

**MIDWESTERN
SOCIETY OF
ORTHODONTISTS**

Enhancing Orthodontics through

BODY

MIND

HEART

SOUL

2015 MSO ANNUAL SESSION

Co-sponsored by the Minnesota Association of Orthodontists
and Missouri Society of Orthodontists

**OCTOBER
9-10
2015**

**HISTORIC KAHLER
GRAND HOTEL
ROCHESTER, MN**

Register online today at www.msortho.org!

PRESIDENT'S WELCOME LETTER

Reserve October 9 – 10 to Enhance the Health of Your Practice and the Total Wellness of Your Patients, Staff and Yourself!

Make plans now to enhance the lives of your patients, staff, family and practice through the Body, Mind, Heart and Soul presentations at this unique MSO Annual Session held next door to Mayo Clinic at the historic Kahler Grand Hotel in Rochester, Minnesota. Hotel discounts are also available at the Rochester Marriott across the street.

Bring your spouse/guest and entire staff team to learn from an extensive array of healthcare and orthodontic issues related to the overall care of your patients, staff and family by Mayo Clinic Consultants and University of Minnesota Specialists.

FRIDAY'S COMBINED DOCTOR, STAFF AND SPOUSE LECTURE PROGRAM features a "medical" review-format highlighting some of Mayo Clinic's most cutting-edge clinicians and topics.

SATURDAY'S SCIENTIFIC LECTURES start off with a lively interactive program by Rochester orthodontist and University of Minnesota Program Director, Dr. Brent Larson, and concludes with other University of Minnesota lecturers presenting the latest information to improve and augment the performance of your orthodontic practice.

AMY KIRSCH shares her energetic and impactful ideas on "Overcoming the Top Five Challenges Facing Successful Orthodontic Practices Today" and "Improving Patient Relations in Going from Average to Great" during a separate staff lecture on Saturday.

Attendees at the 1997 MSO Annual Session in Rochester are still commenting about the insightful knowledge gained from Mayo Clinicians that you will want to ensure your **entire staff team and spouse/guest** participate. Register your spouse/guest to go to Friday's Mayo lectures and consider the optional wine and canvas event on Saturday (separate registration required). Come early or stay later to see Mayo's extensive art collection, Mayowood (home of the Mayo brothers), fall colors with a drive in the country to Four Daughters Winery or Mississippi River Valley & Eagle Center or shop at Mall of America in Minneapolis.

Enhance your knowledge by networking with industry partners at table top displays outside the lecture room, and with all attendees at the Rochester Art Center reception where MSO's award winner Dr. John Kanyusik will be honored. The registration package includes the Art Center reception admittance and hot gourmet hors d'oeuvres, along with food and beverage in the exhibit area (two continental breakfasts, two box lunches and three coffee breaks).

You have the amazing opportunity to **invest in your health** with priority scheduling for Mayo Clinic's Executive Health Physical (EHP). There is **Power in Prevention!** Contact Mayo Clinic's EHP at 507-284-2288 **BY AUGUST 31** to schedule an appointment before or after the 2015 MSO Annual Session or at another time.



Deborah J. Lien
2014 – 2015 MSO President

A special thank you to our dedicated 2015 Planning Committee for their input on putting together this exciting program of events! My husband Dale and our family look forward to seeing you in the "Land of 10,000 Lakes" in Rochester this fall.

Deborah J. Lien

2015 MSO EARL E. SHEPARD DISTINGUISHED SERVICE AWARD WINNER Dr. John Kanyusik



Join colleagues at the MSO Annual Business Meeting in honoring Dr. John Kanyusik as the 2015 MSO Earl E. Shepard Distinguished Service Award winner. MSO's annual service award recognizes a person who exemplifies the ideals of the orthodontic profession and has made exemplary contributions to the art and science of orthodontics. Dr. Kanyusik practices with Southern Minnesota Orthodontics in Mankato, Minnesota and teaches part-time in the Department of Orthodontics at the University of Minnesota. He served as MSO President 2009-2010, many years as an MSO Delegate and AAO Reference Committee Chair, and chair of the Council on Membership, Ethics, and Judicial Concerns. Dr. Kanyusik teaches extensively with Health Volunteers Overseas and currently is the Co-Chair of the ABO/CDABO Resident Advocacy Committee.

THANKS TO THE 2015 MSO ANNUAL SESSION PLANNING COMMITTEE!

General Arrangements Chair	Dr. Arnie Hill
Scientific Program Co-Chairs	Dr. John Kanyusik Dr. Fred Regennitter Dr. John Volz
Staff Program & Social Co-Chairs	Dr. Nellie Kim-Weroha Ms. Denise Schouweiler
Exhibits & Sponsorship Co-Chairs	Dr. Jackie Miller Dr. Kim Stafford
Registration Chair	Dr. Kevin Denis

ADA C.E.R.P.® | Continuing Education Recognition Program

The Midwestern Society of Orthodontists is a CERP Recognized Provider approved by the American Association of Orthodontists. ADA CERP is a service of the American Dental Association to assist dental professionals in identifying quality providers of continuing dental education. ADA CERP does not approve or endorse individual courses or instructors, nor does it imply acceptance of credit hours by board of dentistry. **The Midwestern Society of Orthodontists designates this activity for up to 13.5 continuing education credits.**

MIDWESTERN SOCIETY OF ORTHODONTISTS
ANNUAL SESSION
SCHEDULE-AT-A-GLANCE



ROCHESTER, MN
OCTOBER 9–10, 2015

THURSDAY, OCTOBER 8

10:00 a.m. – 11:45 a.m. MSO Executive Committee Meeting
Noon – 5:00 p.m. MSO Board Meeting and Lunch
3:00 p.m. – 5:00 p.m. Registration Open
3:00 p.m. – 5:00 p.m. Exhibitor Set-up

FRIDAY, OCTOBER 9

7:30 a.m. – 5:00 p.m. Registration Open
7:30 a.m. – 6:15 p.m. **Exhibits Open – Complimentary Food/Beverage:**
7:30 a.m. – 8:30 a.m. Continental Breakfast
9:45 a.m. – 10:15 a.m. Refreshment Break
Sponsored by American Orthodontics
11:45 a.m. – 12:45 p.m. Lunch
2:15 p.m. – 2:45 p.m. Refreshment Break
Sponsored by Dentsply GAC International
5:00 p.m. – 6:15 p.m. Reception
Sponsored by 3M Unitek

7:45 a.m. – 8:15 a.m. **ABO Seminar: Evidence and Standards of Care**
Pick-up continental breakfast in exhibit hall and join us.

DR./STAFF MAYO CLINIC LECTURERS

8:30 a.m. – 8:45 a.m. **MSO President's Welcome & Lisa Clarke Presentation**
Mayo Clinic Destination Medical Center
8:45 a.m. – 9:45 a.m. **Amit Sood, M.D., M.Sc.**
Stress Management and Resiliency
10:15 a.m. – 11:00 a.m. **R. Scott Wright, M.D.**
Heart Disease – Can We Prevent or Modify It? Heart Valve Replacement Without Heart Surgery: Is the Future Here?
11:00 a.m. – 11:45 a.m. **Richard Weinshilboum, M.D.**
Precision Medicine in Drug Use
12:45 p.m. – 1:30 p.m. **Nilay Shah, Ph.D.**
The Patient Revolution
1:30 p.m. – 2:15 p.m. **Ann E Kearns, M.D., Ph.D.**
Optimizing Bone Health Across the Life Span
2:45 p.m. – 3:30 p.m. **Cory Ingram, M.D.**
In Service of Others: Caring for Seriously Ill People and their Families
3:30 p.m. – 4:15 p.m. **Seema Kumar, M.D.**
Obesity in Our Children and the Long Term Effects on the Health of These Individuals
4:15 p.m. – 5:00 p.m. **Sandha Pruthi, M.D.**
Women at Increased Risk for Breast Cancer: An Individualized Approach – Strategies to Reduce Risk

11:45 a.m. – 12:15 p.m. **Mayo Orthodontic Dept. Tour 1**
12:15 p.m. – 12:45 p.m. **Mayo Orthodontic Dept. Tour 2**
12:15 p.m. – 12:45 p.m. Missouri Society of Orthodontists Meeting
6:30 p.m. – 8:30 p.m. **Rochester Art Center Reception**
Co-sponsored byOrmco and Minnesota Association of Orthodontists
All registrants are invited to walk to the nearby Rochester Art Center to congratulate MSO Shepard Award winner Dr. John Kanyusik and be entertained by Dr. John Crawford's jazz ensemble. Cash bar and complimentary hot gourmet hors d'oeuvres provided.

SATURDAY, OCTOBER 10

7:30 a.m. – 4:00 p.m. Registration Open
7:30 a.m. – 1:00 p.m. **Exhibits Open - Complimentary Food/Beverage:**
7:30 a.m. – 8:30 a.m. Continental Breakfast
Sponsored by MO Society of Orthodontists
10:00 a.m. – 10:30 a.m. Refreshment Break
Noon – 1:00 p.m. Lunch
1:00 p.m. – 3:00 p.m. Exhibitor Move-out
7:30 a.m. – 8:15 a.m. **MSO Annual Business Meeting**
Sponsored by Missouri Society of Orthodontists

STAFF LECTURE – AMY KIRSCH

Sponsored by American Orthodontics
8:30 a.m. – Noon *Overcoming the Top Five Challenges Facing Successful Orthodontic Practices Today*
1:00 p.m. – 4:00 p.m. *Improving Patient Relations in Going From Average to Great!*

DOCTOR UNIV. OF MINNESOTA LECTURERS

Sponsored by Ortho2
8:30 a.m. – Noon **Brent Larson, DDS, MS**
Success, Happiness and Why Treatment Planning Matters: An Interactive Experience
1:00 p.m. – 1:45 p.m. **Thorsten Gruenheid, DDS, Ph.D.**
Personalized Orthodontic Appliances: Where are We Headed and Why Do We Need Them?
1:45 p.m. – 2:30 p.m. **Gary C. Anderson, DDS, MS**
TMD in the Busy Orthodontic Practice
2:30 p.m. – 3:15 p.m. **Michael Rohrer, DDS, MS**
Oral Pathology for the Orthodontist
3:15 p.m. – 4:00 p.m. **Heather Whitney Sesma, Ph.D., LP**
Enhancing the Patient Experience for Patients with Autism Spectrum and Other Neurodevelopmental Disorders

Noon – 1:00 p.m. MSO Past Presidents Lunch
1:00 p.m. – 3:30 p.m. Optional Spouse/Guest Canvas and Chardonnay
Advance registration and separate fee required. Limited attendance.
1:00 p.m. – 3:00 p.m. Council on Orthodontic Education

Events and times are subject to change

Bold type indicates general events included in the Full lecture registration package.

Register at www.msortho.org

FRIDAY, OCTOBER 9

7:45 a.m. – 8:15 a.m.

ABO Seminar: Evidence and Standards of Care

In today's world with these significant differences in orthodontic treatment philosophies among orthodontists and non-orthodontists, can the outcome of care be objectively defined or determined as competent or negligent? If so, who will determine satisfaction? The patient, the courts, or the profession? Certainly the goal of the ABO is to obtain patient satisfaction through careful adherence to the standards of care that have emerged through generations of basic research and clinical trials and adopted by the ABO.

DR./STAFF MAYO CLINIC LECTURES

8:30 a.m. – 5:00 p.m.

Morning Moderator: Dr. John Foley

Afternoon Moderator: Dr. James Stork

8:30 a.m. – 8:45 a.m.

MSO Welcome



Dr. Deb Lien, MSO President and
Lisa Clarke, (pictured) Mayo Clinic Public Affairs & Interim Director of DMC Economic Development, Mayo Clinic Destination Medical Center

Vibrant. Thriving. Bold.

These words describe Destination Medical Center (DMC), a game-changing initiative to elevate Minnesota as a global health destination center. DMC is the largest economic development initiative in Minnesota and one of the largest in the country. It leverages the strengths of Mayo Clinic in Rochester and will offer patients a welcoming, comfortable and more seamless experience in which to receive the most advanced medical care in the world. DMC means Mayo Clinic will be in a better position to attract and retain the world's best health care professionals to serve its patients. DMC will support the economic growth of Minnesota and its biosciences sector. The public-private partnership that makes up DMC will provide the ideal patient, companion, visitor and citizen experience and make Rochester the world's premier community for health and wellness.

8:45 a.m. – 9:45 a.m.

Amit Sood, M.D., M.Sc. *



Dr. Sood is a professor of medicine at Mayo Clinic College of Medicine, director of research in the Complementary and Integrative Medicine Program, chair of the Mind-Body Medicine Initiative at Mayo Clinic in Rochester, Minnesota, and fellow of the American College of Physicians. His clinical work and research includes improving resiliency and decreasing stress and anxiety.

Stress Management and Resiliency

In this presentation, Dr. Sood, reveals how the mind's instinctive restlessness and shortsightedness generate

stress and anxiety and presents strategies for living a more peaceful life. The presentation is based on the highly popular stress management program offered at Mayo Clinic that Dr. Sood developed after two decades of work with tens of thousands of people.

Drawing on groundbreaking brain research, Dr. Sood helps you understand the brain's two modes and how an imbalance between them produces unwanted stress. Learn skills that will help you:

- Develop deep and sustained attention
- Practice gratitude, compassion and acceptance
- Live a meaningful life
- Cultivate nurturing relationships
- Achieve your highest potential.

10:15 a.m. – 11:00 a.m.

R. Scott Wright, M.D.



Dr. Wright received his B.A. and M.D. from the University of Kentucky and did his post-medical school training in Internal Medicine, Clinical Investigation and Fellowship in Cardiovascular diseases at the Mayo Clinic in Rochester, Minnesota.

He is a Professor of Medicine and a Consultant in Cardiology at the Mayo Clinic in Rochester, Minnesota. His work has focused on Acute Coronary Syndromes, Preventive Cardiology and Clinical Trial design and research.

Heart Disease – Can We Prevent or Modify It? Heart Valve Replacement Without Heart Surgery: Is the Future Here?

New evidence on the prevention of heart disease. Can we do heart valve surgery without an incision now?

11:00 a.m. – 11:45 a.m.

Richard Weinshilboum, M.D.



Dr. Weinshilboum received his B.A. and M.D. degrees from the University of Kansas, followed by residency training in Internal Medicine at the Massachusetts General Hospital. He began his affiliation with the Mayo Medical School and Mayo Clinic in Rochester, Minnesota, in 1972 where he is Professor of Molecular Pharmacology & Experimental Therapeutics and Internal Medicine as well as Professor in Cancer Genomics Research.

Precision Medicine in Drug Use

"Precision Medicine" involves the application of genomics and other "omic" sciences to make it possible to better individualize the diagnosis, treatment and – ultimately – the prevention of human disease. In his "State of the Union Address" this year, President Obama announced a national "Precision Medicine Initiative". This presentation will outline the background for that announcement and will describe efforts by the Mayo Clinic to integrate Precision Medicine into all aspects of the clinical practice.

12:45 p.m. – 1:30 p.m.

Nilay Shah, Ph.D.



Dr. Shah is a health services researcher in the division of Health Care Policy and Research at Mayo Clinic and Associate Professor of Health Services Research in the Mayo Clinic College of Medicine. He is the co-director of the Translating Comparative Effectiveness Research (TRACER) Unit, a part of the Mayo Center for Translational Science Activities (CTSA). He is also the Scientific Director for the Optum Labs Initiative in the Centers for Science of Health Care Delivery at Mayo Clinic. His research focus is on improving chronic care delivery, especially for patients with multiple chronic conditions.

The Patient Revolution

There is an increasing focus on engaging patients in discussions about their health and healthcare. This is a key premise of developing a patient-centered healthcare delivery system. In this session, examples of developing and testing tools to engage patients in conversations about various healthcare decisions will be discussed. These examples will include discussions related to treatment for chronic conditions, management of acute conditions as well as prevention strategies.

1:30 p.m. – 2:15 p.m.

Ann E. Kearns, M.D., Ph.D.



Dr. Kearns received her M.D. and Ph.D. from the University of Chicago. After completing residency at the University of Chicago, she was a fellow in endocrinology at Massachusetts General Hospital. She has been an Endocrinologist at

the Mayo Clinic in Rochester since 1998 and specializes in disorders of bone and mineral metabolism.

Optimizing Bone Health Across the Life Span

Peak bone mass is achieved in early adulthood and is the culmination of genetic, hormonal and environmental factors. Bone mass changes during adulthood are the consequence of aging and disease. This talk will review the changes in bone mass over the lifespan and the implications for fracture risk. Objectives:

- Understand the role of diet and exercise in optimizing peak bone mass.
- Recognize the decline in bone mass as a risk for fracture in aging.

2:45 p.m. – 3:30 p.m.

Dr. Cory Ingram, M.D.



Dr. Ingram completed Medical School at Leiden University in Holland, Residency at the University of Nebraska, Geriatric Fellowship at the Maine-Dartmouth Geriatrics Fellowship Program, and Palliative Medicine at Dartmouth Hitchcock Medical Center with Hospice Training at St. Christopher's Hospice in London, England.

Dr. Ingram is an active practicing palliative care consultant at Mayo Clinic and directs the Palliative Medicine program within Mayo Clinic's Enterprise Office of Population Health Management. His research throughout his training has culminated in his current focus to improve the care of seriously ill patients and their families with a specific focus in spiritual care and dignity therapy.

In Service of Others: Caring for Seriously Ill People and their Families

Objectives:

- Define four main roles inherent in providing whole person care
- Understand conversational approaches to whole person care
- Identify opportunities to improve individual and team care approaches.

3:30 p.m. – 4:15 p.m.

Seema Kumar, M.D.



Dr. Kumar is Associate Professor of Pediatrics in the Division of Pediatric Endocrinology and Metabolism at Mayo Clinic in Rochester, Minnesota. She received her M.D. from the All India Institute of Medical Sciences in New Delhi, India. She completed her residency in general pediatrics in 2000 and a fellowship in pediatric endocrinology and metabolism at Mayo Graduate School of Medicine in 2003. Her interests include the treatment of childhood obesity, type 2 diabetes and related cardiometabolic risk factors.

Obesity in Our Children and the Long Term Effects on the Health of These Individuals

The presentation will review the epidemiology of childhood obesity and factors that have contributed to the recent epidemic of childhood obesity. The presentation will include discussion on several morbidities associated with childhood obesity including type 2 diabetes mellitus, hypertension, hyperlipidemia, sleep apnea, orthopedic complications, and psycho-social sequelae. The increased predisposition of obese children, particularly adolescents, to become obese adults will be reviewed. In addition, in obese adolescents, increased risk of multiple comorbidities in adulthood, even if the obesity did not persist will be reviewed. Increased risk of several cancers with obesity will be discussed.

4:15 p.m. – 5:00 p.m.

Sandha Pruthi, M.D.



Dr. Pruthi received her M.D. from the University of Manitoba, Canada in 1990 and then completed a Family Medicine residency at the Mayo Clinic in 1994. She is an Associate Professor of Medicine. Dr. Pruthi is the co-

Women's Specialty Editor of MayoClinic.org, medical director for Patient Experience at Mayo Clinic Rochester and leads the Mayo Clinic women's health section of AskMayoExpert.

Women at Increased Risk for Breast Cancer: An Individualized Approach – Strategies to Reduce Risk

New research in lifestyle factors such as physical activity, alcohol use and weight management are associated with breast cancer risk and prognosis. Breast cancer risk calculation models and availability to genetic testing has improved the identification of breast cancer risk to guide a personalized approach in the management of high-risk women and those with hereditary predisposition. Surveillance with mammography in conjunction with breast magnetic resonance imaging (MRI) in very high-risk women or those with a breast cancer genetic mutation has been shown to be more sensitive in detection of breast cancer. Pharmacologic therapy also known as chemoprevention with tamoxifen, raloxifene (selective estrogen receptor modulators) and exemestane (aromatase inhibitors) has demonstrated a substantial reduction in breast cancer risk among women with high risk or precancerous breast lesions.

Learning Objectives:

- Discuss lifestyle modification options for preventing breast cancer
- Illustrate new breast imaging modalities for surveillance and early detection of breast cancer
- Use breast cancer risk calculation models to aid in the identification of breast cancer risk and tailor appropriate risk reducing strategies.

QUESTIONS

Call: 636-922-5551

Email: msortho@charter.net

PLAN TO ATTEND THESE FUTURE ANNUAL SESSIONS

2016 MSO • NOVEMBER 4-5 • CHICAGO, IL

2017 GLAO/MSO/SWSO • SEPTEMBER 15-17 • NEW ORLEANS, LA

SATURDAY, OCTOBER 10

STAFF LECTURE PROGRAM

8:30 a.m. – 4:00 p.m.

Moderator: Dr. Nellie Kim-Weroha

Sponsored by American Orthodontics

8:30 a.m. – Noon

Amy Kirsch



Amy Kirsch captivates dental teams with her insights and tactics on how to energize and improve their practices. As a nationally known dental practice management speaker and consultant, Amy provides the spark dental teams need to make positive changes that build teamwork, improve patient satisfaction, and increase revenue. She is currently a Clinical Assistant Professor at the University of Colorado School of Dental Medicine.

Overcoming the Top Five Challenges Facing Successful Orthodontic Practices Today

To achieve practice and professional success in today's tough economic orthodontic environment, you need to implement winning strategies and direction. To help you "sharpen the saw", join Amy Kirsch in this highly interactive workshop to uncover your practice's strengths and weaknesses. Learn how to overcome the challenges in your practice and be able to make positive changes for future growth and stability.

The top 5 challenges facing orthodontic practices include:

- Attracting and retaining quality and committed team members
- Improving team motivation and leadership skills
- The role of PPO's in dentistry
- Keeping the schedule full and productive
- Evaluating effective internal, external and advertising marketing techniques.

1:00 p.m. – 4:00 p.m.

Improving Patient Relations in Going from Average to Great!

Orthodontists and their team members have a unique opportunity to impact their patients in extraordinary ways. Through the implementation of key patient service techniques and exceptional communication skills, dental professionals can better exceed patients' expectations. Participants will learn:

- How to make patients feel special
- How to increase treatment acceptance
- Eight key customer service communication skills
- How to improve the new patient telephone call.

Join us in these fast paced workshops designed for your orthodontic team!

CONTACT THE COLLEGE OF DIPLOMATES OF THE ABO
at 888-217-2988 For additional information on their ABO
Prep Course to be held separately with this meeting.

DOCTOR UNIV. OF MINNESOTA LECTURES

8:30 a.m. – 4:00 p.m.

Moderator: Dr. Grant Collins

Sponsored by Ortho2

8:30 a.m. - Noon

Brent Larson, DDS, MS



Dr. Larson received his DDS degree from the University of Minnesota and completed his orthodontic training at the University of North Carolina. He has practiced orthodontics in the US Air Force, as a faculty member at Mayo

Clinic, and in private practice in Rochester, MN. He currently serves as Associate Professor and as Director of the Division of Orthodontics at the University of Minnesota. Dr. Larson is a past president of the Minnesota Association of Orthodontists, the Midwestern Society of Orthodontists and currently represents the MSO on the AAO Board of Trustees.

Success, Happiness and Why Treatment Planning Matters: An Interactive Experience

This presentation will engage the audience by use of an audience response system (ARS) to get real-time feedback from the participants. This technology allows each attendee to provide opinions or answers to questions that are immediately tabulated and displayed. The study club atmosphere created by this audience participation will generate feedback and discussion about treatment planning and related issues in contemporary practice. Topics will include challenging clinical cases, emerging technology, contemporary treatment planning, and what makes people happy!

After completion of this session the participant will be able to:

- Know how their opinions of new technology and treatment approaches compare with their peers
- Participate in group treatment planning discussions and know how their treatment approach may compare to other participants
- See how existing evidence can be used to help answer real clinical questions
- Discover if majority opinion generally reflects current knowledge
- Understand how you, your staff, and your patients can be happier by understanding what really makes them happy.

1:00 p.m. – 1:45 p.m.

Thorsten Gruenheid, DDS, Ph.D.



Dr. Gruenheid is an Assistant Professor in the Division of Orthodontics at the University of Minnesota. He is committed to excellence and is proud to contribute to education and scientific advancement in the field of orthodontics.

He is a published author, has served as a reviewer for several scientific journals, and has lectured nationally and internationally on a variety of topics in orthodontics and oral biology.

Personalized Orthodontic Appliances: Where are We Headed and Why Do We Need Them?

Advances in 3D imaging, digital model technology, CAD/CAM, and robotics have catalyzed the development of personalized appliance systems for orthodontic treatment. These systems allow clinicians to manipulate 3D models of patients' teeth to simulate orthodontic treatment. Machines then fabricate the appliances with the necessary geometry to complete treatment according to the virtual treatment plan. This session will:

- Review the available scientific literature with regard to treatment time, side effects, treatment outcomes, and effectiveness of personalized appliance systems
- Contemplate future directions of personalized appliance systems that may arise from further advances in technology and from combining imaging data with mathematical models
- Identify the advantages of personalized appliance systems over conventional appliance systems and discuss why their use has the potential to result in better patient care.

1:45 p.m. – 2:30 p.m.

Gary C. Anderson, DDS, MS



Dr. Anderson has been a member of the faculty of the School of Dentistry since 1984. He directed the undergraduate curriculum in occlusion for 25 years and is the Director of the Cleft and Craniofacial Program. His research interests

include investigation of clinical measurement of occlusion, occlusal wear, clinical diagnosis of temporomandibular disorders and related headaches, clinical trials in the treatment of temporomandibular disorders and clinical measurement of facial cleft and craniofacial anomalies.

TMD in the Busy Orthodontic Practice

The efficient and validated screening for TMD in an orthodontic practice will be presented, supported by recent research. This will be complemented with background in simple clinical tests to determine whether the jaw pain is related to the temporomandibular joints or the masticatory muscles. Recent efforts have also provided validated diagnostic criteria for jaw-related headaches. These criteria are being accepted in the medical community as well. Finally, the attendee will also be provided with background for management of TMD pain and dysfunction, which can develop during orthodontic treatment.

2:30 p.m. – 3:15 p.m.

Michael Rohrer, DDS, MS



Professor Michael Rohrer is Professor of Oral and Maxillofacial Pathology at the University of Minnesota, a Diplomate and past president of the American Board of Oral and Maxillofacial

Pathology, and a past president of the American Academy of Oral and Maxillofacial Pathology.

Oral Pathology for the Orthodontist

The majority of orthodontic patients are young people and adolescents who are susceptible to a range of head and neck and oral diseases that may be inconsequential or potentially very serious. Many of these diseases are more prominent in this age group and include reactive soft and hard tissue lesions, autoimmune diseases, hereditary conditions, bacterial and viral infections, and benign and malignant tumors. This class will be an overview of various oral diseases in this age group with suggested differential diagnoses and treatment recommendations.

3:15 p.m. – 4:00 p.m.

Heather Whitney Sesma, Ph.D., LP



Heather Sesma earned her Ph.D. from the University of Minnesota and completed her clinical training in neuropsychology at the Kennedy Krieger Institute at Johns Hopkins University School of Medicine. She was on the faculty at the

University of Minnesota Medical School and currently is a neuropsychologist for the Neuroscience Program at Children's Hospitals and Clinics of Minnesota, where she provides evaluation and treatment planning for individuals with autism spectrum disorders and other neurodevelopmental conditions.

Enhancing the Patient Experience for Patients with Autism Spectrum and Other Neurodevelopmental Disorders

This session will review features of autism spectrum disorder (ASD) and highlight the unique oral health care needs of individuals with ASD as well as the barriers that reduce their access to appropriate care. We will discuss behaviors that make clinic visits challenging and review strategies and available tools for welcoming families and improving patient comfort and cooperation with necessary procedures. We also will review behavior management strategies and resources for improving dental hygiene and adherence to home treatment recommendations.

SCHEDULE AN APPOINTMENT AT MAYO CLINIC'S EXECUTIVE HEALTH PROGRAM

As a special benefit to MSO members, you and/or your spouse have priority scheduling for appointments at Mayo Clinic's Executive Health Program (EHP) either while attending the 2015 MSO Annual Session OR at another time. Contact Mayo Clinic's EHP by August 31, 2015 at 507-284-2288 or executivehealth.mn@mayo.edu to take advantage of this amazing opportunity.

Visit www.mayoclinic.org/departments-centers/executive-health-program/minnesota

Register today and save!

Registration Type	By 9/1	9/2-9/30	10/1- Onsite
*MSO, AAO or WFO Member	350	375	400
*AAO Member Resident	125	150	150
*Staff and Spouses Attending	200	225	250
Spouse/Guest Fri. Receptions Only	35	50	50
Other (non-member)	700	725	750

*LECTURE REGISTRATION INCLUDES:

- 2 continental breakfasts in Exhibit Hall
- 2 box lunches in Exhibit Hall
- Fri. Exhibit reception drink ticket and snack
- Fri. Rochester Art Center admittance, hot gourmet hors d'oeuvres and music
- Mayo Orthodontic Dept. Tour
- Educational sessions up to 13.5 CEUs
- Table top exhibits

SPOUSE/GUEST INCLUDES:

- Fri. Exhibit reception drink ticket and snack
- Fri. Rochester Art Center admittance, hot gourmet hors d'oeuvres and music (Does not include lectures, CEUs or meals)

REFUND POLICY

Full refund, less a \$50 per person administrative fee will be issued for written requests received by September 1, 2015. A refund of 50% will be issued for cancellations received from September 2 through September 30, 2015. No refund after September 30, 2015. Please send refund request in writing to msortho@charter.net.

HOUSING INFORMATION

Reserve accommodations online at www.msortho.org or call 1-877-623-7775 for the Rochester Marriott; 1-800-533-1655 for the Kahler Grand Hotel and ask for the MSO rate.

MSO group discount rooms are based on first-come, first-served and reservations received after September 16 will be accepted on a space-available basis at the group rate.

The 2015 MSO Annual Session will be held at the Kahler Grand Hotel located in downtown Rochester, Minnesota next to the Mayo Clinic. As a historic hotel, it is suggested you request the updated/larger Executive Studio Room type which is primarily king beds.

Kahler Grand Hotel \$159 executive studio room s/d plus tax

Traditional corporate rooms with king or two queens are also available at a group rate across the street.

Rochester Marriott Mayo Clinic Area \$169 standard room s/d plus tax

Walk over to the nearby Rochester Art Center after the exhibit hall reception concludes to congratulate Dr. John Kanyusik as the 2015 MSO Earl E. Shepard Award winner. Enjoy complimentary hot gourmet hors d'oeuvres with a cash bar and "jazz up" the evening to the tunes of Dr. John and Sue Crawford...back by popular demand!

Co-sponsored by Ormco and Minnesota Association of Orthodontists

BONUS
Friday,
October 9
6:30-8:30 p.m.

Go to www.msortho.org
to register online or
download a registration
form and link to hotel
and shuttle

Enhance Your Stay In Rochester

Go to www.msortho.org for the direct link to the Rochester Convention and Visitors Bureau. Come early or stay later to experience these area highlights:

Optional MSO Spouse/Guest Canvas and Chardonnay [Book on your own] Saturday, October 10 • 1:00 p.m. – 3:30 p.m. • \$35 per person

Register online at <http://canvasandchardonnay.com>. Go to the calendar page. Then go to October 10 and click on the painting for that day. Scroll down to register for the class. Included in the cost are your canvas, paint and all supplies. A variety of beer, wine and non-alcoholic beverages are available for purchase. This class is open to the public and reservations are suggested in advance, as space is limited. It is held in walking distance of the hotel.

Rochester City & Mayo Historical Area – Hop on and off the public trolley tour to explore the early years of the world famous Mayo Clinic while experiencing the homes and lives of pioneering doctors...stop at Mayowood (home of the Mayo brothers) as a highlight! Tickets are currently \$15 and no reservations required. Call 507-421-0573.

Mississippi River Valley & Eagle Center – This area near Rochester is rated among the top scenic drives in America. Enjoy a fall drive and visit the National Eagle Center on your own or tour with the Rochester Trolley & Tour Co. Call 507-421-0573.

Shopping – If flying or driving through the Twin Cities, don't miss taking the staff team to Mall of America, or look into the shuttle. A free shuttle also leaves the hotel to the Apache Mall in Rochester seven days a week. Check with the hotel for information.

Area Wineries – Enjoy a scenic fall drive through the countryside and stop at area wineries such as nationally-known Four Daughters or Salem Glen.

Mayo Clinic Art Collection – Mayo Clinic has an extensive collection of art donated by Mayo benefactors. These many examples of fine artwork are displayed throughout Mayo Clinic.

Riverwalk – Enjoy the beautiful Fall foliage on the River Walk to nearby Rochester Museum of Fine Arts.

Travel to Rochester, Minnesota/Shuttle Service

If flying, you may fly directly to Rochester, Minnesota (RST). If rates/times are better, you may choose to fly to Minneapolis/St.Paul (MSP) and rent a car (the approximately 80 mile trip takes about one hour and 15 minutes) or utilize a direct shuttle service to/from Rochester. Direct shuttle service leaves every 45 minutes to/from Rochester to/from Minneapolis. MSO has arranged a discount with GO Rochester Direct. Go to www.msortho.org for the link to make your online advance reservation with GO Rochester Direct or call 800-280-9270 for additional assistance.



2015 MSO ANNUAL SESSION • ROCHESTER, MN
OCTOBER 9-10, 2015

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as of April 15, 2015



COME AND ENJOY THE ROCHESTER, MINNESOTA RIVER WALK!

CREDIT: JONATHAN HUNTER, WIKIPEDIA

IMPORTANT DATES

August 31

Schedule your
appointment with
Mayo Clinic's EHP

September 1

Last day to \$AVE with
the early-registration
rate

September 16

Deadline to reserve a
discounted room as space
available: Rochester
Marriott Mayo Clinic Area
or Kahler Grand Hotel

September 30

Last day to \$AVE before
late-registration rate
increase



Join MSO in Rochester and take a
"selfie" with the Mayo brothers.