee Jeong Bae, Hyun Sik Gong, Goo Hyun Baek
Department Orthopedic Surgery, College of Medicine, Seoul National University, Seoul, Republic of Korea

A-0175 Subcutaneous and submuscular transposition due to ulnar nerve entrapment at the elbow – analyses of 43 primary and 44 revision cases
Ilka Anker [1], Gert S. Andersson [2], Malin Zimmerman [1], Helen Jacobsson [3], Lars B. Dahlin [1,4]
[1] Department of Translational Medicine – Hand Surgery, Lund University, Malmö, Sweden; [2] Department of Neurophysiology, Lund University, Skåne University Hospital, Lund; [3] R&D Centre Skåne, Skåne University Hospital, Lund; [4] Department of Hand Surgery, Skåne University Hospital, Malmö, Sweden

A-0177 3D Analysis of Osteosyntheses Material Using Semi-automated CT Segmentation: A Case Series of a 4 Corner Fusion Plate
Michaela Huber, Rebecca Woehl, Johannes Maier, Christoph Palm
Department of Trauma Surgery and Emergency Department, University Medical Center Regensburg

A-0178 Preoperative and Postoperative Translation of the Median Nerve in Carpal Tunnel Syndrome
Egemen Altan [1], Ahmet Yildirim [2], Onur Tutar [3], Alaaddin Nayman [2], Levent Yalcin [4]
[1] Kadikoy Florence Nightingale Hospital, Istanbul, Turkey; [2] Selcuk University Medical Faculty, Konya, Turkey; [3] Istanbul University Cerrahpasa Medical Faculty, Istanbul, Turkey; [4] Manus Hand Surgery Center, Istanbul, Turkey

A-0179 Examination of flexor tenolysis after flexor tendon repair following early active mobilization.
Koji Moriya, Takae Yoshizu, Nato Tsubokawa, Hiroko Narisawa, Yutaka Maki
Niigata Hand Surgery Foundation, Japan

A-0180 Evaluation of osteoporotic features in patients with an olecranon fracture
Minho Lee, Hyun Sik Gong, Seong Cheol Park, Sehun Kim, Goo Hyun Baek
Department of Orthopedic Surgery, Seoul National University College of Medicine, Seoul, South Korea

A-0182 Strickland's hypothenar fat pad flap for revision surgery in carpal tunnel syndrome: Prospective study of 34 cases
Lionel Athlani [1], Frédéric Lecomte [2], Sébastien Charbonnel [2], Jean-Marc Claise [2], Jean-David Stussi [2], Jean-Baptiste Cassio [2], Jean-Paul Haloua [2]
[1] Department of Hand Surgery, Plastic and Reconstructive Surgery, Centre Chirurgical Emile Gallé CHU de Nancy, France; [2] Department of Hand Surgery, Clinique La Châtaigneraie, Beaumont, France

A-0183 Radiographic Assessment of TFCC Foveal Tear Using Arthrographic Computed Tomography in Distal Radius Fractures
Takahiro Asano [1], Masaya Tsujii [1], Kazuya Odake [1], Yoshinori Makino [2], Ryu Iida [2], Akihiro Sudo [1]
[1] Department of Orthopaedic Surgery, Graduate School of Medicine, Mie University, Mie, Japan; [2] Nagai Hospital, Mie, Japan

A-0187 Variation in documentation of pediatric supracondylar humerus fractures
Alexandria L. Case, Carissa Meyer, Ebrahim Paryavi, Joshua M. Abzug
University of Maryland School of Medicine, Baltimore, Maryland, USA

A-0188 The use of the semi-sterile technique for closed reduction and percutaneous pinning (CRPP) of upper extremity fractures in pediatric patients
Charles Blevins [1], Karan Dua [2], Joshua M. Abzug [1]
[1] University of Maryland School of Medicine, Baltimore, Maryland, USA; [2] SUNY Downstate Medical Center, Brooklyn, New York, USA

A-0190 The role of external fixation when treating terrible triad injuries
Karan Dua [1], Andrew Fischer [2], Raymond A. Pensy [2], W. Andrew Eglseder [2], Joshua M. Abzug [2]
[1] SUNY Downstate Medical Center, Brooklyn, New York, USA; [2] University of Maryland School of Medicine, Baltimore, Maryland, USA

A-0194 Is Vitamin D deficiency responsible for producing Hand and Wrist Joint pains and Paraesthesia in the absence of other pathology?
Fizan Younis, Ovais Qureshi
East Lancashire Hospitals Trust, Blackburn, UK

A-0196 Variation amongst orthopedic surgeons when diagnosing and treating pediatric phalangeal neck fractures
Stefanie Zaner [1], Karan Dua [2], Nathan N O'Hara [1], Alexandria L Case [1], Joshua M Abzug [1]
[1] University of Maryland School of Medicine, Baltimore, Maryland, USA; [2] SUNY Downstate Medical Center, Brooklyn, New York, USA

A-0197 Variation amongst orthopedic surgeons when treating fifth metacarpal neck fractures in the pediatric population
Thomas Chang [1], Karan Dua [2], Alexandria L. Case [1], Nathan N O'Hara [1], Joshua M. Abzug [1]
[1] University of Maryland School of Medicine, Baltimore, Maryland, USA; [2] SUNY Downstate Medical Center, Brooklyn, New York, USA

A-0199 Variation among pediatric hand surgeons when diagnosing and treating distal radius fractures
Karan Dua [1], Nathan N. O'Hara [2], Andrea S. Bauer [3], Roger Cornwall [4], Christine A. Ho [5], Scott H. Kozin [6], Kevin J. Little [7], Scott Oishi [8], Apurva Shah [9], Suzanne E Steinman [10], Theresa O. Wyrick [11], Dan A. Zlotolow [6], Joshua M. Abzug [2]
[1] SUNY Downstate Medical Center, Brooklyn, New York, USA; [2] University of Maryland School of Medicine, Baltimore, Maryland, USA; [3] Boston Children's Hospital, Boston, Massachusetts, USA; [4 5] Children's Health, Dallas, Texas, USA; [6] Shriners Hospitals for Children, Philadelphia, Pennsylvania, USA; [7] Cincinnati Children's Hospital, Cincinnati, Ohio, USA; [8] Texas Scottish Rite Hospital for Children, Dallas, Texas, USA; [9] Children's Hospital of Philadelphia, Philadelphia, Pennsylvania, USA; [10] Seattle Children's Hospital, Seattle, Washington, USA; [11] University of Arkansas Medical Sciences, Little Rock, Arkansas, USA

A-0201 A novel combined approach to the 1,2 intercompartimental supraretinacular artery radial flap may correct scaphoid collapse and prevent non-union.
Nicolas Balagué, Konstantinos Vakalopoulos, Philippe Vostrel, Sana Boudabbous Jean-Yves Beaulieu
Geneva University Hospitals, Department of Traumatic and Orthopedic Surgery, Hand and Peripheral Nerves Surgery Unit, Geneva, Switzerland

A-0207 Impact of the Economic Downturn on the Surgical Volumes of Common Hand Procedures
Nasa Fujihara [1], Yuki Fujihara [1], Jennifer M. Sterbenz [2], Melissa J. Shauver [2], Chung Ting-Ting [3], Kevin C. Chung [2]
[1] Department of Hand Surgery, Nagoya University, Nagoya, Japan; [2] Department of Surgery, Section of Plastic Surgery, University of Michigan Medical School, Ann Arbor, MI, USA; [3] Center for Big Data Analytics and Statistics, Chang Gung Memorial Hospital, Taoyuan, Taiwan

A-0208 Surgical treatment of Dupuytren disease by fasciectomy and open-palm technique: results at 7 and 21 years
Steven Roulet, Jacques Guéry, Jacky Laulan
Hand Surgery Unit, Department of Orthopedic Surgery 1, Trousseau University Hospital, Medical University François Rabelais of Tours, Tours,

France

A-0209 Surgical treatment of carpal boss by simple resection: Results in 25 cases at a mean of 8 years' follow-up
Steven Roulet, Guillaume Bacle, Bertille Charruau, Charles Agout, Emilie Marteau, Jacky Laulan
Hand Surgery Unit, Department of Orthopedic Surgery 1, Trousseau University Hospital, Medical University François Rabelais of Tours, Tours, France

A-0211 Peripheral Nerve Regeneration Using a Bio 3D Conduit from Undifferentiated Bone Marrow Stromal Cells
Hirofumi Yurie [1], Ryosuke Ikeguchi [1], Tomoki Aoyama [2], Akira Ito [2], Mai Tanaka [2], Junichi Tajino [2], Souichi Ohta [1], Hiroki Oda [1], Hisataka Takeuchi [1], Sadaki Mitsuzawa [1], Shizuka Akieda [4], Koichi Nakayama [3], Shuichi Matsuda [1]
[1] Department of Orthopaedic Surgery, Graduate School of Medicine, Kyoto University, Kyoto, Japan; [2] Department of Physical Therapy, Human Health Sciences, Graduate School of Medicine, Kyoto University, Kyoto, Japan; [3] Department of Regenerative Medicine and Biomedical Engineering Faculty of Medicine, Saga University, Saga, Japan; [4] Cyfuse Biomedical K.K., Tokyo, Japan

A-0214 Bilateral traumatic rupture of ulnar collateral ligament (UCL) of the thumb. Surgical treatment and outcomes.
Konstantinos Tolis, Panagiotis Kanellos, Konstantinos Raptis, Markos Liontos, Maria Ladogianni, Sarantis Spyridonos
Hand Surgery, Upper Limb and Microsurgery Department, General Hospital KAT, Athens, Greece

A-0216 Epidemiology of tumors and tumor like lesions of the upper extremity in the Greek population. A 20-Years study from a single National Hand and Upper Extremity surgical department
Konstantinos Tolis, Emmanouil Fandridis, Filippos Giannoulis, Meletios Rozis, Isidoros Dontas, Sarantis Spyridonos
Hand Surgery, Upper Limb and Microsurgery Department, General Hospital KAT, Athens, Greece

A-0217 Treating flexor pulley defects with the use of adjacent pulleys. Early results
Konstantinos Tolis, Sarantis Spyridonos
Hand Surgery, Upper Limb and Microsurgery Department, General Hospital KAT, Athens, Greece

A-0218 Lunocapitate arthrodesis as a final treatment for acute lunate fracture-dislocation in an adolescent. Clinical results at 2 years follow up
Konstantinos Tolis, Aliki Kotsilini, Panagiotis Kanellos, Markos Liontos, Sophia Syggouna, Sarantis Spyridonos
Hand Surgery, Upper Limb and Microsurgery Department, General Hospital KAT, Athens, Greece

A-0221 Radiological development of osteoarthritic changes in the distal radioulnar joint after ulnar shortening osteotomy for idiopathic ulnar impaction syndrome
Takaaki Shinohara [1], Masahiro Tatebe [2], Etsuhiro Nakao [1], Ryogo Nakamura [1], Hitoshi Hirata [2]
[1] Nagoya Hand Surgery Center, Chunichi Hospital, Nagoya, Japan; [2] Department of Hand Surgery, Graduate School of Medicine, Nagoya University, Nagoya, Japan

A-0222 Simultaneous Intrinsic Reconstruction with Stiles-Bunnell Tendon Transfer in the Second Toe Transfers
Yu-Te Lin [1], Charles Yuen Yung Loh [2], Shwu-Huei Lien [2], Chih-Hung Lin [3], Fu-Chan Wei [2]
Chang Gung Memorial Hospital, [1] Keelung, [2] Linkou, [3] Chiayi, Taiwan

A-0224 Treatment and clinical results of distal radial fractures nonunion or delayed union
Chun-Jui Weng, Chun-Ying Cheng, Shih-Sheng Chang, Chih-hao Chiu, Alvin Chao-yu Chen, Kuo-Yao Hsu, Yi-Sheng Chan
Chang Gung Memorial Hospital, Taoyuan, Taiwan

A-0225 Ectopic ossification of the elbow after comminuted fractures of the distal humerus
Masao Okamoto
Osaka Mishima Emergency Critical Care Center, Takatsuki, Japan

A-0227 Position of immobilization after first-time traumatic anterior glenohumeral dislocation
Olga Gutkowska, Maciej Urban, Jerzy Gosk
Clinical Department of Traumatology and Hand Surgery, Wrocław University Hospital, Wrocław, Poland

A-0228 Delayed rupture of a previously repaired extensor pollicis brevis tendon following local corticosteroid injection
Michno Dominika, Konczalik Wojciech, Ramman Saif, Akhavani Mohammed
Department of Plastic and Reconstructive Surgery, Royal Free Hospital, London, UK

A-0230 More than 40 years follow up for unconstrained metal lunate replacement for treatment of Kienbock's disease
Hammad Parwaiz, Sherif Elnikety
Royal United Hospital Bath, UK

A-0232 Preoperative evaluation and surgical planning using three-dimensional MRI-CT fusion images for osteochondritis dissecans of the elbow
Sho Kohyama [1], Yuki Hara [1], Akira Ikumi [1], Eriko Okano [1], Yasumasa Nishiura [2], Masashi Yamazaki [1]
[1] Department of Orthopaedic Surgery, Faculty of Medicine, University of Tsukuba, Tsukuba, Japan; [2] Tsuchiura Clinical Education and Training Center, Tsukuba University Hospital, Tsuchiura, Japan

A-0233 Low second to fourth digit ratio in Dupuytren disease.
Takuya Yokoi [1], Takuya Uemura [1], Kenichi Kazuki [2], Ema Onode [1], Kosuke Shintani [1], Mitsuhiro Okada [1], Hiroaki Nakamura [1]
[1] Department of Orthopaedic Surgery, Osaka City University Graduate School of Medicine, Osaka, Japan; [2] Gakuen-minami clinic, Nara, Japan

A-0234 Ulnar Nerve Length and Instability After Osborne's Modified Simple Decompression in Idiopathic Cubital Tunnel Syndrome
Sang Ho Kwak, Jung Yun Bae, Sang Woo Kang, Seung Jun Lee, Kuen Tak Suh
Pusan National University Yangsan Hospital, Korea

A-0235 Subtle Elbow Instability Associated with Lateral Epicondylitis
Sang Ho Kwak, Min Uk Do, Seung Jun Lee
Pusan National University Yangsan Hospital, Korea

A-0236 Ligament reconstruction suspension arthroplasty using double palmaris longus tendon graft with suture button for advanced thumb trapeziometacarpal joint arthritis: Short-term surgical results
Osamu Soejima
Department of Orthopaedic Surgery, Fukuoka Sanno Hospital, School of Medicine, International University of Health and Welfare, Japan

A-0238 Superior patient satisfaction, resulting from a surgical procedure which is spared Pronator Quadratus detaching: A prospective randomized controlled trial
Hiromichi Yasuoka
Tamana Central Hospital, Tamana-shi, Kumamoto, Japan

A-0242 Kinematic analysis of the hand during opening a yoghurt: Are there gender differences?
Lisa Reissner, Gabriella Fischer, Pietro Giovanoli, Maurizio Calcagni
Division of Hand and Plastic Surgery, University Hospital Zurich, Switzerland

A-0243 The role of CT scan in postoperative evaluation of distal radius fractures: Retrospective analysis in regard to complications and revision rates.
Michael Jakubietz, Rafael Jakubietz, Laura Mages, Rainer Meffert
University of Wuerzburg, Department for Trauma, Hand, Plastic and Reconstructive Surgery, Wuerzburg, Germany

A-0244 Total Thumb Carpometacarpal Joint Arthroplasty: a Retrospective Functional Study of 35 Moovis® prostheses
Nicolas Dreant, Marie-Anne Poumellec
Pole Urgence Main, Nice, France

A-0249 Correction of Vitamin D Deficiency is Associated with Better Surgical Outcomes in Women with Carpal Tunnel syndrome
Myung Ho Lee, Hyun Sik Gong, Min Ho Lee, Seung Hoo Lee, Jihyeong Kim, Goo Hyun Baek
Department of Orthopedic Surgery, Seoul National University College of Medicine, Seoul, Korea

A-0253 Visualization of human posterior interosseous nerves in healthy subjects and in patients with type 1 and 2 diabetes by x-ray phase contrast zoom tomography
LB Dahlin [1,2], KR Rix [3], VA Dahl [4], AB Dahl [4], J Nørtoft Jensen [4], P Cloetens [5], A Pacureanu [5], S Mosheni [6], N Thomsen [2], M Bech [7]
[1] Department of Translational Medicine – Hand Surgery, Lund University, Sweden; [2] Department of Hand Surgery, Skåne University Hospital, Malmö, Sweden; [3] Niels Bohr Institute, Copenhagen University, Copenhagen, Denmark; [4] Department of Applied Mathematics and Computer Science, Technical University of Denmark, Lyngby, Denmark; [5] ESRF – the European Synchrotron, Grenoble, France; [6] Department of Clinical and Experimental Medicine, Division of Cell Biology, Linköping University, Linköping, Sweden; [7] Department of Clinical Sciences, Lund – Medical Radiation Physics, Lund University, Lund, Sweden

A-0255 An Innovative Nerve Repair Simulation
B Jagannath Kamath, Premjit Sujir, Mithun Pai Arkesh
Kasturba Medical College, Mangalore, Manipal University, India

A-0256 Novel surgical technique of TRApezio Metcarpal Joint Stabilisation- TRAMS
Kawther Raji [1], Anthony Barabas [2]
[1] Royal Papworth Hospital NHS Foundation Trust, UK; [2] North West Anglia Foundation Trust Hinchingbrooke Hospital, UK

A-0259 Radial Artery Perforator Adiposal Flap for Coverage of the Neurolysed Median Nerve
Ema Onode [1], Takuya Uemura [1], Kosuke Shintani [1], Takuya Yokoi [1], Mitsuhiro Okada [1], Kiyohito Takamatsu [2], Hiroaki Nakamura [1]
[1] Osaka City University Graduate School of Medicine, Japan; [2] Yodogawa Christian Hospital, Japan

A-0260 Comparison of Long-term Outcomes of Radial Osteotomy and Non-operative Treatment in the Treatment of Kienböck's disease: A Systematic Review
Young Ho Shin [1], Jae Kwang Kim [1], Joo-Yul Bae [2], Shin Woo Choi [1]
[1] Asan Medical Center, University of Ulsan College of Medicine, Seoul, South Korea; [2] Gangneung Asan Medical Center, University of Ulsan College of Medicine, Gangneung, South Korea

A-0268 Intraoperative stability assessment of the first carpometacarpal joint
Pascal Behm [1,2], Stephen J. Ferguson [2], Miriam Marks [1], Daniel B. Herren [1]
[1] Schulthess Clinic, Zürich, Switzerland; [2] ETH Zürich, Zürich, Switzerland

A-0269 Do trapeziometacarpal prostheses provide better metacarpophalangeal stability than trapeziectomy and ligamentoplasty ?
Benjamin Degeorge, Louis Dagneaux, Julien Andrin, Cyril Lazerges, Bertrand Coulet, Michel Chammas
Lapeyronie University Hospital, Montpellier, France

A-0270 Arthroplasty of the proximal interphalangeal joint with the TACTYS® prosthesis: clinical and radiological results after a minimum follow-up of 12 months.
Benjamin Degeorge, Lionel Athlani, François Dap, Gilles Dautel
Centre Chirurgical Emile Gallé, Nancy University Hospital, Nancy, France

A-0271 Opportunistic primary index finger pollicization pediceled on the first dorsal metacarpal artery in a multidigital replantation - a case report.
I Besmens, M Scaglioni, M Calcagni, T Giesen
University Hospital Zurich, Department of Plastic Surgery and Hand Surgery, Zurich, Switzerland

A-0272 Reducing the immobilization period after DIP arthroplasty through a new dorsal
I Besmens, M Calcagni, T Giesen
University Hospital Zurich, Department of Plastic Surgery and Hand Surgery, Zurich, Switzerland

A-0273 Anomalous FDS muscle in the palm
Tamer Ali, Andrew Watts
Royal Devon and Exeter Hospital, Exeter, UK

A-0274 Necrotising Fasciitis in the Upper Limb
Tamer Ali, Marina Morgan
Royal Devon and Exeter Hospital, Exeter, UK

A-0276 Study of the traumatic injuries of the hand to the elbow during the period of Carnival celebrations of 2017 in Brazil
Carlos Henrique Fernandes [1], João Baptista Gomes dos Santos [1], Luis Renato Nakachima [1], Marcela Fernandes [1], Giana Giostri [2], Trajano Sardenberg [3], Henrique Ayzemberg [4], Jeffferson Braga Silva [5], Rodrigo Guerra Sabongi [1], Estevão Juliano Lopes [1], Jaime Piccaro Erazo [1], Thais Silva Barroso [1], Eduardo Murilo Novak [2], Suzilaine Ramos de Oliveira [2], Denis Varanda [3], Andrea Christina Cortopassi [3], Valdir Steglich [4], Tiago Salati Stangarlin [4], Flávio Hermano Bezerra Araujo [4]
[1] Hospital São Paulo/Universidade Federal de São Paulo, Brazil; [2] Hospital Universitário Cajuru/PUCPR, Brazil; [3] Hospital das Clinicas da Faculdade de Medicina de Botucatu – UNESP, Brazil; [4] Instituto de Ortopedia de Traumatologia de Joinville, Brazil

A-0278 Intra-ndividual Evaluation of Results Between Open and Endoscopic Release in the Bilateral Carpal Tunnel Syndrome
Carlos Henrique Fernandes, Lia Miyamoto Meirelles, Marcela Fernandes, Luis Renato Nakachima, João Baptista Gomes dos Santos, Flavio Faloppa
Hospital São Paulo/Universidade Federal de São Paulo/ Hand Surgery Unit, Brazil

A-0280 The Surgical Technique of 4th+5th Extensor Compartment Artery & Ulnar Artery Dorsal Branch Vascularized Bone Graft for Kienbock's Disease: 3 Case Reports
Ki-tae Na, Sang-uk Lee, Do-yeol Kim, Jong-yoon Lee, Won-woo Kang
Incheon St. Mary's Hospital, The Cathlic University of Korea, Incheon, South Korea

A-0281 Can the proximal phalangeal head remodel after stretching exercise or surgical treatment in patients with camptodactyly?
Seok Woo Hong, Jihyeung Kim, Kee Jeong Bae, Hyun Sik Gong, Goo Hyun Baek
Department Orthopedic Surgery, College of Medicine, Seoul National University, Seoul, Korea

A-0282 Clinical Results of Interposition Arthroplasty with or without Intermetacarpal Ligament Reconstruction for Thumb Carpometacarpal Osteoarthritis: a retrospective comparison study
Haruhiko Satonaka [1], Masaya Tsujii [2], Kakunoshin Yoshida [1], Tadashi Tsukamoto [1], Takahisa Hara [1], Akihiro Sudo [2]
[1] Ise Municipal General Hospital, Ise, Japan; [2] Mie University Graduate School of Medicine, Tsu, Japan

A-0284 The "skip lesion" of the TFCC tear; which tear is the main cause of ulnar-side wrist pain?
Yukio Abe, Kenzo Fujii
Saiseikai Shimonoseki General Hospital, Shimonoseki, Japan

A-0285 Radiographic prediction of lunate morphology: reliability, reproducibility, and compatibility with MR arthrography
Ji Hun Park, Tae Wook Kang, Seul Gi Kim, Young Woo Kwon, Jong Woong Park
College of Medicine, Korea University Anam Hospital, Seoul, South Korea

A-0286 Unusual cause of thumb basal joint pain-Osteoid osteoma of the trapezium
Ji Hun Park,Tae Wook Kang, Young Woo Kwon, In Cheol Choi, Jong Woong Park
College of Medicine, Korea University Anam Hospital, Seoul, South Korea

A-0288 The relationship between Thrombin and Osteopontin in Dupuytren's Disease
Kazuya Odake[1], Masaya Tsujii[1], Takahiro Asano[1], Haruhiko Satonaka[1], Akihiro Sudo[1]
Department of Orthopaedic Surgery, Mie University Graduate School of Medicine, Japan

A-0289 Non-union of the Trapezium : Rare consequence of a rare injury
Deepak Samson, Matthew Jones, Andrew Mahon
University Hospital Coventry and Warwickshire, Coventry, UK

A-0290 Effect of distal phalangeal (DIP) joint fusion on grip force and load distribution of the hand
Angela Reger, Marion Mühldorfer-Fodor, Karl-Josef Prommersberger, Jörg van Schoonhoven

Klinik für Handchirurgie Bad Neustadt, Bad Neustadt / Saale, Germany

A-0291 Volar fracture-dislocation of the proximal interphalangeal joint: four cases at an average follow-up of 3 years
Steven Roulet, Bertille Charruau, Emilie Marteau, Guillaume Bacle, Jacky Laulan
Hand Surgery Unit, Department of Orthopedic Surgery 1, Trousseau University Hospital - Medical University François Rabelais of Tours, Tours, France

A-0294 90/90 bicortical double loop interosseous wiring in management of transverse and short oblique metacarpal shaft fractures: Patient-reported outcome.
Ahmed Afifi, M Hussein Dobal, Mostafa Mahmoud, Ashraf N Moharram
Kasr Al-Ainy Faculty of Medicine, Cairo University, Egypt

A-0295 TFCC foveal re-attachment by ulnar tunnel technique
Robert Gvozdenovic
Herlev and Gentofte Hospital, University of Copenhagen, Department of Orthopedic Surgery, Hand Surgery Unit, Copenhagen, Denmark

A-0296 Pathology of Spontaneous Flexor Tendon Rupture
Masahiro Miyashita, Masataka Yasuda, Kenta Minato, Shunpei Hama
Baba Memorial Hospital, Osaka, Japan

A-0297 Results of Percutaneous Needle Aponeurotomy for Dupuytren's Contracture
Fernando Menvielle, Macarena Layús, Sergio Daroda, Rodeolfo Cosentino, Paul Pereira
Clínica de la Mano, GAMMA, La Plata, Argentina

A-0298 Developing a tablet-based application for postoperative rehabilitation of patients with carpal tunnel syndrome
Koji Fujita [1], Takuro Watanabe [2], Yuta Sugiura [2], Akimoto Nimura [1], Atsushi Okawa [1]
[1] Tokyo Medical and Dental University, Tokyo, Japan; [2] Keio University, Kanagawa, Japan

A-0299 Free posterior interosseous artery perforator flap for fingertip resurfacing
Satoshi Usami, Kohei Inami
Tokyo Hand Surgery & Sports Medicine Institute, Takatsuki Orthopaedic Hospital, Tokyo, Japan

A-0300 Combined Corticosteroid Injection and Splinting in the Treatment of Trigger Finger: A randomized controlled trial
Noppadon Panjawatthana
Queen Savang Vadhana Memorial Hospital, Chonburi, Thailand

A-0303 Study on the use of microsurgery by the Hand Surgeon in Brazil
Rosana Raquel Endo [1], Flavio Faloppa [2], João Baptista Gomes dos Santos [2], Carlos Henrique Fernandes [2], Luiz Carlos Angelini [1], Luis Renato Nakachima [2], Marcela Fernandes [2]
[1] Hospital do Servidor Público Municipal de São Paulo, Brazil; [2] Hospital São Paulo UNIFESP/Orthopedic Surgery Department, Hand Surgery Department, Brazil

A-0304 Concomitant Injuries Affect the Prognosis in Patients with a Central Slip Tear
Yuki Fujihara, Kentaro Watanabe, Hideyuki Ota, Atsuhiko Murayama
Nagoya Ekisaikai Hospital, Nagoya, Japan

A-0305 Comparative study on the effectiveness of a corticosteroid injection for carpal tunnel syndrome in patients with and without Raynaud's phenomenon
Young Hak Roh [1], Hyun Sik Gong [2], Goo Hyun Baek [2]
[1] Department of Orthopaedic Surgery, Ewha Womans University Medical Center, Ewha Womans University College of Medicine, Seoul, South Korea; [2] Department of Orthopaedic Surgery, Seoul National University College of Medicine, Seoul, South Korea

A-0306 Effect of metabolic syndrome on the functional outcome of corticosteroid injection for lateral epicondylitis: retrospective matched case-control study
Young Hak Roh [1], Hyun Sik Gong [2], Goo Hyun Baek [2]
[1] Department of Orthopaedic Surgery, Ewha Womans University Medical Center, Ewha Womans University College of Medicine, Seoul, South Korea; [2] Department of Orthopaedic Surgery, Seoul National University College of Medicine, Seoul, South Korea

A-0308 Factors influencing functional outcome of proximal interphalangeal joint collateral ligament injury when treated with buddy strapping and exercise.
Young Hak Roh [1], Seok Woo Hong [1], Hyun Sik Gong [2], Goo Hyun Baek [2]
[1] Department of Orthopaedic Surgery, Ewha Womans University Medical Center, Ewha Womans University College of Medicine, Seoul, South Korea; [2] Department of Orthopaedic Surgery, Seoul National University College of Medicine, Seoul, South Korea

A-0313 The use of "On-Top Plasty" for reconstruction of radial polydactyly
Wenhai Sun, Yachao Zhou, Shengbo Zhou, Yongkang Jiang, Bin Wang
Department of Plastic and Reconstructive Surgery, Shanghai 9th People's Hospital, Shanghai Jiaotong University School of Medicine, China

A-0314 First case report on pyogenic tenosynovitis in the hand caused by Paenibacillus sp
Mateus Saito, Renata Gregorio Paulos, Priscila Rosalba Domingos de Oliveira, Thiago Felipe dos Santos Barros, So Yeon Kim, Marcelo Rosa de Rezende, Rames Mattar Junior

Hospital das Clinicas da Faculdade de Medicina da Universidade de São Paulo. São Paulo, Brazil

A-0315 Patient-perceived outcome after conservative treatment of distal radius fracture in elderly patients: Comparison with radiologic outcome in long-term follow-up

Hyun Il Lee [1], Min Jong Park [2]
[1] Department of Orthopaedic Surgery, Inje University, Ilsan Paik Hospital, Goyang-si, South Korea; [2] Department of Orthopedic Surgery, Samsung Medical Center, Sungkyunkwan University, Seoul, South Korea

A-0316 Prominent radio-capitellar synovial plica as a potential cause of lateral elbow pain: Implication of physical examination and MRI findings on diagnosis

Hyun Il Lee [1], Jong Pil Kim [2], Jae Woo Shim [3], Min Jong Park [4]
[1] Department of Orthopaedic Surgery, Inje University, Ilsan Paik Hospital, Goyang-si, South Korea; [2] Department of Orthopedic Surgery, College of Medicine, Dankook University, Cheonan, South Korea; [3] Department of Orthopaedic Surgery, Hallym University, Kangdong Sacred Heart Hospital, Seoul, South Korea; [4] Department of Orthopedic Surgery, Samsung Medical Center, Sungkyunkwan University, Seoul, South Korea

A-0317 Experimental study of histological changes in vascularloops according to the duration of the postoperativeperiod: Application in reconstructive microsurgery

Renata Gregorio Paulos, Bruno Alves Rudelli, Renee Zon Filippe, Gustavo Bispo dos Santos, Ana Abarca Herrera, Andre Araujo Ribeiro, Marcelo Rosa de Rezende, Teng Hsiang Wei, Rames Mattar Jr
Hospital das Clinicas da Faculdade de Medicina da Universidade de São Paulo. São Paulo, Brazil

A-0318 Reduction of morbidity with a reverse-flow sural flap: a 2-stage technique

Marcelo Rosa de Rezende, Mateus Saito, Renata Paulos, Samuel Ribak, Ana Abarca Herrera, Alvaro Baik Cho, Rames Mattar Jr
Hospital das Clinicas da Faculdade de Medicina da Universidade de São Paulo. São Paulo, Brazil

A-0320 Finger proximal interphalangeal joint gap arthroplasty

Mohamed Elsaid Abdelshaheed, Ahmed Abdel-Galil Khalil, Reda Abdallah Younis, Ahmed Mohamed Bahaa El-Din Moustafa, Samy Ahmed Mahmoud Shehabeldin
Faculty of medicine, Mansoura university, Mansoura, Egypt

A-0321 Intraneural fascicular dissection of lipofibromatous hamartoma of the digital branches of the median nerve: report of two cases and review of literature

Mohamed Elsaid Abdelshaheed
Faculty of medicine, Mansoura university, Mansoura, Egypt

A-0323 Sural flap for unusual or risky situations. Retrospective comparative study with the sural flap used in more common indications.

AB Cho [1,2], CHV Ferreira [1], LS Yamauti [1], LFF Longuino [1], ARH Ferreira [1], LY Kiyohara [1,2], L Sorrenti [1,2]
[1] IOT-HC-FMUSP, São Paulo, Brazil; [2] FMABC, Sto André, Brazil

A-0324 Transfer of a pronator teres motor branch to achieve finger flexion in tetraplegia: case report

Renata Paulos, Emygdio José Leomil de Paula
Hospital das Clinicas da Faculdade de Medicina da Universidade de São Paulo. São Paulo, Brazil

A-0325 Gigant Cell Tumor of Distal Radius Treated with Ulnar Translocation and Wrist Arthrodesis. A case report

Jose A. Oteo, Patricia Merino, Cristina Salvador
Hospital Universitario de Fuenlabrada, Madrid, Spain

A-0327 InternalBrace (TM) Augmentation of the Thumb Ulnar Collateral Ligament Repair - A Biomechanical Study

Steven S. Shin [1], Carola F. van Eck [1,2], Carlos Uquillas [1]
[1] Kerlan Jobe Orthopaedic Clinic, Kerlan Jobe Orthopaedic Clinic, Los Angeles CA, USA; [2] University of Pittsburgh, Rooney Sports Complex, Pittsburgh PA, USA

A-0329 The importance of the right orthosis choice in the swan neck treatment following chronic mallet finger: innovative case report

Susanna Pagella [1,2], Alberto Cafarelli [3]
[1] Ars Medica Clinica, Gravesano, Switzerland; [2] Ergoterapia Manoegomito, Mendrisio, Switzerland; [3] Croce Rossa Svizzera, Sezione del Sottoceneri , Centro ErgoterapiaChiasso, Switzerland

A-0335 Outcome of nerve allografts in nerve injuries of the hand – single unit experience

Amir Adham Ahmad, Sellakkuddy Selvaganesh, Vaikunthan Rajaratnam
Khoo Teck Puat Hospital Singapore

A-0330 Difference in carpal alignment between scapholunate dissociation and Kienbock disease

Masahiro Tatebe [1], Akimasa Morita [2], Michiro Yamamoto [1], Shigeru Kurimoto [1], Katsuyuki Iwatsuki [1], Kozo Fujisawa [2], Hitoshi Hirata [1]
[1] Department of Hand Surgery, Nagoya University Graduate School of Medicine, Nagoya, Japan; [2] Department of Orthopedic surgery, Suzuka Kaisei Hospital, Suzuka, Japan

A-0331 Objective Functional Outcomes and Patient Satisfaction After fasciectomy for Dupuytren's contracture

Taichi Saito, Yasunori Shimamura, Shunji Okita, Toshifumi Ozaki
Department of Orthopaedic Surgery, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama, Japan

A-0333 Mid- to Long- Term Clinical Outcomes of Total Joint Arthroplasty Using Costal Osteochondral Autograft for Finger Joint Ankylosis
Kazuki Sato, Takuji Iwamoto, Noboru Matsumura, Satoshi Oki, Taku Suzuki, Akiko Torii, Tsuyoshi Amemiya, Ruriko Iigaya,Masaya Nakamura, Morio Matsumoto
Department of Orthopaedic Surgery, Keio University School of Medicine, Tokyo, Japan

A-0334 Results over 2 years follow up of open reduction in Hamate body fracture with dorsal dislocation of hamatometacarpal joint
Chul-Hyung Lee, Cheol-U Kim, Ki-Hun Cha, Deuk-Hee Jung
Daejeon Sun Hospital, Daejeon, South Korea

A-0336 Reliability of occupational therapy Students in administering the monofilament sensory testing on patients with hand injuries
Mohammed Sh. Nadar
Kuwait University, Kuwait

A-0337 Heterotopic ossification of the elbow after radial head arthroplasty: comparative study between isolated radial head fractures and associated injuries like coronoid fractures, olecranon fractures or ligamentous injuries.
C Chanes Puiggrós, J Martínez Zaragoza, A Petrica, L Trigo Lahoz, X Crusi Sererols, C Lamas Gómez
Department of Orthopaedics and Traumatology, Hospital de la Santa Creu i Sant Pau, Universitat Autònoma de Barcelona, Spain

A-0339 The Endoscopic Carpal Tunnel Release: Learning Curve and Complications
Alexander Schuetz
Sporthopaedicum Straubing - Regensburg, Straubing, Germany

A-0342 Median Neuropathy After Volar Plating of Distal Radius Fracture: Correlation with Position of Volar Plate
Hyun-Joo Lee [1], Maria Florencia Deslivia [2], Suk-Joong Lee [3], Joon-Woo Kim [1], Chang-Wug Oh [1], Dong-Hee Kim [4]
[1] Department of Orthopaedic Surgery, Kyungpook National University, Daegu, South Korea; [2] Department of Orthopaedic Surgery, St. Carolus Hospital, Jakarta, Indonesia; [3] Department of Orthopaedic Surgery, Keimyung University, Dongsan Medical Center, Daegu, South Korea; [4] Department of Orthopaedic Surgery, Samsung Medical Center, Changwon Hospital, Changwon, South Korea

A-0343 Intra-patient controlled outcome measures of Zone 1/2 EPL repairs post 4-weeks immobilisation, and cost analysis
Ali Arnaout [1], Paul Caine [1], Elizabeth Mawby [2], Christopher Powell [1]
[1] Department of Plastic, Burns and Reconstructive Surgery, Stoke Mandeville Hospital, Buckinghamshire NHS Foundation Trust, Aylesbury, UK; [2] Department of Physiotherapy, Stoke Mandeville Hospital, Buckinghamshire NHS Foundation Trust, Aylesbury, UK

A-0345 Expanded Outcomes from an International Registry Study on Processed Nerve Allografts in Upper Extremity Nerve Repairs
Bauback Safa [1], Jaimie T. Shores [2], Yasser El-Sheikh [3], Timothy R. Niacaras [4], Leon J. Nesti [5], Ian Valerio [6], Dominic M Power [7], Mehir J. Desai [8], Gregory M Buncke [1]
[1] The Buncke Clinic, San Francisco, USA; [2] Johns Hopkins University, Baltimore, USA; [3] North York Hospital, Toronto, Canada; [4] JPS Health Network, Forth Worth, USA; [5] Walter Reed National Military Medical Center, Bethesda, USA; [6] Ohio State University, Columbus, USA; [7] Queen Elizabeth Hospital, Birmingham, UK; [8] Vanderbilt University Medical Center, Nashville, USA

A-0346 Use of Processed Human Umbilical Cord in Peripheral Nerve Surgery: Clinical Case Series
Bauback Safa [1], Andrew Watt [1], Paul Sibley [2], Robert Hagan [3], Mark S Rekant [4], Harry Hoyen [5], Brendan Mackay [6], Gregory Buncke [1]
[1] The Buncke Clinic, San Francisco, USA; [2] Hand and Upper Extremity Surgery, Allentown, USA; [3] Neuropax Clinic, St Louis, USA; [4] The Philadelphia Hand Center, Philadelphia, USA; [5] MetroHealth System, Cleveland, USA; [6] Texas Tech University, Lubbock, USA

A-0349 Case report. Reconversion of a CMC arthrodesis into a prostheses.
Francisco Cuadrado Abajo, Higinio Ayala Gutiérrez, Manuel Rubén Sánchez Crespo, José Couceiro Otero, Olga María Vélez García, María de los Ángeles de la Red Gallego, Fernando del Canto Álvarez, Marta de Prado Tovar, Vanesa Martínez Cortavitarte
Marqués de Valdecilla Universitary Hospital, Santander, Spain

A-0350 A 10 Year Review of Flexor Tendon Repair at a Single Institute
Tamer Ali, Jacqueline Fowler
Royal Devon and Exeter NHS Foundation Trust, UK

A-0351 Characterization of Minimally Processed Placental Umbilical Cord Membranes Developed for use as a Surgical Implant for Peripheral Nerve
Curt Deister, Stefanie Villender, Anne Engemann, Brian Romot; Erick DeVinney
AxoGen, Alachua, USA

A-0352 Possible systemic adverse effects in Clostridium Histolyticum Collagenase (CCH) treatment of Dupuytren contracture
Joachim Ganser, Moritz Scholtes
Department of Hand and Plastic Surgery, Kantonsspital Münsterlingen, Switzerland

A-0360 Improving Management of Paediatric Buckle Fracture in Orthopaedic Outpatients: A Completed Audit Loop
MN Baig, Usman Baig, C Egan
Orthopaedics, Galway University Hospital, Galway, Ireland

A-0365 Massons's Tumor of the Hand
J Rodriguez-Miralles, A Escola Benet, G Bucci, G Fallone Lepi
Hospital Universitari General de Catalunya, Sant Cugat del Valles, Barcelona, Spain

A-0367 Return to Play in High Level Athletes After Thumb Ulnar Collateral Ligament Repair with Suture Tape Augmentation
Daniel Gibbs, Anthony De Giacomo, Steven S Shin
Kerlan Jobe Orthopaedic Clinic, Los Angeles, USA

A-0368 Outcome of modified hemihammate arthroplasty in patients presenting after six weeks of injury
Mohammed Tahir Ansari [1], Swapnil Singh [1], Prakash P Kotwal [2]
[1] All India Institute of Medical Sciences, New Delhi, India; [2] Pushpawati Singhania Research Institute, New Delhi, India

A-0370 Outcome of pulley reconstruction in patients of de Quervain`s tenosynovitis
Mohammed Tahir Ansari, Swapnil Singh
All India Institute of Medical Sciences, New Delhi, India

A-0371 Can we replace the electrophysiologic study with the ulatrasonographic examination in the diagnosis of carpal tunnel syndrome?
Chae Seungbum
Daegu Catholic University Medical Center, Daegu, South Korea

A-0372 Wrist Swelling in Kienböck's Disease
Ryogo Nakamura [1], Hirofusa Ichinose [2], Etsuhiro Nakao [1], Takaaki Shinohara [1], Masahiro Tatebe [3]
[1] Nagoya Hand Center, Nagoya, Japan; [2] Fujita Health University, Aichi, Japan; [3] Nagoya University, Nagoya, Japan

A-0373 Cortical changes may be responsible for the limited functional recovery in patients with Obstetrical Brachial Plexus Injury
Zeynep Tuna [1], Deran Oskay [1], Oktay Algin [2], Orhan Murat Koçak [3]
[1] Gazi University Faculty of Health Sciences Department of Physiotherapy and Rehabilitation, Ankara, Turkey; [2] Atatürk Education and Research Hospital, Ankara, Turkey; [3] Kirikkale University Faculty of Medicine Department of Psychiatry, Turkey

A-0374 Outcome of scaphoid fractures – Single unit experience
Hannah Ng Jia Hui [1], Sellakkuddy Selvaganesh [1], Bosco Jie [2], Jane Sim [3], Vaikunthan Rajaratnam [1]
[1] Department of Orthopaedic Surgery, Khoo Teck Puat Hospital, Sri Lanka; [2] Department of Radiology, Khoo Teck Puat Hospital, Sri Lanka; [3] Department of Occupational Therapy, Khoo Teck Puat Hospital, Sri Lanka

A-0375 Revision arthroscopic surgery for tennis elbow
Takuro Wada, Takashi Oda, Akira Saito
Saiseikai Otaru Hospital, Otaru, Japan

A-0376 Cylindrical Serial Static Orthoses for the Treatment of Proximal Inter- Phalangeal (PIP) Joint Flexion Contractures
Maryam Farzad, Deborah A. Schwartz, Fereydoun Layeghi, Erfan Shafiee, Mokhtar Arazpour
The University of Social Welfare and Rehabilitation Sciences, Velenjak, Tehran, Iran

A-0378 Flap selection for soft tissue coverage of the posterior elbow
Miguel Moron, Thuan Ly, Claudia Meuli-Simmen, Itai Pasternak
Clinic for Hand, Reconstructive and Peripheral Nerve Surgery, Cantonal Hospital of Aarau, Switzerland

A-0379 Prevalence and prognostic value of increased uptake in bone SPECT/CT in asymptomatic wrists
Pascal Ducommun, Urs Hug
Division of Hand and Plastic Surgery, Lucerne Cantonal Hospital, Switzerland

A-0380 Risk Factor for Postoperative Correction Loss in Patients with Distal Radius Fracture over 50 Years of Age: In Association with Osteoporosis
Masato Shigi, Takeshi Egi, Yusuke Sogabe
Osaka Saiseikai Nakatsu Hospital, Osaka, Japan

A-0382 Prevalence and the influence of trapeziometacarpal arthritis on patients with carpal tunnel syndrome.
Kaori Sugiura [1], Takao Omura [2], Michihito Miyagi [2], Hiroaki Ogihara [3], Tomokazu Sawada [4], Yukihiro Matsuyama [2]
[1] JA Shizuoka Kohseiren Enshu Hospital, Japan; [2] Hamamatsu Univercity School of Medicine, Japan; [3] Japanese Red Cross Hamamatsu Hospital, Japan; [4] Shizuoka City Shizuoka Hospital, Japan

A-0383 Scapholunate instability: an assessment of the stress strain relation and type of failure after capsulodesis.
D. Bakker [1,3], G. A. Kraan [1], N. M. C. Mathijssen [1], J. W. Colaris [2], G. J. Kleinrensink [3]
[1] Reinier de Graaf Groep, Department of Orthopaedic Surgery, Delft, The Netherlands; [2] Erasmus Medical Centre, Department of Orthopaedic Surgery, Rotterdam, The Netherlands; [3] Erasmus Medical Centre, Department of Neuroscience, Rotterdam, The Netherlands

A-0385 Surgery for STT-osteoarthritis with STPI - a six year follow up study
David Eckerdal [1,2], Nina Vendel [3], Lars B. Dahlin [1,2], Marianne Nygaard [2], Niels Söe [4]
[1] Department of Translational Medicine – Hand Surgery, Lund University, Malmö, Sweden; [2] Department of Hand Surgery, Skåne University Hospital, Malmö, Sweden; [3] Department of Operation, Anaesthesiology and Day Care Surgery Q, Herlev and Gentofte, University Hospital, Denmark; [4] Handsection, Department of Orthopaedic, Herlev and Gentofte University Hospital, Denmark

A-0386 Radiocarpal dislocation with volar rim avulsion fracture of lunate facet of the distal radius
Youn Moo Heo [1], June Bum Jun [1], Sang Ki Lee [2]

[1] Konyang University Hospital, Daejeon, South Korea; [2] Eulji University Hospital, Daejeon, South Korea

A-0387 Osteomyelitis of the hand: validation of a treatment protocol
Marco Borsetti, Federica Bergamin, Claudia Cerato, Alessandra Clemente, Ezio Gangemi, Silvia Germano
Departement of Plastic Surgery, Hand Surgery and Microsurgery

A-0392 Rescue Technique of Distal Falange of the Thumb Secondary to Acute Osteomyelitis
Alberto Castellón, Matías Núnez, Ignacio Fernández
Instituto de Seguridad del Trabajo, Viña del Mar, Chile

A-0393 Current status of bone mineral density examination and osteoporosis treatment in patients with distal radius fractures
Kotaro Okamoto [1], Satoshi Takei [1], Takeshi Oki [1], Kiyohito Takamatu [2]
[1] Hankai Hospital Orthopedics, Japan; [2] Yodogawa Christian Hospital Orthopedics, Japan

A-0396 Functional Results in Radial Head Fractures: Arthroplasty v/s Cupulectomy. Descriptive study
Matias Núnez [1], Alberto Castellón [1], Ignacio Fernández [1], Felipe Hughes [1], Enrique Johow [1], Rodrigo Pérez [2]
[1] Instituto de Seguridad del Trabajo, Viña del Mar, Chile; [2], Universidad Andres Bello, Viña del Mar, Chile

A-0398 A Descriptive Study on Radial Club Hand
Shringari Mahadevaiah Venugopal, Bhaskaranand Kumar, Gudaru Jagadesh
B.I.R.R.D. (T) Hospital, T.T.D.,Tirupati, Andhra Pradesh, India

A-0400 Long-Term Functional Outcome and Complications in 182 Surgically Managed Proximal and Middle Phalanx Fractures: A Retrospective Cohort Study
Thomas J.M. Kootstra [1], M. van Heijl [2], J. Keizer [1], R.M. Houwert [3], Ph. Wittich [1], E.J.M.M. Verleisdonk [2], D. van der Velde [1]
[1] Department of Surgery, St. Antonius Hospital Nieuwegein, the Netherlands; [2] Department of Surgery, Diakonessenhuis Utrecht, the Netherlands; [3] Department of Surgery, Universitair Medisch Centrum Utrecht, the Netherlands

A-0402 Brachioradialis muscle tendon transposition in extensor pollicis longus reconstruction: a new surgical approach
Pierfrancesco Pugliese, Pier Paolo Pangrazi, Francesco De Francesco, Michele Riccio
Department of Reconstructive Plastic Surgery - Hand Surgery Unit, Ancona Teaching Hospital, Italy

A-0404 Endoprosthesis of elbow joint for tumors of the bone
Volodymyr Protsenko [1], Volodymyr Chornyi [2]
[1] Institute of Traumatology and Orthopedics of NAMS of Ukraine; [2] Bogomolets National Medical University, Ukraine

A-0409 Epidemiology of Major Peripheral Nerve Repair at a Level-1 Trauma Center Over a 15 Year Period
Karan Dua [1], Lucas Fishman [2], Nathan O'Hara [2], Raymond A. Pensy [2], Walter A. Eglseder [2], Joshua M. Abzug [2]
[1] SUNY Downstate Medical Center, Brooklyn, New York, USA; [2] University of Maryland School of Medicine, Baltimore, Maryland, USA

A-0411 Percutaneous bone graft and screw fixation for early scaphoid nonunion.
Kahhaleh Edward [1], El Kazzi Wissam [2]
[1] Charleroi University Hospital, Charleroi, Belgium; [2] Erasme University Hospital, Brussels, Belgium

A-0414 De Quervain's Desease: Simple Release vs. Pulley Reconstruction
Landino Cugola, Enrico Carità
Clinica San Francesco, Verona, Italy

A-0415 All Arthroscopic Foveal Repair of TFCC with Suture Anchor in Young Adult Patients
JuiTien Shih
Armed Forces Taoyuan General Hospital, Taoyuan, Taiwan

A-0419 The Association between Bony Structure and the Distribution of Forces between the Radius and Ulna in Normal Wrists
Ronit Wollstein [1,2], Aviv Kramer [3], Frederick Werner [4]
[1] New York University, NY, USA; [2] University of Pittsburgh, Pittsburgh, PA, USA; [3] Technion, Israel Institute of Technology, Israel; [4] SUNY, Syracuse, NY, USA

A-0421 The Effect of Sequential Sectioning and Reconstruction of the A2 and A4 pulleys on Joint Range of Motion and Tendon Load
Mohammad Haddara [1,2], Brett Byers [2], Louis Ferreira [1,2], Nina Suh [2]
[1] Department of Biomedical Engineering, University of Western Ontario, London, ON, Canada; [2] Roth|McFarlane Hand and Upper Limb Centre, St. Joseph's Hospital, London, ON, Canada

A-0422 Results of arthroscopic loose body excision and abrasion for osteochondritis dissecans of the elbow in fragment detached phase
Takeshi Egi [1], Masato Shigi [1], Yusuke Sogabe [1], Masahiko Tohyama [2]
[1] Osaka Saiseikai Nakatsu Hospital, Osaka, Japan; [2] Osaka Rosai Hospital, Sakai, Japan

A-0423 rewieving failures of thumb basis prosthesis with trapezium reconstruction and CMI interposition
Jean Louis Bovet [1], Marion Bricout [1], Moujoud Morchikh [1], Hugues Tiemdo [1,2]
[1] Polyclinique Jean Villar, Bordeaux, France; [2] Clinique Charles de Gaulle, Douala, Cameroun

A-0424 Prevalence of hand injuries referred to a hand therapy clinic in Kuwait
Mohammed SH. Nadar, Ghayda' Faisal, Naser AlOtaibi
Faculty of Allied Health Sciences - Kuwait University

A-0425 A chronic case of the MP joint locking of the thumb treated with joint distraction using the external fixator
Yasumasa Nishiura [1], Sho Kohyama [2], Sho Iwabuchi [2], Ryosuke Fukai [2], Yuki Hara [2]
[1] Tsuchiura clinical education and training center, Tsukuba University Hospital, Tsuchiura, Japan; [2] Department of Orthopaedic Surgery, Graduate School of Comprehensive Human Sciences, University of Tsukuba, Tsukuba, Japan

A-0426 Percutaneous miniinvasive osteotomy in malunited phalangeal finger fractures in children - Needle-osteotomy
Eva Matoušková, Mária Kučerová, Petr Havránek
Departement of Pediatric Surgery and Traumatology, Thomayer Hospital, Prague, Czech Republic

A-0428 Cast immobilization with the wrist of extension for the treatment of distal radius fractures in elderly patients
Daichi Ota, Mikiro Kondo, Mikio Harada, Masatoshi Takahara
Center for Hand, Elbow and Sports Medicine, Izumi Orthopedic Hospital, Sendai, Japan

A-0432 Hemi-hamate autograft arthroplasty for dorsal dislocation fracture of the proximal interphalangeal joint: The relation between autograft size and post-operative range of motion
Hidetsugu Suzuki [1], Satoshi Usami [2], Sanshiro Kawahara [2], Takuma Wakasugi [3], Ritsuro Shirasaka [1], Koji Fujita [4]
[1] Tsuchiura Kyodo General Hospital, Ibaraki, Japan; [2] Takatsuki Orthopaedic Hospital, Tokyo, Japan; [3] Konan Hospital, Ibaraki, Japan; [4] Tokyo Medical and Dental University, Tokyo, Japan

A-0433 Considerations in diagnosing an extra-articular fracture of distal radius by plain radiographs
Jin Young Kim, Dong Mo Kang, Jae Hyun Kim
Department of Orthopedic Surgery, Dongguk University Ilsan Hospital, Goyang, South Korea

A-0436 Predictive factors in splinting therapy for carpal tunnel syndrome
Ryosuke Ikeguchi, Souichi Ohata, Hiroki Oda, Hirofumi Yurie, Hisataka Takeuchi, Sadaki Mitsuzawa, Bungo Otsuki, Shuichi Matsuda
Department of Orthopedic Surgery, Kyoto University, Japan

A-0438 Trapeziometacarpal Arthrodesis t using a quadrangular plate: long-term results of 70 patients
Veronica Jímenez Díaz, Migue Porras Moreno, Lorena García Lamas
Hospital 12 de Octubre, Madrid, Spain

A-0439 Factors influencing outcome after operated distal radius fracture
Adrienn Lakatos, Balazs Lenkei, Zsolt Szabo
Hand Surgery Center Miskolc, Hungary

A-0445 Neurotisations in brachial plexus injuries – results of 7 years
Ulrike Schnick, Richarda Boettcher
Unit for reconstructive Surgery in Brachial Plexus Injuries, Tetraplegia and Cerebral Disorders, Unfallkrankenhaus Berlin, Germany

A-0448 Scaphoid fracture treatment through a percutaneous volar approach
Gonzalo Luengo Alonso, Miguel Angel Porras Moreno, Veronica Jimenez Diaz, Lorena Garcia Lamas, David Cecilia Lopez
Hospital 12 de Octubre Madrid, Spain

A-0451 The introduction of human adipose derived Mesenchymal Stem Cells to clinically available nerve replacement treatments
Femke Mathot [1,2], Nadia Rbia [1], A.T. Bishop [2], S.E.R. Hovius [1], A.Y. Shin [2]
[1] Erasmus Medical Center, Rotterdam, The Netherlands; [2] Mayo Clinic, Rochester, Minnesota, USA

A-0453 Inter and Intra Rater Reliability of "Brachial Plexus Outcome Measurement" in Children with Brachial Plexus Palsy on Turkish Version
Safiye Özkan [1], Zeynep Hoşbay [2], Müberra Tanrıverdi [2], Atakan Aydın [1]
[1] Istanbul University, Faculty of Medicine, Department of Plastic and Reconstructive Surgery, Istanbul, Turkey; [2] Bezmialem Vakif University, Faculty of Health Sciences, Department of Physiotherapy and Rehabilitation, İstanbul, Turkey

A-0455 Is There Any Relationship Between Range of Motion and Mallet Classification in Children with Obstetric Brachial Plexus Palsy?
Zeynep Hoşbay [1], Safiye Özkan [2], Müberra Tanrıverdi [1], Ömer Berköz [2]
[1] Bezmialem Vakıf University, Faculty of Health Sciences, Department of Physiotherapy and Rehabilitation, Turkey; [2] İstanbul University, Faculty of Medicine, Department of Plastic and Reconstructive Surgery, Turkey

A-0456 The evaluation of Dupuytren's contracture with the long axis images of ultrasonography for safety of Collagenase Clostridium Histolyticum injection
Issei Nagura [1], Takako Kanatani [1], Yoshifumi Harada [1], Masatoshi Sumi [1], Atsuyuki Inui [2], Yutaka Mifune [2], Ryosuke Kuroda [2]
[1] Department of Orthopaedic Surgery, Kobe Rosai Hospital, Kobe, Japan; [2] Department of Orthopaedic Surgery, Kobe University Graduate School of Medicine, Kobe, Japan

A-0458 The Relationship Between Involvement Type and Upper Limb Functions of Children with Obstetric Brachial Plexus Palsy
Safiye Özkan [1], Zeynep Hoşbay [2], Müberra Tanrıverdi [2], Ömer Berköz [1], Türker Özkan [1]

[1] Istanbul University, Faculty of Medicine, Department of Plastic and Reconstructive Surgery, Istanbul, Turkey; [2] Bezmialem Vakif University, Faculty of Health Sciences, Department of Physiotherapy and Rehabilitation, Istanbul, Turkey

A-0460 Surgical treatment for palmar fracture-dislocation of the proximal interphalangeal joint
Michio Okamoto, Jiro Namba, Koji Yamamoto
Toyonaka Municipal Hospital, Toyonaka, Japan

A-0462 Treatment of Preiser disease with vascularized bone graft from the distal radius: a report of two cases
Sergio Gama, Samuel Ribak, Marcelo Rezende
Pontificia Universidade Católica de Campinas, Brazil

A-0463 Brachial Plexus injuries associated with vascular lesions: primary vs secondary repair
Teodor Stamate [1], Camelia Tamas [1], Radu Budurca [1], Mariana Stamate [2], Ionut Atanasoae [1], Ionut Topa [1]
[1] University of Medicine and Pharmacy “Gr.T.Popa”, Iasi, Romania; [2] Laboratory of Neurophysiology – Neurosurgery Hospital, Iasi, Romania

A-0465 Biomechanical Analysis of Spiral Fracture Pattern in a Human Metacarpal using a Chicken Humerus Model
Abby Choke [1], Ou Yang You Heng [3], Alyssa Toh LiYu [2], Wong Yoke Rung [2], Muntasir Choudhary [1], Duncan Angus McGrouther [1,2]
[1] Department of Hand Surgery, Singapore General Hospital, Singapore; [2] Biomechanics Laboratory, Singapore General Hospital, Singapore; [3] Department of Orthopedics Surgery, Singapore General Hospital, Singapore

A-0466 Use of wire in olecranon fractures Necessary or dispensable? Tension band fixation using high strength sutures
Martín Rodríguez, Santiago Argüelles, Jorge Soutullo, Enrique Pereira
Instituto Argentino de Diagnóstico y Tratamiento, Buenos Aires, Argentina

A-0470 Treatment of scaphoid nonunion by one, two headless compression screws or plate with or without Extracorporeal Shock Wave Therapy
Stefan Quadlbauer [1,2,3], Christoph Pezzei [1], Josef Jurkowitsch [1], Thomas Beer [1], Thomas Hausner [1,2,3], Martin Leixnering [1]
[1] AUVA Trauma Hospital Lorenz Böhler - European Hand Trauma Center, Vienna, Austria; [2] Ludwig Boltzmann Institute for Experimental und Clinical Traumatology, AUVA Research Center, Vienna, Austria; [3] Austrian Cluster for Tissue Regeneration, Austria

A-0473 Nerve conduits for treating peripheral nerve injuries: A systematic literature review
J. Braga Silva, G. M. Marchese, C. G. Cauduro, M. Debiasi
PUCRS University, Porto Alegre, Brazil

A-0474 Dorsal Forearm Adipofascial Turnover Flap for Complex Hand Injuries
J Braga Silva
PUCRS University, Porto Alegre, Brazil

A-0475 Fingertip and nail bed injuries: treatment and prognosis
J Braga Silva
Pucrs University, Porto Alegre, Brazil

A-0476 Replantation and revascularization of the hand and fingers
Dražan Erić [1], Jelena Erić [2]
[1] Department of Plastic, Reconstructive and Hand Surgery, University Hospital Foca, Bosnia and Herzegovina; [2] Faculty of Medicine, University of East Sarajevo, Bosnia and Herzegovina

A-0477 The Main Types of Mistakes in the Treatment of Wrist Pathology and The Principles of Their Prevention
S. Strafun, S. Tymoshenko, A. Lysak, S. Bezruchenko
State Institution "Institute of Traumatology and Orthopedics of NAMS of Ukraine", Kyiv, Ukraine

A-0480 Naviculocapitate syndrome in a polytraumatized patient, percutaneous fixation with cannulated screws
Fidel Cayon [1,2,3], Luis LaTorre [1], Daniel Saavedra [1]
[1] Clinica El Bosque, Bogotá, Colombia; [2] Centro de Especialidades Ortopedicas, Quito, Ecuador; [3] Hospital Metropolitano, Quito, Ecuador

A-0483 Distraction Osteogenesis for Correction of Distal Radius/ Ulna Deformity After Physeal Arrest .
Emygdio JL de Paula, Edgard Novaes França Bisneto, Renata Gregorio Paulos
Grupo de Mão e Microcirurgia do Hospital das Clínicas da Universidade de São Paulo, Brazil

A-0485 Outcomes of the treatment of hand degloving injuries with greater omentum flaps
Andrzej Zyluk
Department of General and Hand Surgery, Pomeranian Medical University in Szczecin, Szczecin, Poland

A-0486 Biomechanical characterization of digital collateral nerves in cadavers
Santiago Salazar Botero [1,2], Sophie Honecker [1,2], Hamdi Jmal [2], Nadia Bahlouli [2], Philippe A Liverneaux [1,2], Sybille Facca [1,2]
[1] Department of Hand Surgery SOS main CCOM University Hospital of Strasbourg, Illkirch, France; [2] Laboratory ICube CNRS UMR 7357 University of Strasbourg, Strasbourg, France

A-0487 An analysis of patient’s and disease related factors predictive of the outcomes of surgery for carpal tunnel syndrome
Andrzej Zyluk, Paulina Zyluk-Gadowska, Piotr Puchalski, Zbigniew Szlosser
Department of General and Hand Surgery, Pomeranian Medical University in Szczecin, Szczecin, Poland

A-0488 Factors involving the clinical profile of carpal tunnel syndrome
Andrzej Zyluk, Paulina Zyluk-Gadowska, Piotr Puchalski, Zbigniew Szlosser
Department of General and Hand Surgery, Pomeranian Medical University in Szczecin, Szczecin, Poland

A-0489 Pain control in chronic, refractory CRPS by continuous brachial plexus analgesia
Andrzej Zyluk, Zbigniew Szlosser
Department of General and Hand Surgery, Pomeranian Medical University in Szczecin, Szczecin, Poland

A-0491 Rescue of failure of fibrous interposition arthroplasty with Maia prostheses in CMC arthritis
C. Martinez Andrade, M Cruz, O Escudero, MC Castro, JM Morell, F Castillo
Hospital Dos de Maig, Barcelona, Spain

A-0500 Treatment of articular fractures of distal humerus with Persian fixation
Reza Sh. Kamrani [1,2]
[1] Tehran University of Medical Sciences; [2] Joint Reconstruction Research Center of TUMS

A-0501 Denervation of the small joints of the hand - an under-utilised treatment option
Simon Nicholson, Jill Arrowsmith
Pulvertaft Hand Centre, Derby, UK

A-0504 Acute finger joints replacement with silastic spacers in compound injuries of the hand
Inga Besmens, David Jann, Olga Politikou, Maurizio Calcagni, Thomas Giesen
University Hospital of Zurich, Department of Plastic Surgery and Hand Surgery, Zurich, Switzerland

A-0506 A prospective, multicentre clinical trial to assess safety and efficacy of a synthetic cartilage implant for treatment of Eaton-Littler stage II/III first CMC joint osteoarthritis: Cartiva GRIP Trial
L. Chris Bainbridge [1], Charles S. Day [2], Philip Sauvé [3], Sanjay Miranda [4], Paul Binhammer [5], Grey Giddins [6], David Lawrie [7], Jonathan Lee [8], Andrew Trenholm [9], Erin Brown [10]
[1] Pulvertaft Hand Centre, Royal Derby Hospital, Derby, UK; [2] Department of Orthopedic Surgery, St. Elizabeth's Medical Center, Brighton, Massachusetts, USA; [3] Department of Orthopaedic Surgery, Queen Alexandra Hospital, Portsmouth Hospitals NHS Trust, Hampshire, UK; [4] Department of Trauma and Orthopaedics, The James Cook University Hospital, South Tees Hospitals NHS Foundation Trust, Middlesbrough, United Kingdom; [5] Department of Plastic Surgery, Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada; [6] Department of Orthopaedics, Royal United Hospital, Bath, UK; [7] Woodend Hospital, NHS Grampian, Aberdeen, UK; [8] Department of Plastic Surgery, University of Calgary, Calgary, Alberta, Canada; [9] Division of Orthopaedic Surgery, Dalhousie University and Queen Elizabeth Health Sciences Centre, Halifax, Nova Scotia, Canada; [10] Department of Surgery, University of British Columbia, Vancouver, British Columbia, Canada

A-0509 Arterial aneurysms of the hand
Roberta Sartore, Filippo Zanotti, Vito Zanella, Leone Pangallo, Massimo Corain
Hand Surgery Department, Verona University Hospital, Verona, Italy

A-0514 Results, complications and limitations of using Collagenase Clostridium histolyticum in patients with Dupuytren´s disease Tubiana stadium I – IV
P. Reb [1], S. Quadlbauer [1], Ch. Pezzei [1], T. Beer [1], J. Jurkowitsch [1], T. Keuchel [1], T. Hausner [1 2], M. Leixnering [1]
[1] Lorenz Böhler Trauma Hospital Vienna, Austria; [2] Ludwig Boltzman Institute Vienna, Austria

A-0516 Carpal Tunnel Syndrome due to Lipoma - A Case Report
Gyeong Min Kim, Seungjae Shim, Kyu Bum Seo
Jeju National University Hospital, Jeju, South Korea

A-0517 Does degeneration of triangular fibrocartilage complex improve after ulnar shortening osteotomy?
Jihyeung Kim, Sang Hyun Park, Kee Jeong Bae, Hyun Sik Gong, Young Ho Lee, Goo Hyun Baek
Department of Orthopaedic Surgery, Seoul National University, College of Medicine, Seoul, South Korea

A-0518 Clinical results of rim plate for marginal fractures of distal radius; whether carpal tunnel release can reduce the risk of carpal tunnel syndrome
Shotaro Kamijo, Keikichi Kawasaki, Kazutoshi Kubo, Tetsuya Nemoto, Hiroshi Nishikawa, Katsunori Inagaki
Department of Orthopaedic Surgery, Showa University School of Medicine, Tokyo, Japan

A-0519 Endoscopic Transcarpal Lligament release with Platelet-rich Plasma for Carpal Tunnel Syndrome.
JuiTien Shih
Armed Forces Taoyuan General Hospital, Taoyuan, Taiwan

A-0561 Treatment of incomplete amputation of the forearm and wrist laceration cases with a dorsal ulnar artery flap
Hiroyuki Gotani, Hirohisa Yagi
Department of Hand and Microsurgery, Osaka Hospital of Sea Affairs and Relief Association, Japan

A-0521 The first rib–clavicular costoclavicular space is not always the narrowest: analysis of dynamic 3DCT after brachial plexography in thoracic outlet syndrome of traction type
Kiyohito Takamatsu [1], Akira Kawabata [1], Yasunari Awa [1], Megumi Ishiko [1], Ema Onode [2]
[1] Dept. of Orthop. Surg. Yodogawa Christian Hospital, Osaka, Japan; [2] Dept. of Orthop. Surg. Osaka City University, Osaka, Japan

A-0522 Surgical treatment of dysplasia epiphysealis hemimelica in the hand. A report of 6 cases.
Tetsuro Onishi[1], Takanobu Nishizuka[1], Shintaro Oyama[1], Tomonori Nakano[1], Hisao Ishii[1], Katsuyuki Iwatsuki[1], Shigeru Kurimoto[1], Michiro Yamamoto[1], Masahiro Tatebe[1], Hitoshi Hirata[1]
[1]Nagoya University Graduate School of Medicine, Nagoya, Japan

A-0523 The use of the Medartis Ulnar Shortening System in our department. Early results, tips, tricks and pitfalls
Constantinos Kritiotis, Zaf Naqui, Lindsay Muir
Manchester Hand Centre, Salford Royal NHS Foundation Trust, Manchester, UK

A-0524 Treatment for PIP joint flexion contracture in stenosing tendovaginitis using resection of the flexor digitorum superficialis.
Jiro Namba, Michio Okamoto, Koji Yamamoto
Toyonaka Municipal Hospital, Toyonaka, Japan

A-0526 Arterio-Venous Loop and Free Functioning Muscle Transfer in Brachial Plexus Injured Patients with Insufficient Donor Arterial Flow (Subclavian artery injury)
Panai Laohaprasitiporn, Saichol Wongtrakul, Roongsak Limthongthang, Panupan Songcharoen, Torpon Vathana
Department of Orthopaedic Surgery, Faculty of Medicine Siriraj Hospital, Mahidol University Bangkok, Thailand

A-0527 Is AMPS a responsive tool for assessing change in ADL-abilities in patients undergoing rehabilitation after finger or hand surgery?
Thea Birch Ransby [1], Lisa Bay Johansen [2], Helene Nørgaard [2], Nanna Rolving [3]
[1] Faculty of Health, Aarhus University, Aarhus, Denmark; [2] Department of Physical and Occupational Therapy, Diagnostic Centre, Silkeborg Regional Hospital, Silkeborg, Denmark; [3] University Clinic of Innovative Patient Pathways, Diagnostic Centre, Silkeborg Regional Hospital, Silkeborg, Denmark

A-0775 Proximal Row Carpectomy with resurfacing of both lunate fossa and proximal capitate using a femoral osteochondral graft: A case Report
João Paulo Mussi, Christophe Camps, Alexandre Durand, Christophe Duysens, Rainer Andrea Falcone, Thomas Jager
Institut Européen de la Main, France

A-0528 Clinical Outcomes of Operative Repair Of Complete Rupture Of Collateral Ligament at the Proximal Interphalangeal Joint Of Fingers Using An Anchor
Young Hwan Kim, Jun Yong Kim
SoonChunHyang University Bucheon Hospital, Bucheon-si, South Korea

A-0529 Long-term follow-up after vascularized contralateral ulnar nerve transfer to median nerve in total arm type brachial plexus injury: case report
Panupan Songcharoen, Panai Laohaprasitiporn, Saichol Wongtrakul, Torpon Vathana, Roongsak Limthongthang
Department of Orthopedic Surgery, Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, Thailand

A-0530 Intraoperative monitoring during peripheral nerve surgery under ultrasound guided selective nerve block anesthesia
Shigeya Suzuki [1], Masashi Abe [1], Kio Suzuki [1], Yosuke Usui [2], Takao Omura [3], Yukihiro Matsuyama [3]
[1] Fujieda Municipal General Hospital, Fujieda, Japan; [2] Mizutani Pain Clinic, Shizuoka, Japan; [3] Hamamatsu University School of Medicine, Hamamatsu, Japan

A-0534 Breaking the traditions of large wounds with exposed bare tendons. Do the vacuum assisted dressing narrow down the flap indications and safeguard patients from critical stages?
Sellakkuddy Selvaganesh, Tan Shoun, Shanmugam Bharathi Mohan, Vaikunthan Rajaratnam
Khoo Teck Puat Hospital, Singapore

A-0535 Total Elbow Arthroplasty for Ankylosed Elbows in Rheumatoid Arthritis Patients
Kensaku Kuga [1], Takashi Masatomi [2], Yoshinori Takemura [3], Narihito Kodama [3], Shinji Imai [3]
[1] Japan Comunity Health care Organization Shiga Hospital, Shiga, Japan; [2] Yukioka Hospital Hand Surgery Center, Osaka, Japan; [3] Shiga University of Medical Science Hospital, Shiga, Japan

A-0536 Management of fingertip injuries with three dimensional controlled healing environment (3DCHE)
Sellakkuddy Selvaganesh, Cheyenne Kate Rebosura, Hannah Ng Jia Hui, Vaikunthan Rajaratnam
Khoo Teck Puat Hospital, Singapore

A-0537 Recovery of Motor Function after Mixed and Motor Nerve Repair with Processed Nerve Allograft
Bauback Safa [1], Jaimie T. Shores [2]; John V. Ingari [2], Renata V. Weber [3], Mickey Cho [4], Jozef Zoldos [5], Timothy R. Niacaras [6], Leon J. Nesti [7], Wesley P. Thayer [8]; Gregory M. Buncke [1]
[1] The Buncke Clinic, San Francisco, USA; [2] Johns Hopkins University, Baltimore, USA; [3] Multi-Disciplinary Specialists, Rutherford, USA; [4] San Antonio Military Medical Center; Fort Sam Houston, USA; [5] Phoenix, USA; [6] JPS Health Network, Fort Worth, USA; [7] Walter Reed National Military Medical Center; Bethesda, USA; [8]Vanderbilt University Medical Center; Nashville, USA

A-0538 Patient-specific implants for corrective osteotomies of malunited distal radii: “gadget” or essential tool?
ES Bodmer, M Marks, M Wehrli, St Schindele
Schulthess Klinik, Zürich, Switzerland

A-0540 The Avascular Proximal Pole Nonunion: is there a role for core decompression and biophysical treatment in bone union?
Pier Paolo Borelli
Casa di Cura San Camillo, Brescia, Italy

A-0541 amandys pyrocarbon wrist implants: results of a 5 year mean follow up
D Romani, CI Fulco, S Breda, L Cugola
Unità Funzionale di Chirurgia della Mano, Casa di Cura Privata Polispecialistica Dott. Pederzoli, Peschiera del Garda, Verona, Italy

A-0542 Peculiarities of upper limb's peripheral nerves recovery in patients with Volkmann's ischemic contracture
Sergii Strafun, Oleksii Dolhopolov, Serhii Bezruchenko
State Institution «The Institute of Traumatology and Orthopedics by the National Academy of Medical Sciences of Ukraine", Ukraine, Kyiv

A-0543 Intensity-based biplane 2D-3D registration for in-vivo three dimensional forearm rotational analysis
Shingo Abe [1,3], Kunihiro Oka [1], Yoshihito Ootake [2], Yuusuke Tennma [2], Yuuta Hiasa [2], Yoshinobu Sato [2], Satoshi Miyamura [1], Atsuo Shigi [1], Tsuyoshi Murase [1]
[1] Department of Orthopaedic Surgery, Osaka University Graduate School of Medicine, Suita, Japan; [2] Nara Institute of Science and Technology, Ikoma, Japan, [3] Toyonaka Municipital Hospital, Toyonaka, Japan

A-0548 Optimal Trials and Interval during Measurement of Maximal Handgrip Strength
Joon Yub Kim [1], Dong Hee Kim [2], Hyun-Joo Lee [3]
[1] Departments of Orthopedic Surgery, Myongji Hospital, Seonam University College of Medicine, South Korea; [2] Departments of Orthopedic Surgery, Samsung Changwon Hospital,Sungkyunkwan University School of Medicine, South Korea; [3] Departments of Orthopedic Surgery, Kyungbuk University Hospital,Kyungbuk University School of Medicine, South Korea

A-0549 3D forearm osteotomy assisted with preoperative customized template
María de los Ángeles de la Red, Carlos Garcés, Gonzalo García, José Couceiro, Higinio Ayala, Olga María Vélez, Manuel Sánchez
Hospital Universitario Marqués de Valdecilla; Santander; Spain

A-0550 False scapholunate ligament lesion. What´s behind?
Lorena García-Lamas, Veronica Jiménez-Díaz, Miguel Angel Porras, David Cecilia-López
12 de Octubre University Hospital, Madrid, Spain

A-0552 Osteotomy and extension block pinning for the malunited mallet finger with DIP joint subluxation: A Case Report
Yukinori Hayashi [1,2], Hiroyoshi Hagiwara [1,3], Takashi Ajiki [1], Akiko Takaiwa [3], Saori Mita [3], Katsushi Takeshita [1]
[1] Jichi Medical University Hospital, Tochigi, Japan; [2] Shin-Oyama City Hospital, Tochigi, Japan; [3] Tochigi Medical Center Shimotsuga, Tochigi, Japan

A-0555 Our experiencein radiocarpal fracture-dislocation treatment
Lorena García-Lamas, David Cecilia-López, Miguel Angel Porras-Moreno, Verónica Jimenez-Díaz
12 de Octubre University Hospital, Madrid, Spain

A-0559 Operative treatment of thumb metacarpophalangeal sesamoid lesion
Ho-Jung Kang [1], Won-taek Oh [2], Sang-yun Lee [1], Jung Jun Hong [1], Il-hyun Koh [3], Kam Jinhwa [1]
[1] Gangnam Severance Hospital, Seoul, South Korea; [2] Severance Hospital, Seoul, South Korea; [3] Yong-in Severance Hospital, Yong-in, South Korea

A-0562 The Outcome of "Cross-coupling Suture Button Suspensionplasty" for Thumb Carpometacarpal Joint Osteoarthritis - A Case Series -
Hideyuki Ota, Kentaro Watanabe, Yuki Fujihara, Atsuhiko Murayama
Department of Orthopedic Surgery, Nagoya Ekisaikai Hospital, Japan

A-0563 The study of redisplacement distal radius fractures using Monoaxial Locking Plate.
Takeshi Sakai [1,4,5], Keikichi Kawasaki [3], Naoya Nisinaka [1,2], Ken Yamasaki [4], Kouji Kanzaki [1], Katsunori Inagaki [3], Kenichirou Teramoto [5], Hidechika Nakashima [5]
[1] Department of Orthopedic Surgery, Showa University Fujigaoka Hospital Kanagawa, Japan; [2] Showa University Research Institute for Sport and Exercise Sciences Tokyo, Japan; [3] Department of Orthopedic Surgery, Showa University School of Medicine Tokyo, Japan; [4] Higashitotsuka Memorial Hospital Kanagawa, Japan; [5] Kumamoto Kinou Hospital Kumamoto, Japan

A-0565 Postoperative outcome of enchondroma of the hand with pathologic fracture
Michihito Miyagi [1], Takao Omura [1], Yoji Shido [1], Hiroaki Ogihara [2], Yukihiro Matsuyama [1]
[1] Department of Orthopedics Surgery, Hamamatsu University School of Medicine, Japan; [2] Hamamatsu Redcross Hospital, Japan

A-0566 Clinical Assesment of Extendon Tendon Tear in Patients with Epicondylitis
Cristóbal Greene [1,2], Guillermo Droppelmann [1], Arturo Verdugo [1]
[1] Clínica MEDS, Santiago, Chile; [2] Hospital DIPRECA, Santiago, Chile

A-0567 Quantitative measurement of proximal interphalangeal joint lateral stability using a three-dimensional motion capture system
Stefanie Hensler [1], Pascal Behm [3], Stephen J. Ferguson [3], Daniel B. Herren [2], Stephan Schindele [2]
[1] Department of Teaching, Research and Development, Schulthess Klinik, Zurich, Switzerland; [2] Department of Hand Surgery, Schulthess Klinik, Zurich, Switzerland; [3] Swiss Federal Institute of Technology (ETH), Zurich, Switzerland

A-0568 Comparative study on percutaneous and mini-open CTRs in idiopathic carpal tunnel syndrome
Yong-Suk Lee, Jin-Woo Kang, Seung Han Shin, Yang-Guk Chung
Department of Orthopedic Surgery, Seoul St. Mary's Hospital, College of Medicine, The Catholic University of South Korea

A-0569 The evaluation of in vivo distance measurement and dorsal screw penetration for volar plating of distal radius fractures.
Hiroaki Ogihara [1], Emi Makino [1], Takao Omura [2], Michihito Miyagi [2], Kaori Sugiura [3]
[1] Japanese Red Cross Hamamatsu Hospital, Japan; [2] Hamamatsu University School of Medicine, Japan; [3] JA Shizuoka Kohseiren Enshu Hospital, Japan

A-0571 Clinical outcomes of volar oblique ligament reconstruction in thumb basal joint arthritis
Dong Ho Kwak, Yong-Suk Lee, Jin-Woo Kang, Seung Han Shin, Yang-Guk Chung
Department of Orthopedic Surgery, Seoul St. Mary's Hospital, College of Medicine, The Catholic University of South Korea, Seoul, South Korea

A-0573 High-pressure injection injuries to the hand
Teodor Stamate, Camelia Tamas, Radu Budurca, Ionut Topa, Ionut Atanasoae
University of Medicine and Pharmacy "Gr.T. Popa" Iasi, Department of Plastic and Reconstructive Surgery, Iasi, Romania

A-0574 Distally based “fascia only” interosseous posterior flap for soft tissue reconstruction of the hand
Iva Neshkova, Michael Jakubietz, Silvia Bernuth, Karsten Schmidt, Rainer Meffert, Rafael Jakubietz
Department of Trauma, Hand, Plastic and Reconstructive Surgery, University Clinic Wuerzburg, Wuerzburg, Germany

A-0579 The elbow dynamic reconstruction with a latissimus dorsi muscle transfer after wide resection of malignant bone and soft tissue tumors in upper arm
Kosei Ando, Kodama Narihito, Yoshinori Takemura, Kento Kuga, Yoichirou Kuyama, Shinji Imai
Shiga University of Medical Science, Otsu, Japan

A-0580 Electrophysiological Epidemiology of Carpal Tunnel Syndrome
Tatsuki Ebata, Ikuo Nakai, Akira Kogure, Ken-ichiro Goto
Sakura Orthopaedic Hospital, Sakua, Japan

A-0581 Surgical Treatment of Recalcitrant Scaphoid Nonunions with Vascularized Bone Graft and Locking Plate
Keikichi Kawasaki, Hiroki Nishikawa, Tetsuya Nemoto, Takeshi Sakai, Yutaka Kubota , Shoutarou Kamijou, Katsunori Inagaki
Department of Orthopaedics, Showa University, Japan

A-0582 noninvasive assessment for carpal tunnel pressure using ultrasound elastgraphy
Kazutoshi Kubo [1,2], Boran Zhou [2], Yu-Shiuan Cheng [2], Kai-Nan An [2], Steven L. Moran [2], Peter C Amadio [2], Xiaoming Zhang [2], Chunfeng Zhao [2], Katsunori Inagaki [1]
[1] Orthopedic Surgery Department Showa University School of Medicine, Tokyo, Japan; [2] Mayo Clinic, Minnesota, USA

A-0583 Osteoarthritis of the thumb carpometacarpal joint – a comparative study about surgical techniques: suspension arthroplasty with abductor pollicis longus tendon vs bioresorbable RegJointTM implant
Anze Militarov, Janez Psenica, Mihael Kovac, Petra Rupar
General Hospital Jesenice, Jesenice, Slovenia

A-0584 Carpal malalignment analysis after distal scaphoid excision and tendon interposition in scapho-trapezio-trapezoid osteoarthritis
Michel Chammas, Charline Garçon, Adeline Cambon-Binder, Bertrand Coulet, Cyril Lazerges
Hand and Upper Extremity Surgery Unit, Lapeyronie University Medical Center, Montpellier, France

A-0585 From Lunate Type to Ulnar-Sided Wrist Pain
Flavien Mauler, Thuan Ly, Claudia Meuli-Simmen, Itai Pasternak
Kantonsspital Aarau, Switzerland

A-0587 Tow exceptional indications in the use of Maia prosthesis for tumors of the first metacarpal basis
Jean Louis Bovet [1], Hugues Tiemdjio [2]
[1] Clinique jean Villar Bruges Bordeaux France;[2] Clinique Charles de Gaulle Douala Cameroun

A-0588 Contralateral Medial Pectoral Nerve Transfere in Old Total Brachial Plexus Palsy
M Yavari, D Royeentan, H Mahmoudvand
Shahid Beheshti University of Medical Science, Tehran, Iran

A-0590 Our experience in treatment of neglected dislocations and fracture-dislocations of the elbow
IM Kurinnyi, OS Strafun, AS Lysak
State institution "Institute of Traumatology and Orthopedics of NAMS of Ukraine", Kyiv, Ukraine

A-0591 Influence of the remoteness of the injury on the results of surgical treatment of patients with fractures of the radial head and their consequences
IM Kurinnyi, OS Strafun, AS Lysak
State institution "Institute of Traumatology and Orthopedics of NAMS of Ukraine", Kyiv, Ukraine

A-0592 Concurrent validity of STI²™ - Shape-Texture-Identification - a test for tactile gnosis

Per Linnertz [1], Johanna Prieto Ek [2], Birgitta Rosén [1]
[1] Department of Translational Medicine – Hand Surgery, Skåne University Hospital, Lund University, Malmö Sweden; [2] Department of Health Sciences, Lund University, Sweden

A-0593 Avasucular Necrosis after Supracondylar Fractures of the Humerus in Children: Report of 5 cases.
Kayo Tsuzawa [1], Keikichi Kawasaki [1], Yukio Ueno [2], Katsunori Inagaki [1]
[1] Department of Orthopaedic Surgery, Showa University School of Medicine, Japan; [2] Ohta Nishinouchi Hospital, Japan

A-0595 Carpal tunnel syndrome in association with congenital hand anomalies in adults
HL Stark, B Crowley
Royal Victoria Infirmary, Newcastle-upon-Tyne, UK

A-0601 Total Wrist Arthroplasty and Total Wrist Arthrodesis for the Treatment of Wrist Arthritis
Onur Berber, Lorenzo Garagnani, Sam Gidwani
Guy's and St Thomas' Hospital, London, UK

A-0602 Pedicled Medial Plantar Artery Flap (Instep of Foot) in Non Weight-Bearing Areas of Lower Limb. Retrospective Study of 21 Cases
Luciano Ruiz Torres, Renata Gregorio Paulos, Luiz Sorrenti, Marcos Leonhardt, Teng Hsiang Wei, Tulio Diniz Fernandes, Marcelo Rosa de Rezende, Rames Mattar Junior.
Hospital das Clínicas da Faculdade de Medicina da Universidade de São Paulo. São Paulo, Brazil

A-0603 Elbow ankylosis: treatment by fascia lata interposition arthroplasty
Pierluigi Tos [1], Simona Odella [1], Bruno Battiston [2], Federico Palumbo [1], Sara Razza [1]
[1] Asst Pini-CTO, UOC Chirurgia della Mano e Microchirurgia Ricostruttiva, Milano, Italy; [2] AOU Città della Salute e Della scienza di Torino UO Ortopedia e Traumatologia, Chirurgia della Mano, Torino, Italy

A-0604 Test-retest reliability study of elbow and hand dynamometric assessment following distal biceps brachii tendon repair with a bone tunnel technique through a single incision. Preliminary results.
Spyridon Gigourtakis [2], Zacharias Christoforakis [1], Petros Kapsetakis [1], Anastasia Pitikaki [2], Georgios Koumantakis [3], Antonia Baxevani [2], Tzagkarakis Eustratios[4] , Bounakis Nikolaos [5]
[1] Orthopaedic Department, University Hospital of Heraklio, Heraklio, Crete, Greece; [2] Physiotherapy Private Practice, Heraklio, Crete, Greece; [3] Physiotherapy Department, 401 General Military Hospital of Athens, Athens, Greece, [4] Orthopaedic Surgeon, Private Practice, Heraklio, Crete, Greece [5] Orthopaedic Department, General Hospital of Irakleion Venizeleio - Pananeio, Heraklio, Crete, Greece

A-0605 Arthroscopic and radiographic evaluation after fluoroscopic open reduction and internal fixation of distal radius fractures with impacted intra-articular fragment
R. Fujitani [1], Y. Dohi [1], S. Omokawa [2], Hiroshi Ono [2], Y. Tanaka [3]
[1] Department of Orthopedics, Ishinkai-Yao General Hospital, Japan; [2] Department of Hand Surgery, Nara Medical University, Japan; [3] Department of Orthopedics, Nara Medical University, Japan

A-0607 Immediate Effects of Myofascial Releasing Technique in a Guitar Player with Upper Extremity Neurovascular Entrapment – A Case Report
Onur Seyrek [1], Burcu Semin Akel [2]
[1] Hacettepe University, Faculty of Health Sciences, Department of Physical Therapy And Rehabilitation, Ankara, Turkey; [2] Hacettepe University, Faculty of Health Sciences, Department of Occupational Therapy, Ankara, Turkey

A-0608 Metabolic Syndrome Affects Short Term Clinical Outcomes After Carpal Tunnel Surgical Release
George Mouzopoulos, Christos Vlachos, Zoe Alexakou, Margarita Ampadiotaki, Anastasia Tsembeli
Ortopaedic Department Sparti General Hospital, Sparti, Greece

A-0609 Functional and objective assessment of distal biceps brachii tendon repair with a non-widespread bone tunnel technique through a single incision. Preliminary results
Zacharias Christoforakis [1], Petros Kapsetakis [1], Spyros Gigourtakis [2], Gregory Chlouverakis [3], Anastasia Pitikaki [2], George Kontakis [1], George Koumantakis [4], Ioannis Galanakis [1]
[1] Orthopaedic Department, University Hospital of Heraklio, Greece; [2] Physiotherapy Private Practice, Heraklio, Greece; [3] Medical School, University of Crete, Greece; [4] 401 General Military Hospital of Athens, Greece

A-0613 Which Radiologic Parameters Affect the Clinical Outcome in Distal Radius Fractures In Elderly Treated Conservatively
George Mouzopoulos, Anastasia Tsembeli, Christos Vlachos, Margarita Ampadiotaki, Zoe Alexakou
Orthopaedic Department of Sparti General Hospital, Sparti, Greece

A-0614 Comparison of different mechanism plate fixations for the distal ulna fractures with concomitant the distal radius fractures
Kozo Morita
The Department of Orthopaedic Surgery, International Goodwill Hospital, Yokohama, Japan

A-0615 The effects of postoperative immediate active mobilization on repair site after repairing extensor Zone IV tendon with 3 various suture techniques
Samir Zeynalov [1], Eren Cansü [1], Ural Verimli [1], Abdulveli İsmailoglu [2]
[1] Marmara University Istanbul, Turkey; [2] Acibadem University Istanbul, Turkey

A-0621 Preliminary study of distal radius fractures in patients over 65 years old. Prospective analysis of 15 cases
J. Canosa, Ch. Gordo, J. Domingo, C. Esteve
Orthopaedic SErvice, Hospital del Vendrell, Tarragona, Spain

A-0625 Treatment of a non viable upper limb amputation with a sequence of operations
Ellada Papadogeorgou, Nikolaos Daniilidis
Interbalkan Medical Center, Thessaloniki, Greece

A-0626 Does compression by the transducer influence the measurement of thenar muscle morphometry by ultrasound? Comparison between water bath technique and direct contact method
Keitaro Fujino, Katsunori Ohno, Atsushi Yokota, Kenta Fujiwara, Masashi Neo
Department of Orthopedic Surgery, Osaka Medical College, Osaka, Japan

A-0627 Pollicization of the Second Finger For a Radial Hypoplasy
Alena Schmoranzova [1,2,3], Radek Kebrle [1], Tomas Hellmuth [1], Stepanka Docekalova [3], Eva Leamerova [2]
[1] Hand and Plastic Institute, Vysoke nad Jizerou, Czech Republic; [2] Department of Plastic Surgery, Faculty of Medicine, Charles University, Prague, Czech Republic; [3] Department of Plastic Surgery, Faculty of Medicine, Charles University, Hradec Kralove, Czech Republic

A-0632 Persistent neuropathic pain after nerve repair in the upper extremity
Antje Straatmann [1], Adriana Miclescu [2], Torbjörn Vedung [1]
[1] Department of Orthopedic and Hand Surgery, Uppsala University Hospital, Sweden; [2] Department of Surgical Sciences, Uppsala University Hospital, Sweden

A-0633 Video surgery for recurrent carpal tunnel: Interest and feasibility study.
Amirouche Dahmam, Gero Meyer zu Reckendorf, Jean-Luc Roux
Institut Montpelliérain de la Main, Montpellier, France

A-0634 The value of intra-operative fluoroscopy in total trapeziometacarpal joint arthroplasty.
Leen Vanlaer [1], Loïc Vercruysse [2], Pieter Caekebeke [1], Arne Decramer [2], Joris Duerinckx [1]
[1] Ziekenhuis Oost-Limburg, Genk, Belgium; [2] AZ Delta, Roeselare, Belgium

A-0635 Analysis of radial nerve paralysis caused by humeral shaft fracture
Ryo Okabayashi [1], Takao Omura [2], Takato Ohishi [1]
[1] Iwata City Hospital, Iwata, Japan; [2] Hamamatsu University School of Medicine, Hamamatsu, Japan

A-0636 Endoscopic exploration of the carpal tunnel during release of the median nerve.
Amirouche Dahmam, Jean-Luc Roux, Gero Meyer zu Reckendorf
Institut Montpelliérain de la Main, Montpellier, France

A-0637 Epidemiology of distal radius fractures in polytrauma patients and the influence of high traumatic energy
Steven Ferree, Quirine M.J. van der Vliet, Femke Nawijn, Abhiram R. Bhashyam, Roderick M. Houwert, Mark van Heijl, Luke P.H. Leenen, Falco Hietbrink
[1] Department of surgery, University Medical Centre Utrecht, The Netherlands; [2] Utrecht Traumacenter, Utrecht, The Netherlands; [3] Harvard Combined Orthopaedics Residency Program, Boston, MA, United States of America; [4] Department of surgery, Diakonessenhuis, Utrecht, The Netherlands

A-0638 Correlation of intraoperative radioscopy in fractures of distal radius between SKYLINE projections & FACET view versus post operative CT
Diego Junqueras, Pablo Orellana, Francisco Melibosky, René Jorquera, Peter Cobb, Juan José Valderrama
Clinica Indisa, Chile

A-0639 Comparison of two different processing method of detergent decellularization
Han-Vit Kang [1], Jin-Hyung Im [2], Myeong-Kyu Lee [3], Joo-Yup Lee [1]
[1] Department of Orthpedic Surgery, the Catholic University of Korea, South Korea; [2] Department of Orthpaedic Surgery, Gyeongsang National University Changwon Hospital, South Korea; [3] Korea Public Tissue Bank, South Korea

A-0640 What is the actual definition of carpal tunnel syndrome recurrence?
Petra Brinskelle, Saskia Kotschar, Birgit Michelitsch, Daniel Georg Gmainer, David Benjamin Lumenta
Division of Plastic, Aesthetic and Reconstructive Surgery, Department of Surgery, Medical University of Graz, Austria

A-0642 Arthroscopic control of Bennet's fracture-luxation
Jose M. Méndez-Lopez [1 2], Juan M. Gomez-Fernandez [1], Eva Rodriguez-Ferrer [1], Vinyet Reverter [2]
[1] Hand Unit, MC-Mutual, Barcelona, Spain; [2] Hand Unit, Universitary Hospital Sagrat Cor, Barcelona, Spain

A-0643 Advanced imaging for suspected scaphoid fractures using the MRI wrist 2 system
E Avisar, O Lisi, A Ger, Y Persitz, T Keren, K Barak, G Agar
Asaf Harofeh Medical Center affilated to Tel Aviv Univerity, Sackler Faculty of Medicine, Israel

A-0644 Little finger carpo-metacarpal post-traumatic arthritis treatment. A Solution through pyrocarbon interposition arthroplasty
Stefania Tanase [1], Jerome Jeudy [2], Alexandre Petit [2], Fabrice Rabarin [2], Yann Saint Cast [2], Guy Raimbeau [2]
[1] Central Military Hospital "Dr Carol Davila", Bucharest, Romania; [2] Centre de la Main, Trelaze, France

A-0645 Description of the extensor muscles origin around the lateral epicondyle. An anatomical study.
Verónica Jiménez-Díaz [1], David Cecilia-López [1], Lorena García-Lamas [1], Raúl Barco-Laakso [2], Jose Ramón Sañudo-Tejero [3]
[1] Hospital Universitario 12 de Octubre, Madrid, Spain; [2] Hospital Universitario La Paz, Madrid, Spain; [3] Universidad Complutense de Madrid, Spain

A-0653 10-year, 525 Cases Experience of Tumorous Conditions of the Hand
Ali Cavit [1], Osman Civan [2], Mesut Sancmis [3], Nazım Karalezli [4], Haluk Ozcanli [5], Elif İnanc Gurer [6]
[1] Uludag University Faculty of Medicine, Department of Orthopaedics and Traumatology, Division of Hand Surgery, Bursa, Turkey; [2] Yuksekova State Hospital, Department of Orthopaedics and Traumatology, Hakkari, Turkey; [3] Manavgat State Hospital, Department of Orthopaedics and Traumatology, Antalya, Turkey; [4] Sitki Kocman University Faculty of Medicine, Department of Orthopaedics and Traumatology, Mugla, Turkey; [5] Akdeniz University Faculty of Medicine, Department of Orthopaedics and Traumatology, Division of Hand Surgery, Antalya, Turkey; [6] Akdeniz University Faculty of Medicine, Department of Pathology, Antalya, Turkey

A-0646 Tension at nerve repair sites: What is the effect of trimming a nerve?
Joshua M. Abzug [1], Alexandria L. Case [1], Orlando Merced-O'Neill [2], Eric DeVinney [2]
[1] University of Maryland School of Medicine, Baltimore, Maryland, USA; [2] AxoGen, Inc., Alachua, Florida, USA

A-0648 Hand Dorsum Reconstruction: The Usefulness of Flaps and Regenerative Surgery Through a Retrospective Analysis of Ten Years Work of a Hand Surgery Department
Andrea Marchesini, Francesco De Francesco, Alexander Dietrich Neuendorf, Letizia Senesi, Michele Riccio
A.O.U. Ospedali Riuniti di Ancona, Department of Reconstructive Plastic Surgery, Hand Surgery, Ancona, Italy

A-0649 Ideal cup position in trapeziometacarpal joint arthroplasty: a biomechanical cadaver study
Annelien Brauns, Pieter Caekebeke, Joris Duerinckx
Ziekenhuis Oost-Limburg, Genk, Belgium

A-0652 Partial wrist arthrodesis in Cerebral Palsy Children
Caroline Leclercq [1], Catalina Parot [2,3]
[1] Institut de la Main, Paris, France; [2] Instituto Teletón, Santiago, Chile; [3] Hospital Luis Calvo Mackenna, Santiago, Chile

A-0650 Functional and Radiological Outcomes of Proximal Phalanx Fractures Treated with Closed Reduction And Percutaneous Fixation
Carlos Arroyo, Guillermo Varón, Helman Monroy, Viviana Cortes, Cesar Abril
Clinica FOSCAL, Bucaramanga. Colombia

A-0654 Results After Distal Digital Replantation - Is It Worth The Effort ?
Horst Zajonc, David Braig, Jan R. Thiele, Vincenzo Penna, G. Björn Stark, Steffen U. Eisenhardt
Clinic for Plastic and Hand Surgery, University Clinic of Freiburg, Freiburg, Germany

A-0658 Rapid methods of testing and teaching basic knowledge and skills on hand injuries and soft tissue trauma
Woan-Yi Chan, Gabriel Fleraru
Royal Devon and Exeter Hospital, UK

A-0660 Can changes in magnetic resonance imaging before and after surgery predict whether nerve conduction velocities improve after carpal tunnel release in chronic hemodialysis-associated carpal tunnel syndrome?
Nahoko Iwakura [1], Hisanori Fukaya [1], Yoshihito Takatsuki [1], Yasushi Terayama [2]
[1] Tokyo Women's Medical University, Japan; [2] Hasuda Hospital, Saitama, Japan

A-0661 Delayed Primary Flexor Tendon Repairs: How Late is Too Late?
Rehnuma Hossain, Shekhar Srivastava
University Hospitals Coventry and Warwickshire, Coventry, UK

A-0664 Early Detachment of Reverse Heterodigital Island Flaps
Jin Yong Shin, Jung Hoon Lee, Si-gyun Roh, Suk-Choo Chang, Nae-Ho Lee
Department of Plastic and Reconstructive Surgery, Chonbuk National University Hospital, Jeonju, South Korea

A-0665 Combined volar & dorsal approach for complex intra-articular distal radius fracture
Jaesung Lee, Hyungseok Jung, Donghoon Lee
Chung-Ang University Hospital, Seoul, South Korea

A-0666 The functional outcomes of radial head arthroplasty after more than 10 years
Hiroyasu Ikegami, Takanori Shintaku, Shu Yoshizawa, Hideaki Ishii, Takeo Mori, Yoshiro Musha, Takao Kaneko
Department of Orhopaedic Surgery, Toho University, Tokyo, Japan

A-0668 The Surgical Technique of Autogenous Pillar Bone Graft for Distal Humerus Nonunion with Ipsilateral Arteriovenous Shunts: Case Report
Sang-uk Lee, Ki-tae Na, Do-yeol Kim, Won-woo Kang, Jong-yoon Lee
Incheon St. Mary's Hospital, The Catholic University of Korea, Incheon, South Korea

A-0669 The vitamin D levels in Patients with complex regional pain syndrome I and distal radius fracture : Preliminary study
Sang-uk Lee, Ki-tae Na, Won-woo Kang, Jong-yoon Lee

Incheon St. Mary's Hospital, The Catholic University of Korea, Incheon, South Korea

A-0670 Total elbow arthroplasty for the fractures of the elbow
Hiroyasu Ikegami, Takanori Shintaku, Shu Yoshizawa, Hideaki Ishii, Tako Mori, Yoshiro Musha, Takao Kaneko
Department of Orthopaedic Surgery, Toho University, Tokyo, Japan

A-0671 Leiomyoma of the hand
Won-woo Kang, Ki-tae Na, Jong-hoon Lee, Sang-uk Lee
Saint Mary Hospital Incheon, South Korea

A-0672 Kanavel's Study of the Deep Spaces of the Hand, and its Relevance Today
Sarah Jiayu Too [1], Duncan Angus McGrouther [2]
[1] National University of Singapore, Singapore, [2] Singapore General Hospital, Singapore

A-0673 Monteggia fractures in children – characteristics of ulna acute plastic bowing –
Yutaka Kubota, Keikichi Kawasaki, Hiroki Nishikawa, Sadaaki Tsutsui, Tetsuya Nemoto, Kazutoshi Kubo, Katsunori Inagaki
Showa University School of Medicine, Tokyo, Japan

A-0674 Entrampment of the supraescapular nerve. Results in 30 patients
Sergio Daroda, Ezequiel Fernández, Facundo Zabaljáuregui, Fernando Menvielle, Rodolfo Cosentino, Clara Benedetti, Paul Pereira
Clinica de la Mano GAMMA, La Plata, Argentina

A-0675 Great Occipital Nerve as a motor donor nerve in brachial plexus palsy: revision of the anatomy and results in our first patient
Sergio Daroda, Facundo Zabaljauregui, Fernando Menvielle, Rodolfo Cosentino, Paul Pereira
Clínica de la Mano GAMMA, La Plata, Argentina

A-0676 Hand Surgery Outcomes In Orthopedic And Plastic Surgery
Abbas Peymani [1,2], Samandar Dowlatshahi [1], Austin Chen [1], Sabine Egeler [1], Simon Strackee [2], Samuel Lin [1]
[1] Division of Plastic and Reconstructive Surgery, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, MA, USA; [2] Department of Plastic, Reconstructive and Hand Surgery, University of Amsterdam, Amsterdam, The Netherlands

A-0677 Surgical Management of Madelung Deformity: A Systematic Review
Abbas Peymani [1,2,3], Anna Rose Johnson [2], Samandar Dowlatshahi [2], Iwan Dobbe [3], Joseph Upton [4], Geert Streekstra [3], Simon Strackee [1]
[1] Department of Plastic, Reconstructive and Hand Surgery, University of Amsterdam, Amsterdam, The Netherlands; [2] Division of Plastic and Reconstructive Surgery, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, MA, USA; [3] Department of Biomedical Engineering and Physics, University of Amsterdam, Amsterdam, The Netherlands; [4] Department of Plastic and Oral Surgery, Boston Children's Hospital, Harvard Medical School, Boston, MA, USA.

A-0679 Factors affecting delayed displacements of clavicle fractures in polytrauma patients
Wan-Sun Choi [1], Kwang-Hyun Lee [2], Bong Gun Lee [2], Joo-Hak Kim [3], Chang-Hun Lee [4], Sung-Jae Kim [5]
[1] Ajou Univerisity School of Medicine, Suwon, South Korea, [2] Hanyang University College of Medicine, Seoul, South Korea, [3] Myongji Hospital, Goyang, South Korea, [4] Eulji Medical Center, Eulji University College of Medicine, Seoul, South Korea, [5] Hallym University Dongtan Sacred Heart Hospital, Dontan, South Korea

A-0680 The epidemiology of Dupuytren's disease in South Korea: a nationwide population-based study
Wan-Sun Choi [1], Kwang-Hyun Lee [2], Kyeong-Jin Han [1], Joo-Hak Kim [3], Chang-Hun Lee [4], Sung-Jae Kim [5]
[1] Ajou Univerisity School of Medicine, Suwon, South Korea, [2] Hanyang University College of Medicine, Seoul, South Korea, [3] Myongji Hospital, Goyang, South Korea, [4] Eulji Medical Center, Eulji University College of Medicine, Seoul, South Korea, [5] Hallym University Dongtan Sacred Heart Hospital, Dontan, South Korea

A-0681 Biomechanics After Proximal Row Carpectomy
Abbas Peymani [1,2], Mahyar Foumani [1], Iwan Dobbe [2], Simon Strackee [1], Geert Streekstra [2]
[1] Department of Plastic, Reconstructive and Hand Surgery, University of Amsterdam, Amsterdam, The Netherlands; [2] Department of Biomedical Engineering and Physics, University of Amsterdam, Amsterdam, The Netherlands

A-0682 Treatment of Thoracic Outlet Syndrome
Ki-tae Na, Sang-uk Lee, Won-woo Kang, Jong-yoon Lee
Incheon St. Mary's Hospital, The Catholic University of Korea, Incheon, South Korea

A-0683 Biological Scapho-lunate ligament reconstruction with SLAM technique-our experience and 1-3 years results
Ajmal Ikram, Dirk Vander Spuy, Karl Strauss, Martin Wells
University of Stellenbosch, Tygerberg Hospital Cape Town, South Africa

A-0684 Metacarpophalangeal joint arthroplasty using flexible hinge toe implant for the boutonniere deformity of the rheumatoid thumb
Tetsuya Nemoto [1,2], Hajime Ishikawa [1], Asami Abe [1], Hiroshi Otani [1], Katsunori Inagaki [2]
Department of Rheumatology, Niigata Rheumatic Center [1], Department of Orthopaedic Surgery, Showa University [2]

A-0685 Fixation of distal radius fractures with dorsal locking plate compared Volar lock plating and Fragment specific fixation of distal radius - comparative case series
Ajmal Ikram

University of Stellenbosch, Tygerberg Hospital Cape Town, South Africa

A-0687 Outcomes of patients with multiple nerve compression neuropathies with concomitant myofascial pain syndrome after surgical decompression and trigger point injection
Fidelis Marie Zuñiga, Henry Gerard Calleja
Institute of Orthopedics and Sports Medicine, St.Luke's Medical Center, Quezon City, Philippines

A-0688 Dystrophic calcification of the hand after paraffin injection: A Case report
Hongje Kang, Daejin Nam, Seng Hwan Kook
Department of Orthopedic Surgery, Wonkwang University Hospital, Iksan, South Korea

A-0689 Comparative study of Ultrasonography Guided percutaneous A1 pulley release versus Blind percutaneous A1 pulley release
Hongje Kang, Daejin Nam, Seng Hwan Kook
Department of Orthopedic Surgery, Wonkwang University Hospital, Iksan, South Korea

A-0690 The Quadrangulated External Fixator in Complicated Carpometacarpal Fracture- Dislocations
Moritz Fischer [1], Joachim Ganser [2]
[1] Department of Hand and Plastic Surgery, Kantonsspital Frauenfeld, Switzerland; [2] Department of Hand and Plastic Surgery, Kantonsspital Münsterlingen, Switzerland

A-0692 Delivery of rapamycin using in situ forming implants induces immunoregulatory mechanisms promoting vascularized composite allograft survival.
Damian Sutter [1,2], Dzhuliya V. Dzhonova [2], Jean-Christophe Prost [3], Cedric Bovet [3], Yara Banz [4], Jean-Christophe Leroux [5], Robert Rieben [2], Esther Vögelin [1,2], Jan A. Plock [6], Paola Luciani [5,7], Adriano Taddeo [1,2,8], Jonas T. Schnider [1,2,8]
[1] Department of Plastic, Reconstructive and Hand Surgery, Inselspital, Bern University Hospital, University of Bern, Switzerland; [2] Department for BioMedical Research, University of Bern, Switzerland; [3] University Institute of Clinical Chemistry, Inselspital, Bern University Hospital, University of Bern, Switzerland; [4] Institute of Pathology, University of Bern, Switzerland; [5] Institute of Pharmaceutical Sciences, Department of Chemistry and Applied Biosciences, ETH Zürich, Switzerland; [6] Department of Plastic Surgery and Hand Surgery, University Hospital Zurich, University of Zurich, Switzerland; [7] Department of Pharmaceutical Technology, Institute of Pharmacy, University of Jena, Germany; [8] contributed equally

A-0693 Prospective study of needle fasciotomy for Dupuytrens contracture with two-year follow-up
Sinolichka Djambazova [1], Dusanka Grujoska [2], Darko Petreski [3], Natalija Cokleska [4]
Hospital for Orthopedic Diseases University, Skopje, Macedonia

A-0695 A method of bone grafting with the aid of an aluminum foil template
Alexander Zolotov
Far Eastern Federal University, Vladivostok, Russia

A-0697 Impact of patient-surgeon relationship quality on return to work conditions in patients with trauma or musculoskeletal disorders of the upper limb
Thierry Dubert [1,2,3], Cedric Girault [3], Alexandre Kilink [1], Marc Rozenblat [3], Yves Lebelle [3,4], Emmanuel H. Masmejean [5], Christian Couturier [6], Julie Dorey [7], Gregory Katz [8]
[1] Ramsay Générale de Santé, Clinique Jouvenet, Paris, France; [2] Ramsay Générale de Santé, Hôpital Privé Paul d'Egine, Champigny sur Marne, France; [3] Groupement de Coopération Sanitaire du Réseau Prévention Main Ile de France, Paris, France; [4] Ramsay Générale de Santé, Clinique de l'Yvette, Longjumeau, France; [5] Hôpital européen Georges-Pompidou (HEGP) – APHP, Head of hand, upper limb & peripheral nerve surgery service, Paris, France; [6] Espace Médical Vauban, Paris, France; [7] School of Medicine, Chair of Innovation management & Healthcare Performance, Paris-Descartes University, Paris, France

A-0699 A case report of early diagnostics and succesful treatment of acute complex regional pain syndrome (CRPS)
Charlotte Hartig-Andreasen [1], Jytte F Møller [2], Claus Möger [1]
[1] Hand Surgery Unit, Department of Orthopaedic Surgery, Aarhus University Hospital, Denmark; [2] Pain management team, Department of anesthesiology, Aarhus University Hospital, Denmark

A-0701 Signal patterns in magnetic resonance imaging of schwannoma and vascular leiomyoma in the hand
Atsushi Yokota [1], Katsunori Ohno [1], Naoki Ueda [4], Ichiro Baba [1], Kazuhiro Yamamoto [2], Yoshinobu Hirose [3], Masashi Neo [1]
[1] Department of Orthopedic Surgery, Osaka Medical College, Japan; [2] Department of Radiology, Osaka Medical College, Japan; [3] Department of pathology, Osaka Medical College, Japan; [4] Department of Orthopaedic Surgery, Hokusetsu General Hospital, Japan

A-0702 Extensor Tendon Excursion at the Proximal Phalanx: Clinical Application to Rehabilitation Programs
Sarah Tolerton [1], Raymond Jongs [2], Belinda Smith [1], Mark Hile [1]
[1] Department of Hand Surgery & Peripheral Nerve Surgery, Royal North Shore Hospital, Sydney, Australia; [2] Department of Physiotherapy, Royal North Shore Hospital, Sydney, Australia

A-0703 Overuse injuries in patients with brachial plexus injury in the northern Netherlands
C.K. van der Sluis, J.M. van Bodegom, K. Postema, P.U. Dijkstra
University of Groningen, University Medical Center Groningen, Department of Rehabilitation Medicine, Groningen, the Netherlands

A-0704 Partial Excision of Trapezium and Ligament Reconstruction with 2 Suture Anchors in the 1st Carpometacarpal Arthritis
Jae-Hwi Nho [1], Ki Jin Jung [1], Hyun Sik Gong [2], Byungsung Kim [1]
[1] Soonchunhyang University Hospital, South Korea; [2] Seoul National University Bundang Hospital, South Korea

A-0706 Replantation of Multi-Level Amputation of the Hand and Wrist
SangHyun Lee, SungJin An, HeeJin Lee
Department of Orthopaedic Surgery, Medical Research Institute, Pusan National University Hospital, Pusan, South Korea

A-0707 Carboxymethylcellulose Gel (Dynavisc®), as a long term barrier to prevent fibroblasts migration and differentiation, a retrospective analysis
Franco Bassetto, Regina Sonda, Andrea Monticelli, Cesare Tiengo
Plastic Surgery Department, Padova, Italy

A-0708 Myo-electricity and gaze tracking data to improve hand prosthetics and neuro-cognitive examination.
Franco Bassetto [1], Manfredo Atzori [2], Matteo Cognolato [2,3], Diego Faccio [1], Gianluca Saetta [4], Arjan Gijsberts [5], Valentina Gregori [5], Mara Graziani [2,5], Francesca Giordaniello [2,5], Andrea Gigli [5], Francesca Palermo [2,5], Peter Brügger [4], Barbara Caputo [5], Henning Müller [2], Cesare Tiengo [1]
[1] Clinica di Chirurgia Plastica, Azienda Ospedaliera Universitaria di Padova, Padova, Italy; [2] Department of Business Information Systems, University of Applied Sciences Western Switzerland, (HES-SO Valais), Switzerland; [3] Rehabilitation Engineering Laboratory, Department of Health Sciences and Technology, ETH Zürich, Zürich, Switzerland; [4] Department of Neurology, University Hospital of Zurich, Zurich, Switzerland; [5] Department of Computer, Control, and Management Engineering, University of Rome “La Sapienza”, Rome, Italy

A-0709 Clinical evaluation of an innovative Polyactic Acid and Carbon Nanostructures interface for the peripheral nerve rigeneration: esperimental study
Cesare Tiengo, Arianna Gatto, Andrea Monticelli, Franco Bassetto
Plastic Surgery Department, Padova, Italy

A-0710 Fatgrafting in dupuytren disease
Franco Bassetto, Regina Sonda, Erica Dalla Venezia, Diego Faccio, Cesare Tiengo
Plastic Surgery Department, Padova, Italy

A-0711 Outcomes of radial head arthroplasty to treat complex radial head fractures
Ki Jin Jung, Jae-Hwi Nho, Byungsung Kim
Soonchunhyang University Hospital, Cheonan, South Korea

A-0713 Scaphoid Non-union Treatment with Minimal Invasive Graft Harvesting by Bone Marrow Biopsy Needle
Nazim Karalezli, Ulas Akgun, Umut Canbek, Hidir Tanyildizi, Nevres Hurriyet Aydogan
Mugla Sitki Kocman University, Mugla, Turkey

A-0716 The role of ultrasound examination in penetrating nerve injuries
Viviana Maja Rosero [1], Katalin Dévay [1], Zsuzsanna Aranyi [2]
[1] Merenyi Gusztav Hospital, Budapest, Hungary; [2] Department of Neurology, Semmelweis University Budapest, Hungary

A-0717 Septic arthritis of the wrist – delusory pathology with surprising evolution
Mihaela Perţea [1,2], Sorinel Luncă [1,3], Oxana-Mădălina Grosu [2]
[1] University of Medicine and Pharmacy “Gr. T. Popa” Iași, Romania; [2] Clinic of Plastic and Reconstructive Microsurgery, “Sf. Spiridon” Emergency Hospital Iași, Romania; [3] Surgery II Department, Regional Institute of Oncology Iași, Romania

A-0718 Clinical, imagistic and pathological aspects of very rare benign tumors in the hand
Mihaela Perţea [1,2], Sorinel Luncă [1,3], Oxana-Mădălina Grosu [2]
[1] University of Medicine and Pharmacy “Gr. T. Popa” Iași, Romania; [2] Clinic of Plastic and Reconstructive Microsurgery, “Sf. Spiridon” Emergency Hospital Iași, Romania; [3] Surgery II Department, Regional Institute of Oncology Iași, Romania

A-0721 Wide awake hand surgery - a real revolution. It is possible to reduce the anesthetic doses?
Mihaela Perţea [1,2], R. Issa [2], Oxana-Mădălina Grosu [2]
[1] University of Medicine and Pharmacy “Gr. T. Popa” Iași, Romania; [2] Clinic of Plastic and Reconstructive Microsurgery, “Sf. Spiridon” Emergency Hospital Iași, Romania

A-0723 Local resection of Nora's lesion in different bones of the hand in 4 patients
Moritz Scholtes [1], Antonio Rodríguez [2], Joachim Ganser [1]
[1] Department for Hand- and Plastic Surgery, Kantonsspital Münsterlingen, Switzerland; [2] Institute of Pathology, Kantonsspital Münsterlingen, Switzerland

A-0725 Spasticity-reducing hand surgery: Improved function, activity and patients’ satisfaction at one year follow-up
Ulla Bergfeld, Joakim Strömberg, Therese Ramström, Katarzyna Kulbacka-Ortiz, Carina Reinholdt
Centre for Advanced Reconstruction of Extremities (C.A.R.E.), Sahlgrenska University Hospital, Gothenburg, Sweden

A-0726 Versatility of Free Serratus Anterior Fascia Flaps for Hand Soft Tissue Reconstruction in Patients with Skin Malignancy
Hyeonwoo Kim, Ji Ung Park, Jun Ho Choi, Julong Hu, Sung Tack Kwon, Byungjun Kim
Seoul National University Hospital, Seoul, South Korea

A-0727 New Findings about the Intrascaphoid Artery System
Ge Xiong [1], Zirun Xiao [1], Weiguang Zhang [2]
[1] Dept. of Hand Surgery, Beijing Jishuitan Hospital, Beijing, China; [2] Dept. of Anatomy and Histology, Peking University Health Science Center, Beijing, China

A-0728 Managing advanced Dupuytren's Disease with Collagenase: is there a suitable cohort?
David J Hunter-Smith, Jessie Xu, Theodore Lam, Daniel Reilly, Michael P Chae, Vicky Tobin, Warren M Rozen
Department of Plastic and Reconstructive Surgery, Frankston Hospital, Peninsula Health, Frankston Victoria, Australia; Monash University Plastic and Reconstructive Surgery Group (Peninsula Clinical School), Peninsula Health, Frankston, Victoria, Australia

A-0729 A Prospective Study of Functional Recovery Following Trapeziectomy and LRTI
Neela Janakiramanan, Sylvie Collon, David McComb, Stephen Tam
Victorian Hand Surgery Associates

A-0731 Optimising recruitment to an RCT in Neurolac-assisted tension free digital nerve repair
Dalia Mohamed, Dominic Power
The Hand and Peripheral Nerve Research Network, Institute for Translational Medicine, Birmingham, UK

A-0734 Preoperative radiological risk factors of distal radioulnar joint instability in distal radius fractures, synthesized with volar plate
Belén García-Medrano, Clarisa Simón Pérez, Blanca Ariño Palao, Gonzalo Martínez Municio, Miguel Ángel Martín-Ferrero
Hospital Clínico, Valladolid, Spain

A-0739 Dorsal stress radiography of DRUJ to evaluate the instability of DRUJ in distal radius fracture
Seoung-Joon Lee, Se-Bong Oh, Jung- Ho Lee
Department of Orthopedic Surgery, Konkuk University, School of Medicine, Seoul, South Korea

A-0745 Extended dynamometry in medicolegal practice
Harry Belcher
Independent Hand Surgeon

A-0747 Metacarpal shaft reconstruction using medial femoral condyle flap : a case report
Hugo Maschino [1], Germain Pomares [2], François Dap [1], Gilles Dautel [1]
[1] Centre Chirurgical Emile Gallé, Nancy, France; [2] Institut Européen de la Main, Luxembourg

A-0748 Study of muscle redistribution technique in signal recognition of intelligent bionic hand
Yong Yang [1], Qining Wang [2], Dongfang Xu [2], Jingeng Mai [2], Liying Sun [1], Wen Tian [1], Ge Xiong [1], Shanlin Chen [1], Guanglei Tian [1]
[1] Beijing Jishuitan Hospital, Beijing, China; [2] Peking University, Beijing, China

A-0749 The free thin extended lateral arm flap for hand reconstruction; case series and technical modifications.
Roderick Dunn [1], Alexandra Crick [2], Stuart Watson [2]
[1] Odstock Centre for Burns and Plastic Surgery, Salisbury, UK; [2] Canniesburn Plastic Surgery Unit, Glasgow, UK

A-0750 How to improve the effect of Platelet-rich plasma (PRP) on the peripheral nerve; its use in the carpal tunnel release
Belén García-Medrano [1], Clarisa Simón Pérez [1], Blanca Ariño Palao [1], Julián Alía Ortega [1], Benedicta Catalán Bernardo [2], Miguel Martín-Ferrero [1]
[1] Orthopaedic Surgery, Hand Unit, Hospital Clínico, Valladolid, Spain; [2] Neurophysiology Department, Hospital Clínico, Valladolid, Spain

A-0752 Retrograde percutaneous intramedullary K-wire fixation for the extra-articular proximal phalangeal base fractures of finger
Sang Eun Park, Bong Seok Choi, Won Ha Hwang
Daejeon St. Mary's Hospital, Daejeon, South Korea

A-0753 Diagnostic Accuracy of the Ulnocarpal Grinding Test for Detecting Triangular fibrocartilage complex tear
Bong Cheol Kwon, Seon Jong Lee, Jae-Yeon Hwang
Hallym University Sacred Heart Hospital, Anyang, South Korea

A-0754 Triscaphoid arthrodesis for advanced Mb Kienböck, follow up after 7 years
Johanne Korslund [1], Rasmus Thorkildsen [1], Ole Reigstad [1], Magne Røkkum [1,2]
[1] Upper Extremity and Microsurgical Unit, Division of Orthopaedic Surgery, Oslo University Hospital, Norway; [2] Institute Of Clinical Medicine, University of Oslo, Norway

A-0757 New method of decellularization of human nerve segments applied to the development of implantable prostheses for the repair of peripheral nerve lesions.
Belén García-Medrano [1], Nuria Mesuro Domínguez [2], Clarisa Simón Pérez [3], Fernando Moreno Mateo [1], Manuel Garrosa García [3], Miguel A Martín-Ferrero [1], Sara Gayoso del Villar [3], Manuel José Gayoso Rodríguez [3]
[1] Orthopaedic Surgery, Hand Unit, Hospital Clínico, Valladolid, Spain; [2] Otorhinolaryngology Department, Hospital Clínico, Valladolid, Spain; [3] Cell biology and Histology department, Faculty of Medicine, University of Valladolid, Valladolid, Spain

A-0758 Surface replacement volar plate-arthroplasty in proximal interphalangeal (PIP) joints
Thiago Tomazi, Peter Larsson, Samuel Christen, Jörg Hainich, Jörg Grünert
Kanton Spital Sankt Gallen, Sankt Gallen, Switzerland

A-0761 Dual-portal Endoscopic Carpal Tunnel Release - New Modification
Marcello Cunha, Jose Pistelli, Antonio Emanoel Miachon, Marcio Cunha
Hospital Albert Einstein, São Paulo, Brazil

A-0762 Clinical results of arthroscopic release or open release in combined medial and lateral epicondylitis

Rhyou In Hyeok
Semyeong Christianty Hospital, Pohang, South Korea

A-0763 Symptomatic distal biceps tendinopathy natural course treatment and prognostic factors
Rhyou In Hyeok, Lee Jung Hyun
Semyeong Christianity Hospital, Pohang, South Korea

A-0767 Dupuytren's contracture: Long term results after treatment with excision of the contracted palmar fascia
Ioannis Antoniou, Kostas Banios, Vasilis Kontogeorgakos, Zoe Daliliana, Konstantinos Malizos, Sokratis Varitimidis
Department of Orthopaedic Surgery, University of Thessalia, Larissa, Greece

A-0768 Distal radioulnar joint replacement in patients with Madelungs deformity
Karina Liv Hansen, Hans Tromborg
Hand/Orthopaedic Department, Odense, Denmark

A-0770 Retrospective Analysis of Uncemented Trapeziometacarpal Arthroplasty of Thumb
MO Ashraf [1], R Kanvinde [2]
Ysbyty Gwynedd Bangor, Wales, UK

A-0771 Treatment of concomitant instability in the metacarpophalangeal joint in basal osteoarthritis of the thumb
Johanna Wirth, Eva-Maria Baur
Praxis für Plastische Chirurgie und Handchirurgie, Murnau, Germany

A-0772 Injection Technique of Thumb Trapeziometacarpal Joint
MO Ashraf [1], R Kanvinde [2]
Ysbyty Gwynedd Bangor, Wales, UK

A-0774 Distal interphalangeal joint arthrodesis with the centromedullar staple Lync®: retrospective series of 22 arthrodesis
P Auzias [1], G Strouk [2], M Limousin [2], C Fontaine [1,3], A Aumar [1,3]
[1] Servicie Orthopédie B, Hôpital Roger Salengro, Universitayi Hospital of Lille, France; [2] Clinique de Saint Omer, Blendecques, France; [3] Laboratoire d'anatomie et de morphogenèse, University of Lille, France

A-0777 Intrafocal pinning for severely displaced pediatric distal radius fracture
Sang Eun Park, Seok Jae Park, Myung Sup Go
Daejeon St. Mary's Hospital, Daejeon, South Korea

A-0857 Versatility and Customization of the ALT Flap in Upper and Lower Extremities Reconstruction
Jorge G. Boretto, Javier Bennice, Gerardo L. Gallucci, Ignacio Rellan, Agustin Donndorff, Pablo De Carli
Hospital Italiano de Buenos Aires, Argentina

A-0780 Abstract: Response to conservative treatment for CMC osteoarthritis is associated with conversion to surgery
J. Tsehaie [1,2], J.T. Porsius [1,2,3], D. Rizopoulos [4], H.P. Slijper [2], R. Feitz [2], S.E.R. Hovius [1,2], R.W. Selles [1,3]
[1] Department of Plastic, Reconstructive and Hand Surgery, Erasmus Medical Center Rotterdam, the Netherlands; [2] Hand and Wrist Surgery, Xpert Clinic, the Netherlands; [3] Department of Rehabilitation Medicine, Erasmus Medical Center Rotterdam, the Netherlands; [4] Department of Biostatistics, Erasmus Medical Center Rotterdam, the Netherlands

A-0781 Clear-Cell Chondrosarcoma of the distal ulna treated with wide resection and fascia lata suspensoplasty: A case report
João Paulo Mussi, Christophe Camps, Alexandre Durand, Christophe Duysens, Rainer Andrea Falcone, Thomas Jager
Institut Européen de la Main, France

A-0786 Rhizarthrosis: Comparison between the Zancolli and the Mini TightRope® Suspensionplasty Techniques
Henrique de Barros, Aline A. Depianti Moreira, Saulo F. Diniz, Antônio Pedro Pais, João Paulo Mussi
Hospital Federal da Lagoa, Brazil

A-0788 Pull-out suture method for treatment of volar plate avulsion fractures
Yoshiki Okuda [1], Masahumi Matsuki [1], Maki Asada [2], Hiroyoshi Hujiwara [2]
[1] Kyoto Second Red Cross Hospital Kyoto, Japan; [2] Department of Orthopaedics, Kyoto Prefectural University of Medicine Kyoto, Japan

A-0789 Refining the Cross-finger Flap: Considerations of Flap Insetting, Aesthetics and Donor Site Morbidity
Cheng-Hung Lin, Chew-Wei Chong, Yu-Te Lin, Chung-Chen Hsu, Shih-Heng Chen
Department of Plastic and Reconstructive Surgery, Chang Gung Memorial Hospital, Chang Gung Medical College and Chang Gung University, Taipei, Taiwan

A-0790 Mycobacterium Senuense infection in the hand of a chef, transmitted from pig meat
Torbjörn Vedung
[1] Department of Surgical Sciences, Uppsala University, Uppsala, Sweden; [2] Department of Orthopedic and Hand Surgery, Uppsala University Hospital, Uppsala, Sweden

A-0971 Targeted Muscle Reinnervation of the Upper Extremity
Daniel Ruter, Joseph Meyerson, Ian Valerio
The Ohio State University College of Medicine Department of Plastic Surgery, USA

A-0793 Evaluation of complications after surgical treatment of TOS
Mohamma Ali Hosseinian, Ali Gharibian
Beheshty University, Emmam Hossein Hospital, Tehran, Iran

A-0794 Our results in "spaghetti wrist" injuries associated with soft tissue defects
Alexandru Georgescu [1,2], Ileana Matei [1,2], Octavian Olariu [2]
[1] University of Medicine Iuliu Hatieganu Cluj Napoca, Romania; [2] Rehabilitation Hospital Cluj Napoca, Romania

A-0796 Carpal tunnel syndrome associated with volar locking plate fixation for the distal radius fractures
Masatoshi Takahara, Shuji Toyono, Mikiro Kondo, Hiroshi Satake, Michiaki Takagi
[1] Izumi Orthopaedic Hospital, Sendai, Japan; [2] Yamagata University, Yamagata, Japan

A-0797 Choosing the flap in complex injuries of the hand
Alexandru Georgescu, Ileana Matei, Irina Capota, Marius Pruna, Maria Nedu
University of Medicine Iuliu Hatieganu Cluj Napoca, Romania

A-0800 Hand and wrist surgery without suspending warfarin or oral antiplatelet –Systematic review
Francisco Simões Deienno, Trajano Sardenberg, Raffaello de Freitas Miranda, Denis Varanda, Andréa Christina Cortopassi, Paulo Roberto de Almeida Silvares
Hospital das Clínica de Botucatu, São Paulo Estate University, UNESP, Brazil

A-0801 Surgery for non-union of proximal pole fractures of the scaphoid with an APSI-prosthesis - a five year follow up
Britt Siesing-Mejer [1], Niels Søe [2], David Eckerdal [3], Lars B. Dahlin [3]
[1] Hand section, Department of Orthopaedic Surgery, Nordsjællands Hospital Hillerød, Denmark; [2] Hand Section, Department of Orthopaedic Surgery, Herlev and Gentofte Hospital, Gentofte, Denmark; [3] Department of Translational Medicine – Hand Surgery, Lund University, Malmö, Sweden / Department of Hand Surgery, Skåne University Hospital, Malmö, Sweden

A-0803 Possibilities of covering simple and complex tissue defects in hand and wrist
Alexandru Georgescu [1,2], Ileana Matei [1,2], Octavian Olaru [2]
[1] University of Medicine Iuliu Hatieganu Cluj Napoca, Romania; [2] Rehabilitation Hospital Cluj Napoca, Romania

A-0804 Dorsal scapho-lunar stabilization with Viegas' capsulodesis
Luc Van Overstraeten [1,3], Emmanuel J Camus [2], Fabian Moungondo [3]
[1] Hand and Foot Surgery Unit Tournai, Belgium; [2] Chirurgie de la Main et du pied, Lesquin, France; [3] ULB Erasme University Hospital, Brussels, Belgium

A-0805 Surgical treatment for long-term sequelae after cobra bite
S. Rodríguez Paz [1], A. Oriol Segura [1], A. Rañé Tarragó [1], R. Galtés Fuertes [2], N.H. Sarma [3], P. Kumar [3], FJ. Peris Prat [1], G. Dargallo Carbonell [1]
[1] Parc Hospitalari Martí i Julià of Salt - St. Catherine Hospital, Girona, Spain; [2] Faculty of Health Sciencies at University of Vic-Central University of Catalonia, Manresa, Spain; [3] Rdt Hospital Bathalapalli, Anantapur, India

A-0806 Gender differences in 10770 open carpal tunnel releases – a national registry based cohort study
Malin Zimmerman [1,2], Marianne Arner [3], Ingela Carlsson [1,2], Simon Farnebo [4], Lars Dahlin [1,2]
[1] Department of Translational Medicine – Hand Surgery, Lund University, Skåne University Hospital, Malmö, Sweden; [2] Department of Hand Surgery, Skåne University Hospital, Malmö, Sweden; [3] Department of Hand Surgery, Södersjukhuset (KI SÖS), Stockholm, Sweden; [4] Department of Clinical and Experimental Medicine, Linköping University, Linköping, Sweden

A-0807 The treatment of burned hands in the Colectiv Club mass casualty fire
Silviu Marinescu [1], Ana-Maria Boiangiu [1], Anca Ruxandra Oporanu [1], Ruxandra Mihai [1], Carmen Giuglea [2]
[1] "Bagdasar-Arseni" Clinical Emergency Hospital, Bucharest, Romania; [2] Saint John's Clinical Emergency Hospital, Bucharest Romania

A-0809 Carpal tunnel syndrome with space occupying lesion
Kana Kataoka [1], Soya Nagao [1,2], Hiroko Shiraishi [1], Koji Tanimoto [1], Yoshiaki Tomizuka [1], Masahiro Nagaoka [1], Yasuaki Tokuhashi [1]
[1] Nihon University School of Medicine, Tokyo, Japan; [2] Itabashi Medical Association Hospital, Tokyo, Japan

A-0810 Resurfacing the Distal Radioulnar Joint with Rib Perichondrium
Torbjörn Vedung [1,2], Daniel Muder [1,2], Bertil Vinnars [1,2]
[1] Department of Surgical Sciences, Uppsala University, Uppsala, Sweden; [2] Department of Orthopedic and Hand Surgery, Uppsala University Hospital, Uppsala, Sweden

A-0811 Terrible triad injury of the elbow. A single-centre experience
Isabella Fassola, Kay Krüger, Benedict Kunz, Jens Hahnhaußen, Wolfgang Ertel, Senat Krasnici
Department of Orthopedic, Trauma and Reconstructive Surgery, Charité-Universitätsmedizin Berlin, Campus Benjamin Franklin, Berlin, Germany

A-0814 Injury to the infraclavicular brachial plexus following dislocation of the glenohumeral joint
Isabel Guy [1], Daniel Guerero [1], Tahseen Choudhry [2], Simon Tan [2], Colin Shirley [2], Caroline Miller [2], Charles Edwards [2], Dominic Power [2]
[1] Birmingham University Department of Anatomy, UK; [2] The Centre for Nerve Injury and Paralysis, Birmingham Hand Centre, UK

A-0816 Nerve transfer strategies to improve hand outcome in isolated medial cord brachial plexus injuries: Staged motor nerve transfer through a reversed medial cutaneous nerve of forearm vascularised graft

Daniel Guerero [1], Isabel Guy [1], Tahseen Choudhry [2], Simon Tan [2], Colin Shirley [2], Caroline Miller [2], Charles Edwards [2], Dominic Power [2]
[1] Birmingham University Department of Anatomy, UK; [2] The Centre for Nerve Injury and Paralysis, Birmingham Hand Centre, UK

A-0817 What combined nerve- and tendon transfer surgeries can do for a person with C5-C6 tetraplegia
Johanna Wangdell [1,2], Therese Ramström [1], Joakim Strömberg [1,2], Carina Reinholdt [1,2], Lina Bunketorp-Käll [1,3]
[1] Centre of Advanced Reconstruction of Extremities, C.A.R.E, Sahlgrenska Universital Hospital, Gothenburg, Sweden; [2] Institute of Clinical Sciences, The Sahlgrenska Academy at Göteborg University, Gothenburg, Sweden; [3] Institute of Neuroscience and Physiology, Sahlgrenska Academy, University of Gothenburg, Sweden

A-0818 Supinator branch to lateral cutaneous nerve of forearm in situ staged motor nerve transfer for distal forearm targets in medial cord brachial plexus injury
Isabel Guy [1], Daniel Guerero [1], Tahseen Choudhry [2], Simon Tan [2], Colin Shirley [2], Caroline Miller [2], Charles Edwards [2], Dominic Power [2]
[1] Birmingham University Department of Anatomy, UK; [2] The Centre for Nerve Injury and Paralysis, Birmingham Hand Centre, UK

A-0821 Revisited HyperSelective Neurectomy in upper limb spasticity
Mathilde Gras [1,2], Caroline Leclercq [1]
[1] Institut de la Main, Clinique Bizet, Paris, France; [2] Institut Nollet, Paris, France

A-0822 Three-dimensional (3D) ulnar variance: actual ulnolunate distance is greater in pronation due to dorsal translation of the ulnar head
Seung-Han Shin, Yong-Suk Lee, Yang-Guk Chung
Seoul St. Mary's Hospital, The Catholic University of Korea, Seoul, South Korea

A-0824 Why do we prefer free fibula flap for the reconstruction of complex clavicular defects?
María L Manzanares Retamosa, Pedro Bolado Gutiérrez, Luis Landín Jarillo, Aleksandar Lovic Jazbec
Hospital Universitario La Paz, Madrid, Spain

A-0825 An extreme variant of radial club hand: strategy of the treatment and 15 year follow-up
María L Manzanares Retamosa, Pedro Bolado Gutiérrez, Luis Landín Jarillo, Aleksandar Lovic Jazbec
Hospital Universitario La Paz, Madrid, Spain

A-0826 Investigation of The Functional Status In Zone I Extansor Tendon Injuries After Early Physiotherapy Program
Ahmet Fahir Demirkan [1], Ali Kitis [2], Umut Eraslan [2], Hande Usta [2], Merve Kalpak [2]
[1] Pamukkale University, Medical Faculty, Department of Orthopaedics and Traumatology, Denizli, Turkey; [2] Pamukkale University, School of Physical Therapy and Rehabilitation, Denizli, Turkey

A-0827 Decellularized Nerve: Research of the More Reliable Method
Simona Odella [1], Stefania Raimondo [2], Arianna Lovati [3], Alessandro Crosio [4], Anna Maria Biondi [5], Francesco Locatelli [1], Stefano Geuna [2], Pierluigi Tos [1]
[1] Reconstructive Microsurgery and Hand surgery Unit, ASST Pini-CTO Milano, Italy; [2] Department of Clinical and Biological Sciences, San Luigi Gonzaga Hospital, Orbassano, Italy; [3] IRCCS Isituto Galeazzi Cell and Tissue Engeneering Laboratory, Italy; [4] AOU City of Health and Science of Turin UO Orthopedics and Traumatology, 2 Hand Surgery, Italy; [5] AOU City of Health and Science of Turin, Muscolo-Scheletal Tissues Bank, Italy

A-0828 The Stener-Like Lesion of the radial collateral ligament of the thumb
Silvia Bernuth, Michael G Jakubietz, Fabian Gilbert, Rainer H Meffert, Raphael G Jakubietz
Department of Trauma-, Hand-, Plastic and, Reconstructive Surgery, University of Wuerzburg, Wuerzburg, Germany

A-0829 New approach to advanced posttraumatic DRUJ arthritis reconstruction: more “physiological” and more sustainable
Aleksandar Lovic Jazbec, Luis Landín Jarillo, Pedro Bolado Gutiérrez, María L Manzanares Retamosa, César Casado Pérez
Hospital Universitario La Paz, Madrid, Spain

A-0831 Minimally invasive treatment of Dupuytren: Collagenase vs. PNF – minimum 3 year follow-up
Eva-Maria Baur, Robert Zimmermann, Verena Müller, Waltraud Mair
University Clinic of Plastic, Reconstructive and Aesthetic Surgery, Innsbruck, Austria

A-0833 The amnion muscle combined graft (AMCG) conduits in the repair of wide substance loss of bigger trunks of peripheral nerves of the forearm and wrist. Our clinical and experimental experience
Michele Riccio, Angelica Aquinati, Pier Paolo Pangrazi, Andrea Campodonico, Letizia Senesi
Department of Reconstructive Plastic Surgery-Hand Surgery, AOU “Ospedali Riuniti” Ancona, Italy

A-0835 The Interossea anterior system for pedicled or free flaps in hand surgery – theory and clinical experience
Martina Greminger, Urs Hug, Elmar Fritsche
Luzerner Kantonsspital, Hand- und Plastische Chirurgie, Luzern, Switzerland

A-0837 Treatment of neuroma upper extremity by nerve capping
M.J.O.E. Bertleff
Bergman Clinics, Naarden, The Netherlands

A-0843 Episomal Induced Pluripotent Stem Cells Promote Functional Recovery of Transected Murine Peripheral Nerve
Aline Yen Ling Wang [1], Charles Yuen Yung Loh [1,2], Huang-Kai Kao [3,4], Fu-Chan Wei [1,3,4]
[1] Vascularized Composite Allotransplantation Center, Chang Gung Memorial Hospital, Taoyuan, Taiwan; [2] St Andrew's Center for Plastic Surgery,

Chelmsford, Essex, UK; [3] Department of Plastic Surgery, Chang Gung Memorial Hospital, Taoyuan, Taiwan; [4] College of Medicine, Chang Gung University, Taoyuan, Taiwan

A-0844 Ulnar motor branch entrapment in Alpine skiing
Emanuele Pamelin [1], Belinda Cedron Novoa [1], Alessandra Scalese [1], Riccardo Budroni [2]
[1] Hand Unit I - IRCCS Istituto Ortopedico Galeazzi Milan, Italy; [2] Ortopedia e Traumatologia Osp. San. Francesco Nuoro, Italy

A-0845 Early Functional Results and Activity Participation After Proximal Row Carpectomy
Hande Usta [1], Ali Kitiş [1], Merve Kalpak [1], Umut Eraslan [1], Ali Çağdaş Yörükoğlu [2], Ahmet Fahir Demirkan [2]
[1] Pamukkale University, School of Physical Therapy and Rehabilitation, Denizli, Turkey; [2] Pamukkale University, Medicine Faculty, Department of Orthopaedics and Traumatology, Denizli, Turkey

A-0847 Treating of TMC osteoarthritis with RegJoint™ disk spacer
Robert Mulh, Franek Dolšek, Tea Jedlovčnik-Štrumbelj, Boštjan Lah
General Hospital Novo Mesto, Slovenia

A-0848 The Efficacy of Mirror Therapy on Pain, Sensation and Function After Carpal Tunnel Open Surgery
Tugba Karaaslan, Ela Tarakci, Hayri Omer Berkoz
Istanbul University, Istanbul, Turkey

A-0850 Long term follow-up of operatively treated base of finger metacarpal fractures
Saskia Kamphuis [1], Liane Kecker [1], Cornelia Merki-Künzli [1], Julia Sproedt [1], Abdul Rahman Jandali [1], Dirk Schaefer [2]
[1] Department of Hand- and Plastic Surgery, Cantonal Hospital Winterthur, Winterthur, Zurich, Switzerland; [2] Department of Plastic, Reconstructive, Aesthetic and Hand Surgery, University Hospital Basel, Basel, Switzerland

A-0851 Anatomical Study of Small Saphenous Vein for Application in Arterio-venous loop and Free Functional Muscle Transfer in Brachial plexus injury with concomitant Subclavian Artery Injury: A Cadaveric Study
Jidapa Wongcharoenwatana, Panai Laohaprasitiporn, Saichol Wongtrakul, Roongsak Limthongthang, Panupan Songcharoen, Torpon Vathana
Department of Orthopaedic Surgery, Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, Thailand

A-0854 Complications after volar plating in distal radius fractures- clinical report
Daniel Vilcioiu [1,2], Dragos Zamfirescu [2], Florin Safta [1], Fabian Klein [1], Alexandru Firicel [1], Carol Birisiu [1], Ioan Cristescu [1]
[1] Clinical Emergency Hospital of Bucharest, Romania; [2] Zetta Clinic, Romania

A-0855 Reconstruction of the hand by small free flaps
Soo Joong Choi, Jinsoo Park, Seungjin Lee
Hallym University Sacred Heart Hoaspital, Anyang, South Korea

A-0856 Investigation of Etiologic Factors of Dupuytren's Disease: A Pilot Study
Özge İpek [1], Mustafa Nazım Karalezli [2], Oğuzhan Şamil Erciyes [2], Nevres Hürriyet Aydoğan [2], Kılıçhan Bayar [1]
[1] Muğla Sıtkı Koçman University, Faculty of Health Sciences, Department of Physiotherapy and Rehabilitation, Muğla, Turkey; [2] Muğla Sıtkı Koçman University, Faculty of Medicine, Department of Orthopedics and Traumatology, Muğla, Turkey

A-0862 Critical analysis of a case series after arthroplasty with the free interposition pyrocarbon implant, Amandys®
Lea Estermann [1], Elvira S. Bodmer [1], Miriam Marks [2], Daniel B. Herren [1]
[1] Department of Hand Surgery, Schulthess Klinik, Zurich, Switzerland; [2] Department of Teaching, Research and Development, Schulthess Klinik, Zurich, Switzerland

A-0866 Pulley rupture and reconstruction in high level climbers.
Gero Meyer zu Reckendorf, Jean-Claude Rouzaud, Amirouche Dahmam
Institut Montpelliérain de la main, Montpellier, France

A-0867 Arthroscopic mid-carpal partial wrist arthrodesis. Our experience with twelve cases.
Olga Politikou, Christoph Erling, Lisa Reissner, Maurizio Calcagni
Division of Plastic Surgery and Hand Surgery, University Hospital Zurich, Switzerland

A-0868 Anatomy of the anterior interosseous artery and the pronator quadratus muscle: contribution to distal radius
Claudia Lamas-Gómez [1], Ariadna Da Ponte-Prieto, Manuel Llusà-Pérez [2], Camila Chanes-Puigros [1], Marta Almenara-Fernández [1], Laura Velasco-González [1]
[1] Hand Unit and Upper Extremity, Department of Orthopaedic Surgery, Hospital de la Santa Creu i Sant Pau, Universitat Autònoma de Barcelona, Barcelona, Spain; [2] Department of Human Anatomy and Embryology, Hospital Clinic. Universitat de Barcelona, Barcelona, Spain

A-0869 Treatment of Scaphoid non-union: A novel technique for the correction of humpback deformity by a single dorsal approach using a vascularized 2nd metacarpal bone flap.
Ergys Gjika [1], Swenn Krahenbuhl [2], Kostantinos Vakalopoulos [1], Sebastien Durand [2]
[1] Geneva University Hospitals, Switzerland; [2] Lausanne University Hospitals, Switzerland

A-0873 New surgical technique for a simultaneous reconstruction of the anterior and the posterior bundles of the elbow medial collateral ligament.
Elisa Dutto, Arman Sard, Francesco Giacalone, Stefania Vanni, Bruno Battiston
Department of Orthopedic and Traumatology 2, AOU Città della Salute e della Scienza, PO CTO, Turin, Italy

A-0874 Fractures of Metacarpal Treated with Rods
Marcello Cunha, Jose Pistelli
Einstein Hospital, Sao Paulo, Brazil

A-0875 Ligamentoplasty for metacarpophalangeal instability of the second finger
Francisco Cuadrado Abajo, Olga María Vélez García, María de los Ángeles de la Red Gallego, Manuel Rubén Sánchez Crespo, Higinio Ayala Gutiérrez, José Couceiro Otero, Fernando del Canto Álvarez
Marqués de Valdecilla Universitary Hospital

A-0877 The 1,2-intercompartmental supraretinacular artery vascularized bone graft for scaphoid nonunion: management and clinical outcome.
Emre Gazyakan, Christoph Hirche, Christian Heffinger, Ling-Yun Xiong, Amir Bigdeli, Berthold Bickert, Ulrich Kneser
Department of Hand, Plastic and Reconstructive Surgery, University of Heidelberg, BG Clinic Ludwigshafen, Ludwigshafen, Germany

A-0878 Ulnar nonunion in forearm and its association with anatomical and epidemiological risk factors
Laura Velasco-González, Laura Noguera-Alonso, Luis Trigo-Lahoz, Julio de Caso-Rodriguez, Ariadna Da Ponte-Prieto, Claudia Lamas-Gómez.
Hand Unit and Upper Extremity, Department of Orthopaedic Surgery, Hospital de la Santa Creu i Sant Pau, Universitat Autònoma de Barcelona, Barcelona, Spain

A-0879 Lipomas in the hand: a common tumor or a potential pitfall?
Chris Mills [1], Woan-Yi Chan [1], Gabriel Fieraru [2]
[1] Royal Devon and Exeter Hospital, UK; [2] Plymouth Hospital Trust, UK

A-0881 Chronic carpal tunnel syndrome due to a posttraumatic aneurysm. A rare case.
Konstantinos Tolis [1], Kalliopi Diamantopoulou [2], Dimitrios Vasileiou [1], Emmanouil Fandridis [1], Frantzeska Zampeli [1], Sarantis Spyridonos [1]
[1] Hand surgery,Upper limb and Microsurgery Department, General Hospital KAT, Athens, Greece; [2] Pathologic Anatomy Department, General Hospital KAT, Athens, Greece

A-0882 Functional results and quality of life after bilateral scaphoid reconstruction: a case series.
Emre Gazyakan, Christoph Hirche, Christian Heffinger, Ling-Yun Xiong, Amir Bigdeli, Berthold Bickert, Ulrich Kneser
Department of Hand, Plastic and Reconstructive Surgery, University of Heidelberg, BG Clinic Ludwigshafen, Ludwigshafen, Germany

A-0883 Arthritis of the 1st carpometacarpal joint of the thumb: treatment with tenotomy of the accessory bands of Abductor Pollicis Longus (APL)
George Kasimatis, Konstantinos Kourkoutas, Nikolaos Liarakos, Panagiotis Kaldis, Nikolaos Vlachos, Panagiotis Giannakopoulos
Hand, Upper Extremity and Reconstructive Microsurgery Unit, Athens Medical Center, Athens, Greece

A-0885 Restore the native anatomy and function with osteosynthesis of hook of the hamate fractures
Claudia Lamas-Gómez, Ariadna Da Ponte-Prieto, Aranzazu González-Osuna, MC Pulido-Garcia, Laura Velasco-González, Xavier Aguilera-Roig
Hand Unit and Upper Extremity. Department of Orthopaedic Surgery, Universitat Autònoma de Barcelona, Barcelona, Spain

A-0886 Outcome Measurements and functional Benefit in Brachial Plexus Surgery
Richarda Boettcher, Ulrike Schnick
Unit for reconstructive Surgery in brachial plexus injuries, tetraplegia and cerebral palsy, Unfallkrankenhaus Berlin, Germany

A-0889 Lessons for high income health service providers from a reconstructive hand surgery mission in a low income country
James D Bedford [1], Joseph J Dias [2], Vivien C Lees [3,4]
[1] Manchester University Foundation Trust, UK; [2] University of Leicester, UK; [3] Manchester Hand Institute, UK; [4] University of Manchester, UK

A-0891 Comparative Analysis of Releasing The Flexor Carpal Ligament Via Mid-ligament or Ulnar Side in Carpal Tunnel Surgery
Gokce Yildiran, Osman Akdag, Ahmet Bilirer, Zekeriya Tosun
Selcuk University Medical Faculty, Plastic, Reconstructive and Aesthetic Surgery Department, Konya, Turkey

A-0895 Perilunate Injury Not Dislocated, a retrospective case series
Carla Nunes, Andreia Nunes, Ana Ângelo, Joaquim Rodeia, Pedro Fernandes, Raquel Teixeira Carla Nunes [1,2], Andreia Nunes [1], Ana Ângelo [1], Joaquim Rodeia [1], Pedro Fernandes [1], Raquel Teixeira [1]
[1] Hospital de São Francisco Xavier, Lisbon, Portugal; [2] Hospital da Cruz Vermelha Portuguesa, Lisbon, Portugal

A-0896 The Role of Active Range of Motion In Hand And Wrist Joint Motion Photography
Gokce Yildiran, Osman Akdag, Cemil Isik, Zekeriya Tosun
Selcuk University Medical Faculty, Plastic, Reconstructive and Aesthetic Surgery Department, Konya, Turkey

A-0897 I metacarpal lengthening after traumatic thumb amputation - case report
Barbara Igielska-Bela [1,3], Agnieszka Jackiewicz [2], Marek Krzemiński [1]
[1] Szpital Specjalistyczny w Kościerzynie, Poland; [2] Swissmed Hospital, Gdansk, Poland; [3] Medical University of Gdansk, Poland

A-0899 Salvaging digital replantation: Efficiency of Heparin solution subcutaneous injection in finger replantation
Hazem Alfeky [1], Paul McArthur [1], Yasser Helmy [2]
[1] Whiston Hospital, Liverpool, UK; [2] Alazhar University Hospitals, Cairo, Egypt

A-0900 Giant Cell Tumor in the Carpus Treated with Resection, Bonegraft and Midcarpal Arthrodesis
May Tove Hestmo [1], Magne Røkkum [1,2]
[1] Department of Hand and Microsurgery, Ortopaedic Clinic, Oslo University Hospital, Norway; [2] The Faculty of Medicine, University of Oslo, Norway

A-0902 Late mechanical failure of a distal radius volar locking plate
Kanwal Cheema, Raghunandan Kanvinde
Ysbyty Gwynedd, Bangor, Wales, United Kingdom

A-0906 Extra-articular Osteotomy for Malunited Unicondylar Fractures Done with Conical Burs
David García-Romero, Angeles García-Frasquet, Isabel Nieto
Hospital Universitario Virgen Macarena, Sevilla, Spain

A-0908 The prevalence of carpal tunnel syndrome in athletes of sport for People with a disability
Lia Miyamoto Meirelles [1], Carlos Henrique Fernandes [1], Benno Ejnisman [2], Moises Cohen [2], João Baptista Gomes dos Santos [1], Flávio Faloppa [1]
[1] Hospital São Paulo - Universidade Federal de São Paulo - Department of Orthopedic Surgery - Hand Surgery Unit, Brazil; [2] Hospital São Paulo - Universidade Federal de São Paulo - Department of Orthopedic Surgery - Centro de Traumatologia do Esporte

A-0909 Release of elbow contracture using an approach with a skin transposition flap
Bertil Vinnars
Dept of Orthopedic and Hand Surgery, Uppsala University Hospital, Uppsala, Sweden

A-0910 Closed free hand proximal-distal bent k wire imn of metacarpal fractures by 1-2 kirchner wires. A retrospective case series of 23 patients
A Carmel, C Piccard
Laniado Hospital, Netania, Israel

A-0911 Bioengineering and Regenerative Surgery: New Possibilities for Reconstruction of Complex Lacks of the Upper Extremity and of the Hand
Aurelio Portincasa, Liberato Roberto Cecchino, Luigi Annacontini, Fedele Lembo, Domenico Parisi
Plastic surgery Department, University of Foggia, Italy

A-0912 Complications Related to Harvesting Nerve Graft or Obtaining Nerve Biopsy
Ivica Ducic [1,2], Erick DeVinney [2]
[1] Washington Nerve Institute, McLean, VA, USA; [2] AxoGen Inc, Alachua, FL, USA

A-0913 The unnecessary antibiotics in hand trauma: Do we need it? A review on the current practice.
Bismark Adjjei, Hazem Alfeky, Irfan Khan, Chris West, David Bell
Whiston Hospital, Liverpool, UK

A-0915 Are Current Human Nerve Allograft Processing Methodologies Similar Enough to Use Their Data Interchangeably? An Assessment of the Key Factors Relevant to Regeneration and Functional Outcomes Data
Erick DeVinney [1], Anne Engemann [1], Curt Deister [1], Ivica Ducic [1,2]
[1] AxoGen Inc, Alachua, FL, USA; [2] Washington Nerve Institute, USA

A-0916 Congenital constriction ring syndrome: Observations, surgical approach and optimization of treatment
Lisa Ng, Susan Stevenson, Brid Crowley
Department of Plastic and Reconstructive Surgery, Royal Victoria Infirmary, Newcastle upon Tyne Hospitals NHS Foundation Trust, Newcastle upon Tyne, UK

A-0917 Hand Trauma Service at a rural District General Hospital. Challenges of meeting the BSSH 2007 Hand Trauma Standards
David Izadi, Alasdair Barrie, Kevin Williams, Vikram Devaraj, Andrew Watts, Christopher G. Wallace
The Royal Devon and Exeter Hospital, Exeter, UK

A-0918 Minimal endoscopic decompression of ulnar nerve in the cubital tunnel
Dawid Mrozik [1,2], Agnieszka Jackiewicz [1,2]
[1] HANDPROJECT Clinic, Gdańsk, Poland; [2] SWISSMED Private Hospital, Gdańsk, Poland

A-0919 Phalangeal hereditary multiple exostosis causing flexor tendon triggering: A case report
Lisa Ng, Susan Stevenson, Brid Crowley
Department of Plastic and Reconstructive Surgery, Royal Victoria Infirmary, Newcastle upon Tyne Hospitals NHS Foundation Trust, Newcastle upon Tyne, UK

A-0923 Predictive Accuracy of Clinical, Radiological and Neurophysiological Pre-operative Tests in the Diagnosis of Thoracic Outlet Syndrome
Roisin T Dolan [1], Michelle Baker [1], Ciara Deall [1], Ravi Knight [2], David Wilson [3], Henk P Giele [1]
[1] Department of Plastic and Reconstructive Surgery; [2] Department of Neurophysiology; [3] Department of Radiology Oxford University Hospitals NHS Trust, Oxford, UK

A-0924 Artificial Intelligence Revealed Neuroprotective Drug for Nerve Trauma
Joaquim Forés [1], David Romeo-Guitart [2], Mireia Herrando-Grabulosa [2], Raquel Valls [3], Tatiana Leiva-Rodriguez [2], Elena Galea [4], Francisco Gonzalez-Pérez [2], Xavier Navarro [2], Valerie Petegniel [5], Assumpció Bosch [6], Mireia Coma [3], José Manuel Mas [3], Caty Casas [2]

[1] Hospital Clínic. University of Barcelona, Hand and Peripheral Nerve Unit, Spain; [2] Institut de Neurociències and Department of Cell Biology, Physiology and Immunology, Universitat Autònoma de Barcelona (UAB), Centro de Investigación Biomedica en Red sobre Enfermedades Neurodegenerativas (CIBERNED), Bellaterra, Barcelona, Spain; [3] Anaxomics Biotech, S.L, Barcelona, Spain; [4] Institut de Neurociències, Biochemistry and Mlecular Biology, UAB and ICREA, Spain; [5] Department of Brain Ischemia and Neurodegeneration, Tnstitute for Biomedical Research of Barcelona (IIBB), Spanish Research Council (CSIC), Institut d'investigacions Biomèdiques August Pi Sunyer (IDIBAPS), Barcelona, Spain; [6]INc and Department of Biochemistry and Molecular Biology, UAB and CIBERNED, Spain

A-0927 Safety and short term results of mini invasive CTR using smilley meniscotome and a new cannula trocar combination CTCTS
Avshalom Carmel
Laniado Hospital, Netanya, Israel

A-0928 A Comparison of Two Grip Force Evaluation Systems. A Pilot study
Spyridon Gigourtakis [1], Antonia Baxevani [1], Anastasia Pitikaki [1], Georgios Koumantakis [2], Georgios Manolarakis [3], Matthaios Matthaiakis [4], Constantinos Koutsojannis [5]
[1] Physiotherapy Private Practice, Heraklion, Crete, Greece; [2] 401 General Military Hospital of Athens, Athens, Greece; [3] Orthopaedic & Ortho-Trauma Surgeon Private Practice, Heraklio, Crete, Greece; [4] Orthopaedic Surgeon Private Practice, Heraklio, Crete, Greece; [5] University of Patras, Computer Engineering and Informatics Department, Patras, Greece

A-0930 Long-term results of the treatment of Dupuytren's Disease with Collagenase Clostridium Histolyticum (CCH)
Eric Camprubí Garcia, Silvia López Marne, Jose Moranas Barrero
Hospital Universitari de Bellvitge, Barcelona, Spain

A-0931 Sensate nerve fiber transfer from the dorsal branches of the radial nerve for the 1st space to the deep motor branch of the ulnar nerve to protect intrinsic hand muscles from atrophy; an anatomical and histomorphometric study
Michele R Colonna [1], Vincent Casoli [2], Nikolaos Papadopulos [3], Francesco Stagno d'Alcontres [1], Konstantinos Natsis [4], Bruno Battiston [5], Paolo Titolo [5], Pierluigi Tos [6], Francesco Zanchetta [1], Alfio Costa [1], Pietro Micieli [1], Antonina Fazio [1], Gabriele Delia [1], Stefano Geuna [7]
[1] University of Messina, Department of Human Pathology of the Adult, The Child and The Adolescent, Messina, Italy; [2] Department of Hand Surgery, Plastic Surgery, Burn Surgery, CHU University of Bordeaux, Centre François-Xavier-Michelet, Groupe Hospitalier Pellegrin, Bordeaux, France; [3] Department of Plastic Surgery And Burns, Alexandroupoli University General Hospital, Democritus University of Thrace, Alexandroupoli, Greece; [4] Aristotle University of Thessaloniki School of Medicine, Department Of Anatomy And Surgical Anatomy, Thessaloniki, Greece; [5] Azienda Ospedaliero Universitaria Citta della Salute e Della Scienza di Torino, Depatment of Traumatology, Turin, Italy; [6] UOC Hand Surgery And Reconstructive Microsurgery Unit, Asst G Pini-cto, Milano, Italy; [7] University of Turin School of Medicine, Italy

A-0932 Diagnostic guidante in saddle syndrome
Xoan Daniel Garcia Fuentes, Maria Angeles Garcia Frasquet, Rodrigo Marcos Rabanillo
Hospital Universitario Virgen Macarena

A-0933 Functional outcome of shoulder arthrodesis in brachial plexus palsy patients. Prospective study
Guilherme Sevá Gomes, Marcelo Rosa de Rezende, Álvaro Bayk Cho, Laura Lorimier, Danielle Scarcella
Instituto de Ortopedia e Traumatologia da Universidade de São Paulo, São Paulo, Brazil

A-0935 Neoprene splinting and spasticity
Giovanni Pegoraro [1], Ilaria Filippin [1,2]
[1] Fondazione Borghi Varese, Italy; [2] GVDR institute, Padova, Italy

A-0936 Rearticulation of fused wrists with the Motec prosthesis
Magne Røkkum, Trygve Holm Glad, Rasmus Thorkildsen, Ole Reigstad
Oslo University Hospital, Norway

A-0938 Bipolar radiofrequency for effective mini-operative treatment of tennis elbow
Dawid Mrozik [1,2], Agnieszka Jackiewicz [1,2]
[1] HANDPROJECT Clinic, Gdańsk, Poland; [2] SWISSMED Private Hospital, Gdańsk, Poland

A-0939 Complication rate after open fascietomy versus needle fascietomy in patients with diabetes mellitus
Grigorios Kastanis, George Belivasakis, Petros Kapsetakis, Eirini Trachanatzi, Idomeneas Makrigianakis, Nikolaos Bounakis
General Hospital of Heraklion- Venizelio, Greece

A-0940 MRI in Acute Elbow Dislocation: Is It Helpful In Diagnosis and Treatment?
Elisa Dutto [1], Alessandra Gallo [2], Arman Sard [1], Stefania Vanni [1], Bruno Battiston [1]
[1] Department of Orthopedic and Traumatolgy 2, AOU Città della Salute e della Scienza, PO CTO, Turin, Italy; [2] Department of Radiology, AOU Città della Salute e della Scienza, PO CTO, Turin, Italy

A-0944 Treatment of perilunate fracture dislocations with a single dorsal approach: patient related midterm results.
Panagiotis Kanellos, Dimitrios Flevas, Konstantinos Tolis, Maria Ladogianni, Sarantis Spyridonos
"KAT" Hospital, Athens, Greece

A-0945 The functional outcomes of deep friction massage as protocol of rehabilitation in perilunate injuries of the wrist
Anna Pantouvaki, George Velivasakis, Petros Kapsetakis, Grigorios Kastanis
General Hospital of Heraklion - Venizelio, Greece

A-0948 Hook plate in treatment of bony mallet finger

Alberto Sgarbossa
Ist Clinico S. Anna, Brescia, Italy

A-0949 Uncommon Congenital Malformation's Associations. Molecular Explanation
Marisa Cabrera-Gonzalez [1,2], Laura M. Perez-Lopez [2], Diego Gutierrez-de la Iglesia [2]
[1] Congenital Upper Limb Malformation Unit Chief; [2] Pediatric Orthopaedic Department Sant Joan de Deu Children's hospital, University of Barcelona, Spain

A-0953 Thumb Duplication Surgical Reconstruction. Predictive Factors.
Laura M. Perez-Lopez [1], Marisa Cabrera-Gonzalez [1,2], Gutierrez-de la Iglesia [1]
[1] Pediatric Orthopaedic Department Sant Joan de Deu Children's Hospital, University of Barcelona, Spain; [2] Congenital Upper Limb Malformation Unit, Chief. Pediatric Orthopaedic Department Sant Joan de Deu Children's hospital, University of Barcelona, Spain

A-0954 Case Report: Angiosarcoma of the Hand with Coagulation Control Challenge.
Ahmet Savran [1], Ozgun Gunturk [2], Omur Balli [1]
[1] Izmir Katip Celebi University Ataturk Education and Research Hospital, Izmir, Turkey; [2] Gaziantep Dr. Ersin Arslan Education and Research Hospital, Gaziantep, Turkey

A-0955 Identifying enchondromas of the hand at risk for pathological fracture - a review of 79 cases
Judit Réka Hetthéssy [1], Noémi Szakács [1], Péter Vancsó [1], Andrea Újszászi [2], Tünde Szilas [3]
[1] Semmelweis University, Department of Orthopedics, Budapest, Hungary; [2] Heim Pál Children\'s Hospital, Budapest, Hungary; [3] Semmelweis University, Faculty of Medicine, Budapest, Hungary

A-0956 Arthroscopic treatment of scaphoid nonunion, preliminary results
Robert Gvozdenovic
Herlev and Gentofte Hospital, University of Copenhagen, Department of Orthopaedic Surgery, Hand Surgery Unit, Copenhagen, Denmark

A-0957 OrthOracle and the acquisition of procedural skills using cognitive simulation
Petros Mikalef, Manish Gupta, Rajive Jose, Mark Herron, Dominic Power
Birmingham Hand Centre, UK

A-0959 Surgical treatment of nonunions and defects of the distal humerus
I M Kurinnyi, O S Strafun, A S Lysak
State institution "Institute of Traumatology and Orthopedics of NAMS of Ukraine", Kyiv, Ukraine

A-0963 Case Report: Hypothenar Hammer Syndrome with Pseudoaneurism of Ulnar Artery
Ahmet Savran [1], Ozgun Gunturk [2]
[1] Izmir Katip Celebi University Ataturk Education and Research Hospital, Izmir, Turkey; [2] Gaziantep Dr. Ersin Arslan Education and Research Hospital, Gaziantep, Turkey

A-0965 Brachial plexus impingement secondary to ICD wires: A Case Report
Ishan Radotra [1], Natalie Jumper [1], N Campbell [2], Anuj Mishra [1]
[1] Department of Plastic and Reconstructive Surgery, University Hospital South Manchester NHS Foundation Trust, UK; [2] Department of Cardiology, University Hospital South Manchester NHS Foundation Trust, UK

A-0966 Prospective study of the first 50 Dual mobility trapeziometacarpal Maia prosthesis with 2 years follow-up
Stéphane Barbary [1], Thomas Apard [2], Jean-louis Bovet [3], Jacques Teissier [4]
[1] Centre Chirurgicale ADR, Nancy, France; [2] Center of Echo Handsurgery, Versailles, France; [3] Orthopole, Bruges, France; [4] Orthosud, Montpellier, France

A-0968 Systematic Follow-up after Supraclavicular First Rib Resection for Thoracic Outlet Syndrome using Quick DASH and Cervical Brachial Symptom Questionnaire pre- and postoperatively
Claudia Bauer, Reinhold Stober
Handchirurgie Kantonsspital Olten, Switzerland

A-0973 The Inflatable Carrot- An orthosis for flexion contractures of the hand
Ishan Radotra, Benjamin Baker, Stuart W McKirdy
Department of Plastic Surgery, Royal Preston Hospital, Preston, UK

A-0975 The Surgical and Reconstructive Management of Bowen’s disease of the Palm: A rare presentation
Ishan Radotra, Maria Chasapi, Anil Agarwal
Department of Burns & Plastic Surgery, Royal Preston Hospital, UK

A-0977 The infraclavicular approach for neurectomy of the spastic shoulder
Petros Mikalef, Colin Shirley, Dominic Power
Birmingham Hand Centre, UK

A-0979 Can a virtual fracture clinic be used to safely manage paediatric patients with suspected scaphoid fractures?
Tariq Aboelmagd [1], Karim Aboelmagd [1], Jennifer Lane [1,2], Neville Davies [1], Claire Middleton [1], John Morley [1]
[1] Royal Berkshire Hospital, Reading, UK; [2] University of Oxford, UK

A-0980 Cross Sectional Area just Proximal to the Carpal Tunnel According to the Ulnar Variances
Soo Min Cha, Hyun Dae Shin
Department of Orthopedic Surgery, Regional Rheumatoid and Degenerative Arthritis Center, Chungnam National University Hospital, Chungnam National University School of Medicine, Daejeon, South Korea

A-0981 The science of hand holding
Lorenza Caggiati, Henk P Giele
University of Oxford, UK

A-0982 Buttress Plating for Volar Barton Fractures in Children
Soo Min Cha, Hyun Dae Shin
Department of Orthopedic Surgery, Regional Rheumatoid and Degenerative Arthritis Center, Chungnam National University Hospital, Chungnam National University School of Medicine, Daejeon, South Korea

A-0983 Antegrade intramedullary pinning in subacute fifth metacarpal neck fracture after failed conservative treatment
Soo Min Cha, Hyun Dae Shin
Department of Orthopedic Surgery, Regional Rheumatoid and Degenerative Arthritis Center, Chungnam National University Hospital, Chungnam National University School of Medicine, Daejeon, South Korea

A-0984 Treatment of humeral condylar fractures in the elderly with locking plates
Hiroki Nishikawa [1], Keikichi Kawasaki [1], Kazutoshi Kubo [1], Tetsuya Nemoto [1], Sadaaki Tsutsui [1], Yutaka Kubota [1], Katsunori Inagaki [1], Jun Ikeda [2], Takuma Kuroda [2], Yukio Ueno [3]
[1] Showa University Hospital, Tokyo, Japan; [2] Showa University Northern Yokohama Hospital, Kanagawa, Japan; [3] Ohta-Nishinouchi Hospital, Fukushima, Japan

A-0985 Reconstruction of metacarpals using bone graft
Ciara Deall, Parkash Lohana, Khalid Qureishi, Garth Titley, Rajive Jose
Queen Elizabeth Hospital, Birmingham, UK

A-0986 The mangled hand Revisited: The challenge of the functional reconstruction
Hazem Alfeky, Susie Yao, Jamie Barnes, Ahmed Abd El Gawad, Irfan Khan, Chris West, David Bell
Whiston Hospital, Liverpool, UK

A-0987 Effects of a temperature-sensitive, anti-adhesive agent on the clinical outcome of carpal tunnel release surgery
Soo Min Cha, Hyun Dae Shin
Department of Orthopedic Surgery, Regional Rheumatoid and Degenerative Arthritis Center, Chungnam National University Hospital, Chungnam National University School of Medicine, Daejeon, South Korea

A-0988 Treatment of a long-standing pediatric lateral humeral condyle fracture nonunion. A case report
Johannes Rois, Werner Girsch
Trauma Center Vienna Meidling, Vienna, Austria

A-0989 Surgical treatment of proximal nerve entrapment at the elbow by release of the lacertus fibrosus realease with ultrasound guided surgery and WALANT
Gilles Candelier, Thomas Apard, Yann Erwan Favennec
Hand Surgery Center Private Hospital Saint Martin, Caen, France

A-0990 Percutaneous screw fixation of fractures of the waist of the scaphoid
Johannes Rois
Trauma Center Vienna Meidling, Vienna, Austria

A-0991 Patient and Parent Reported Outcomes Following Pollicisation
Sarah Tolerton [1], Belinda Smith [1], David Stewart [1]
[1] Department of Hand Surgery & Peripheral Nerve Surgery, Royal North Shore Hospital, The Children's Hospital at Westmead, University of Sydney, Sydney, Australia

A-0994 Replantation of the hand with third degree burns – case report
Tomas Kubek [1,2], Pavel Novak [1], Libor Streit [1,2], Jiri Vesely [1,2]
[1] Department of Plastic and Aesthetic Surgery, St. Anne's University Hospital Brno, Czech Republic; [2] Faculty of Medicine, Masaryk University, Brno, Czech Republic

A-0995 Can a virtual fracture clinic be used to safely manage adult patients with suspected scaphoid fractures?
Karim Aboelmagd [1], Tariq Aboelmagd [1], Jennifer Lane [1,2], Claire Middleton [1], John Morley [1]
[1] Royal Berkshire Hospital, Reading, UK; [2] University of Oxford, UK

A-0996 Disparities in Treatment of Traumatic Nerve Injuries of the Upper Extremity
Abbas Peymani [1,2], Anna Rose Johnson [1], Samandar Dowlatshahi [1], Simon Strackee [2], Samuel Lin [1]
[1] Division of Plastic and Reconstructive Surgery, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, MA, USA; [2] Department of Plastic, Reconstructive and Hand Surgery, University of Amsterdam, Amsterdam, The Netherlands

A-1002 Restoration of the deltoid by nervous transfer of a triceps motor branch on the axillary nerve. Study of 19 patients.

Romain Detammaecker, Lionel Athlani, Yohan Kim De Almeida, Sandrine Huguet, Francois Dap, Gilles Dautel
Department of Hand Surgery, Plastic and Reconstructive Surgery. Centre Chirurgical Emile Gallé CHU, France

A-0997 Does Hand Inactivity Cause Tendon Hypotrophy within the Carpal Tunnel?
Sami Hassan, Darryl Ramoutar, Jeremy Rodrigues, Dan Thurston, Timothy R C Davis
Queen's Medical Centre Campus, Nottingham University Hospitals NHS Trust, UK

A-1001 Transposition of interosseous muscles - new techniques in pollicization
Vladimir Zavarukhin
University Clinic of St. Petersburg, Russia

A-1004 The use of medicinal leeches in finger replantations
Tomas Kubek [1,2], Libor Streit [1,2], Igor Stupka [1], Jiri Vesely [1,2]
[1] Department of Plastic and Aesthetic Surgery, St. Anne's University Hospital Brno, Czech Republic; [2] Faculty of Medicine, Masaryk University, Brno, Czech Republic

A-1006 Use of intercostal nerves in treatment of complete brachial plexus palsy
Mikhail Novikov, Timur Torno, Andrey Fedorov, Armen Karapetyan
N. Solovjov's Emergency Medicine Hospital and Yaroslavl State Children's Hospital, Yaroslavl, Russia

A-1105 Clinical Dorsal Wrist Ganglion examined by Pathology, Ultrasound, X-ray and Magnetic Resonance Imaging.
Jamila Hussein Eriksen [1], Niels Søe Nielsen [2], Dimitar Ivanov Radev [2], Charlotte Strandberg [2], Merete Juhl Kønig [2], Eva Balslev [3], Lisbeth Vesterløkke [2], Helle Raagaard Larsen, Nana Vermehren [4], Gudlaug Rosa Sigurdardottir [2], Britt Ebstrup [2]
[1] Nordsjællands Hospital, Hillerød, Denmark; [2] Gentofte Hospital, Denmark; [3] Herlev Hospital, Denmark; [4] Alexis-Hamlet Hospital, Denmark

A-1008 Supplemental Method for Reduction of Irreducible Mallet Finger Fractures by the Two Extension Block Technique: The Dorsal Counterforce Technique
Jung Eun Lee [1], Young Ho Lee [2], Jihyeung Kim [2], Hyun Sik Gong [3], Goo Hyun Baek [2]
[1] Gil Medical Center, Gachon University School of Medicine, Incheon, South Korea; [2] Seoul National University Hospital, Seoul, South Korea; [3] Seoul National University Bundang Hospital, Gyeonggi-do, South Korea

A-1009 Treatment for Patients with Radial Nerve Palsy showing the Distraction of Fracture Gap in Transverse Humeral Shaft Fracture
Young Ho Lee [1], Jung Eun Lee [2], Jihyeung Kim [1], Hyun Sik Gong [3], Goo Hyun Baek [1]
[1] Seoul National University Hospital, Seoul, South Korea; [2] Gil Medical Center, Gachon University School of Medicine, Incheon, South Korea; [3] Seoul National University Bundang Hospital, Gyeonggi-do, South Korea

A-1010 Morbidity of interventions in the treatment of primary Dupuytren's Disease
David J Hunter-Smith, Robert Capstick, Rachael Leung, Angela Lei, David Nour, Warren Rozen
[1] Department of Plastic and Reconstructive Surgery, Frankston Hospital, Peninsula Health; [2] Monash University Plastic and Reconstructive Surgery Group

A-1011 Clinical effects of ulnar variance which lengthened again after ulnar shortening osteotomy
Hee Seop Lee, Myung Jae Oh, Ilhoon Kwak, Jong Woo Kang, Min Jung Park, Hye Jin Park
Korea University Ansan Hospital, Ansan, South Korea

A-1012 Factors associated with pain intensity in idiopathic ulnar impaction syndrome (Does longer ulna induces severer pain in idiopathic ulnar impaction syndrome?)
Hee Seop Lee, Myung Jae Oh, Ilhoon Kwak, Jong Woo Kang
South Korea University Ansan Hospital, Ansan, South Korea

A-1013 Functional Outcomes of Ultrasound guided Platelet Rich Plasma Injection in Recalcitrant lateral epicondylitis after Steroid Injection: Case Series
T Tawonsawatruk [1], P Tuntiyatorn [2], T Kanchanathepsak [1], I Watcharananan [1]
[1] Department of Orthopaedics, Faculty of Medicine, Ramathibodi Hospital, Mahidol University, Bangkok, Thailand; [2] Chakri Naruebodindra Medical Institute, Faculty of Medicine, Ramathibodi Hospital, Mahidol University, Bangkok, Thailand

A-1014 Vascularized fibula flap in orthopaedic surgery
Raquel Bernardelli Iamaguchi, Marco Aurélio de Moraes, Renan Lyuji Takemura, Gustavo Bersani Silva, Jairo Andre de Oliveira Alves, Alvaro Baik Cho, Teng Hsiang Wei, Marcelo Rosa de Rezende, Rames Mattar jr
University of Sao Paulo, Brazil

A-1016 Delay treatment of intraarticular finger fractures.
Amir Reza Farhoud, Ehsan Vahedi, Keivan Rahbari, Atieh Sami
Tehran University of Medical Sciences; Joint Reconstruction Research Center (JRRC), Iran

A-1018 Palmaris longus tendocutaneous arterialized venous free flap to reconstruct the interphalangea collateral ligament in composite defects
Sang Hyun Woo
W Institute for Hand and Reconstructive Microsurgery, W Hospital, Daegu, South Korea

A-1023 Isolated flexor pollicis longus nerve fascicle injury - a rare differential diagnosis of thumb flexion deficiency
Andreas Gohritz, Jan Fridén
Hand Surgery, Swiss Paraplegia Center, Nottwil, Switzerland

A-1024 Side-to-side tendon suture to enable extensor indicis tendon plasty in distal extensor pollicis longus rupture
Andreas Gohritz [1,2], Jan Fridén [1], Dirk J. Schaefer [2]
[1] Hand Surgery, Swiss Paraplegia Center, Nottwil, Switzerland; [2] Plastic, Reconstructive and Aesthetic Surgery, Hand Surgery, University Hospital, Basel, Switzerland

A-1029 Development of a new designed knife for trigger fingers
Yoshimasa Tomita [1], Hideyuki Hirasawa [1], Yu Sugawara [1], Ryohei Matsuo [1], Akira Sakurai [1], Yuuta Asanuma [1], Kouju Hayashi [1], Shinnosuke Hada [1], Fumihiro Mukasa [1], Keiichiro Kumagai [1], Yuka Igeta [3], Katsutoshi Noike [2], Kouichi Kusunose [1]
[1] Department of Orthopedic and Hand Surgery, Tokyo Rosai Hospital, Tokyo, Japan; [2] Department of Orthopaedic Surgery, Mejiro Hospital, Tokyo, Japan; [3] Department of Hand surgery, Strasbourg University Hospital, Strasbourg, France

A-1033 Nonsurgical and Surgical Management of Patients with Positive Ulnar Fovea Sign
Min Kai Chang [1], Shian Chao Tay [1,2,3]
[1] Duke-NUS Medical School, Singapore; [2] Biomechanics Laboratory, Singapore General Hospital; [3] Department of Hand Surgery, Singapore General Hospital

A-1034 A review of cyclic testing protocols for flexor tendon repairs
Min Kai Chang [1], Yiwei Zeus Lim [2], Yoke Rung Wong [2], Shian Chao Tay [1,2,3]
[1] Duke-NUS Medical School, Singapore; [2] Biomechanics Lab, Singapore General Hospital; [3] Department of Hand Surgery, Singapore General Hospital

A-1036 Reconstruction for Chronic Scapholunate Dissociation with DIC stabilized by RASL vs SwiveLock as internal splint
keiji Fujio [1], Takumi Hashimura [2], Kazuaki Tsuyuguchi [1], Hyongyon Kan [1], Masayuki Matsuoka [1]
[1] Hand Center and Medical Institute, Kansai Electric Power Hospital, Osaka, Japan [2] Orthopaedic Department, Kobe Municipal Medical Center

A-1039 Treatment No Surgical Mallet Finger. Prospective Study
Fernanda Bellei Rocha [1,2,3], Luiz Carlos Angelini [1,4], Marcelo Tavares Oliveira [4], Marcos Yoshio Yano [4]
[1] UNIFESP University of São Paulo SP, Brazil; [2] Hospital University of Taubaté- SP, Brazil; [3] Orthoservice Hospital - São José dos Campos SP, Brazil; [4] Hospital Germany Osvaldo Cruz - São Paulo SP, Brazil

A-1040 Intrasynovial tendon grafting for finger flexor tendon reconstruction
Hiroyuki Ohi
Hand & Microsurgery Center, Seirei Hamamatsu General Hospital, Hamamatsu, Japan

A-1041 The Use of Lag Screw in Fracture Dislocation of The Proximal Interphalangeal Joint
Dong Geun Lee
Chungbuk National University Hospital, Cheongju, South Korea

A-1042 Composite ALT(anterolateral thigh) perforator flap with tendon transfer for soft tissue heel defect including Achilles' tendon loss
Dong Geun Lee
Chungbuk National University Hospital, Cheongju, South Korea

A-1043 Clinical Outcomes of Zone 2 Flexor Tendon Repairs Using the Modified Lim/Tsai Technique
Min Kai Chang [1], Sanchalika Acharyya [1], Yiwei Zeus Lim [2], Shian Chao Tay [1,2,3]
[1] Duke-NUS Medical School, Singapore [2] Biomechanics Laboratory, Singapore General Hospital [3] Department of Hand Surgery, Singapore General Hospital

A-1044 The role of intact vincula tendinum in the results after delay flexor tendon repair in zone II
Claudia Lamas-Gómez, Laura Velasco-González, Marta Almenara-Fernández, Ariadna da Ponte-Prieto, MC Pulido-Garcia, Aranzazu González-Osuna.
Hand Unit and Upper Extremity. Department of Orthopaedic Surgery. Universitat Autònoma de Barcelona.

A-1046 Wide awake local anesthesia no tourniquet technique(WALANT) for Extensor Indicis Proprius (EIP) tendon transfer.
Seung-Bum Chae
Daegu Catholic University Medical Center, Daegu, South Korea

A-1047 Synovial chondromatosis of the pisotriquetral joint – case presentation
Judit Réka Hetthéssy, Noémi Szakács
Semmelweis University, Department of Orthopedics, Budapest, Hungary

A-1048 Hemi Resection of the Ulnar Head as an Alternative to Its Total Excision in Management of Distal Radio-ulnar Joint Arthrits.
Muhammad A Quolquela
Tanta University, Department of orthopaedics, Tanta, Egypt

A-1055 Nerve wrapping using cephalic and basilica vein for treatment of recurrent chronic nerve scarring of median nerve
Davide Smarrelli

Humanitas-Gavazzeni Institute, Bergamo, Italy

A-1057 Tendon transfers in Charcot-Marie-Tooth neuropathy
Atakan Aydın
Istanbul Medical Faculty, Istanbul, Turkey

A-1058 Contracture treatment in Emery-Dreifuss muscular dystrophy
Atakan Aydın
Istanbul Medical Faculty, Istanbul, Turkey

A-1060 Management of shoulder internal rotation limitation in obstetrical palsy.
Atakan Aydin [1], Safiye Özkan [1], Zeynep Hoşbay [2]
[1] Istanbul Medical Faculty, Istanbul, Turkey; [2] Bezmialem Vakif University, Istanbul, Turkey

A-1061 Long Head of Triceps Transfer to Gain Elbow Flexion in 15 Patients
Atakan Aydin [1], Ömer Berköz [1], Serhat Dündar [1], Safiye Özkan [1], Zeynep Hoşbay [2]
[1] Istanbul Medical Faculty, Istanbul Turkey; [2] Bezmialem Vakif University, Istanbul, Turkey

A-1062 Lower Trapezius Transfer for Triceps Function in Obstetric Palsy. Review of Other Methods and Presentation of 7 Cases
Atakan Aydin [1], Yasin Canbaz [1], Safiye Özkan [1], Zeynep Hoşbay [2]
[1] Istanbul Medical Faculty, Istanbul, Turkey; [2] Bezmialem Vakif University, Istanbul, Turkey

A-1063 Psychosocial assessment procedure for bionic reconstruction in patients with global brachial plexus injuries
Anna Pittermann [1 2], Laura Hruby [2], Agnes Sturma [2 3], Oskar C. Aszmann [2]
[1] General Hospital Vienna, Austria [2] Medical University Vienna, Austria [3] University of Applied Sciences FH Campus, Vienna, austria

A-1064 Validity of Upper Extremity Questionnaire Results Completed at New Patient Intake vs. Day of Surgery: Does Informed Consent make a Difference?
Tochukwu Ikpeze [1], Taylor Buckley [1,2], Sean Childs [1], David Mitten [1], John Elfar [3]
[1] University of Rochester Medical Center, Department of Orthopedics and Rehabilitation Rochester, NY, USA; [2] Northern Rockies Orthopedics, Missoula, MT, USA; [3] Milton S Hershey Medical Center, Center for Orthopedics Research and Translational Science Hershey, PA, USA

A-1069 Fractures of the metacarpals or phalanges of the hand – are outcomes similar between conservative and surgical management?
T Jegathesan,Chong Xue Ling, Vaikunthan Rajaratnam
Khoo Teck Puat Hospital, Singapore

A-1072 Results of denervation for management of tennis elbow
Muhammad A Quolquela
Tanta University, Department of orthopaedics, Tanta, Egypt

A-1073 Apert's hand revisited: A new classification system
Hazem Alfeky, Paul McArthur
Plastic Surgery department, Alder Hey Children's Hospital, Liverpool, UK.

A-1086 Is it useful the arthroscopic treatment to scaphotrapeziotrapezoid joint osteoarthritis?
María José Ferreirós Conde [1] , Lorena Fontao Fernández [2], José Luis Fernández Luna [3]
[1] Alvaro Cunqueiro University Hospital, Vigo, Spain; [2] Santa Lucia University Hospital, Cartagena, Spain; ; [3] Emergency Service 061, Murcia, Spain

A-1090 Trapeziometacarpal arthrodesis using chevron osteotomy, longitudinal K-wire, and K-wire compression staples
Seung-Han Shin, Keun-Young Choi, Yong-Suk Lee, Yang-Guk Chung, Seok-Whan Song, Hyoung-Min Kim, Jae-Young Lee
Seoul St. Mary's Hospital, The Catholic University of Korea, Seoul, Republic of Korea

A-1091 Bilateral elastofibroma dorsi: a case report and review of the litterature
Slimane Ouali, Laurent Bourcheix, Patrick Houvet
Institut Francais de Chirurgie de la Main, Paris, France

A-1092 Iatrogenic injuries of the radial nerve – a frequent problem?
Richarda Boettcher, Ulrike Schnick
Unit for reconstructive Surgery in Brachial Plexus Injuries, Tetraplegia and Cerebral Disorders, Department for Hand-, Replantation- and Microsurgery, Unfallkrankenhaus, Berlin

A-1096 Investigation Activity Profiles With Disabilities Of The Arm, Shoulder And Hand (DASH) Questionnaire In Turkish Population With Distal Radius Fractures
Özge Buket Cesim, Başak Karadağ, Elif Cimilli, Burcu Semin Akel, Çiğdem Öksüz
Hacettepe University, Ankara, Turkey

A-1099 Joint survival analysis and clinical outcome of bilateral total joint arthroplasties with the Isis implant in the treatment of trapeziometacarpal osteoarthritis.
Gauthier Menu, Etienne Boyer, François Loisel, Daniel Lepage, Laurent Obert
Orthopedic, Traumatology, and Hand Surgery Unit, CHRU Besancon - University of Bourgogne – Franche-Comte, Bd. Fleming, 25030 Besancon,

France

A-1100 Joint survival analysis and clinical outcome of total joint arthroplasties with the Isis implant in males patients only.
Gauthier Menu, Etienne Boyer, François Loisel, Daniel Lepage, Laurent Obert
Orthopedic, Traumatology, and Hand Surgery Unit, CHRU Besancon - University of Bourgogne - Franche Comte, Bd Fleming, 25030 Besancon, France

A-1101 Joint survival analysis and clinical outcome of total joint arthroplasties with the Isis implant in the treatment of trapeziometacarpal osteoarthritis: multicenters prospective continue case series with a minimal follow-up of 5 years.
Gauthier Menu, Etienne Boyer, François Loisel, Daniel Lepage, Laurent Obert
Orthopedic, Traumatology, and Hand Surgery Unit, CHRU Besancon - University of Bourgogne - Franche Comte, Bd Fleming, 25030 Besancon, France

A-1102 Joint survival analysis and clinical outcome of total joint arthroplasties with the Isis implant in patients with scaphotrapeziotrapezoid osteoarthritis.
Gauthier Menu, Etienne Boyer, François Loisel, Daniel Lepage, Laurent Obert
Orthopedic, Traumatology, and Hand Surgery Unit, CHRU Besancon - University of Bourgogne - Franche Comte, Bd Fleming, 25030 Besancon, France

A-1109 Complex Transverse Fractures of the Olecranon Treated by the Tension Band Wiring following Absorbable Pin Fixation of Articular Fragment
Young Ho Lee [1], Jung Eun Lee [2], Jihyeung Kim [1], Hyun Sik Gong [3], Goo Hyun Baek [1]
[1] Seoul National University Hospital, Seoul, South Korea; [2] Gil Medical Center, Gachon University School of Medicine, Incheon, South Korea; [3] Seoul National University Bundang Hospital, Gyeonggi-do, South Korea

A-1110 A new staging system to evaluate treatment results and recurrence rate in Dupuytren's disease.
Stefano Galli
Orthopaedic Clinic - University of Brescia, Brescia, Italy

A-1112 Tensegrity in the common digital nerves: A cadaveric pilot for the STRAIN study
Isabel Guy [1], Daniel Guerero [1], Manish Gupta [2], Petros Mikalef [2], Dominic Power [2,3]
[1] Birmingham University, UK; [2] Birmingham Hand Centre, UK; [3] Institute for Translational Medicine, UK

A-1114 Rehabilitation following nerve transfers in the upper extremity
Agnes Sturma [1,2], Laura A Hruby [1], Cosima Prahm [1], Johannes Mayer [1], Oskar C Aszmann [1,3]
[1] Christian Doppler Laboratory for Restoration of Extremity Function, Medical University of Vienna, Vienna, Austria [2] Master Degree Program, Health Assisting Engineering, University of Applied Sciences FH Campus, Vienna, AUSTRIA. [3] Division of Plastic and Reconstructive Surgery, Department of Surgery, Medical University of Vienna, Vienna, AUSTRIA

A-1115 Orthopedic Emergency of Hemophilia: Compartment Syndrome in a Infant
Ahmet Savran [1], Kubilay Erol [2], Levent Kucuk [2], Erhan Coskunol [2]
[1] Katip Celebi University Ataturk Research and Training Hospital, Izmir, TURKEY; [2] Ege University Medical Faculty Hospital, Izmir, TURKEY.

A-1116 Scapulothoracic Dissociation with Floating Elbow in a Patient
Ahmet Savran [1], Kubilay Erol [2], Levent Kucuk [2], Erhan Coskunol [2]
[1] Katip Celebi University Ataturk Research and Training Hospital, Izmir, TURKEY; [2] Ege University Medical Faculty Hospital, Izmir, TURKEY.

A-1119 Repair of distal biceps tendon injuries
L. Martini, G. Caruso, L. Preziuso, P. Bagnoli[1], A. Vitali
Hand Surgery Unit; [1] Phisiotherapy Unit Azienda Usl Toscana Centro, Firenze, Italy

A-1120 Wide Awake and ultrasound guided release of the lacertus fibrosis for chronic exertional compartment syndrome of the forearm. A prospective study.
Gilles Candelier, Thomas Apard, Yann Erwan Favennec
Hand Surgery Center, Caen, France

A-1121 Suture button suspensionplasty for thumb carpometacarpal joint osteoarthritis using Mini TightRope FT
Hiroko Shiraishi [1], Soya Nagao [1,2], Kana Kataoka [1], Yoshiaki Tomizuka [1], Masahiro Nagaoka [1], Yasuaki Tokuhashi [1]
[1] Nihon University School of Medicine, Tokyo, Japan; [2] Itabashi Medical Association Hospital, Tokyo, Japan

A-1123 Proximal hand and forearm Replantation: Improving the outcomes
Hazem Alfeky [1], Esam Tamman [2]
[1]: Whiston hospital, Liverpool, UK. [2]: Alazhar University Hospitals, Damietta city ,Egypt.

A-0578 Experience from an interdisciplinary arthrogryposis clinic in the North of England
Marta Bertoli [2], Philip Henman [1], Sahan Rannan-Eliya [1], Julie Allen [1], Volker Straub [3], Bríd Crowley [1]
[1] Royal Victoria Infirmary, The Newcastle upon Tyne Hospitals NHS Foundation Trust, Newcastle upon Tyne, UK; [2] Northern Genetics Service, Institute of Human Genetics, Newcastle upon Tyne Hospitals NHS Foundation Trust, Central Parkway, Newcastle upon Tyne UK; [3] Institute of Genetic Medicine, MRC Centre for Neuromuscular Disease, Newcastle University, Newcastle upon Tyne, UK