



***Scientific Program and Agenda of the 5th International Society for Neurovascular Disease (ISNVD) Meeting, Naples, Italy:
March 27th – 29th, 2015:***

Fri, March 27:

- **Ultrasound course** “Echo-color Doppler of the Extra and Intracranial Vessels” (on payment of 150 euros):
 - o **Chairs: Dr. Paolo Zamboni & Dr. Adriana Visonà**

9:00 AM—9:20AM:	<i>Extracranial arteries—</i> Maria Amitrano, M.D AORN Moscati Avellino Executive Director of the Section of Angiology Avellino, Italy
9:20 AM—9:40AM:	<i>Vulnerable plaque—</i> Maria Fabrizia Giannoni, M.D. University of Rome La Sapienza, Department of General & Surgical Surgery Rome, Italy
9:40 AM—10:00AM:	<i>Intracranial arteries—</i> Maria Luisa Zedde, M.D. Neurology Unit; Department of Neuromotor Physiology ASMN – Reggio Emilia Italy
10:00 AM—10:20AM:	<i>Cerebrovascular Reactivity—</i> Mauro Silvestrini, M.D. University Hospital, United Hospitals of Ancona Dept. of Experimental and Clinical Medicine, Section of Neuroscience Clinics
10:20 AM—10:40AM:	Discussion
10:40 AM—11:00 AM:	Break
11:00 AM—11:20 AM:	<i>Extracranial Veins—</i>

Erica Menegatti, Ph.D.
Vascular Disease Center
University of Ferrara
Italy

11:20 AM—11:40 AM: ***Intracranial Veins—***
Marcello Mancini, M.D.
Institute of Biostructures and Bioimaging—CNR
Naples, Italy

11:40 AM—12:00 PM: ***Cerebral parenchymal ultrasonography—***
Sandro Sanguigni, M.D.
U.O. Neurology Hospital Madonna del
Soccorso San Benedetto del Tronto (AP)
Italy

12:00 PM—12:20 PM: **Discussion**

12:20 PM—2:00 PM: **Lunch**

2:00 PM—5:00 PM: **Practical Session**

- **Poster session:**
 - **Chairs: Dr. Enrico Tedeschi, Dr. Hector Ferral**
 - 5:00PM-6:30PM
- **Key-note lecture:**
 - **Chairs: Dr. Salvatore Scialfani – President Elect**
 - **6:30PM - 7:30PM – “The Heart-brain Axis: An Overlooked Cause of Brain Aging.” – Professor Mat Daemen,**
University of Amsterdam
Amsterdam, the Netherlands
- **Welcome Cocktail:**
 - 7:30PM-9:30PM – Centro Congressi Federico II –Partenope

Sat, March 28:

- **7:15 a.m. - ISNVD Board Member Meeting: venue tbd**
- **Opening of the Congress:**
 - 8AM-8:15AM – **ISNVD President’s address** – Ziv Haskal, M.D.;
University of Virginia, Charlottesville, VA USA

President of the Convention address –
Marco Salvatore, M.D.;
Professor of Diagnostic Imaging and Radiation
Therapy at the Medical School of the University
of Naples, Italy

- **Session 1: Hemodynamics of the brain**
 - **Chairs: Dr. Marcello Mancini & Dr. Mark Haacke**
 - 8:15AM-8:35AM – Cardiovascular risk factors and neurodegenerative disorders –
Robert Zivadinov, M.D., Ph.D.
State University of New York at Buffalo – Dept. of Neurology
Buffalo, New York, USA
 - 8:35AM-8:55AM – Ultrasound contrast imaging of brain hemodynamic and perfusion –
Marcello Mancini, M.D.
Institute of Biostructure and Bioimage – CNR
Naples, Italy
 - 8:55AM-9:15AM – TBI and hemodynamic changes in the brain
James Stone, M.D., Ph.D.
University of Virginia,
Department of Interventional Radiology
Charlottesville, Virginia, USA
 - 9:15AM-9:35AM – Imaging of the microvasculature -
Mark E. Haacke, Ph.D.
Wayne State University,
Dept. of Biomedical Engineering
Detroit, MI USA
 - 9:35AM-9:55AM – Imaging of Brain Microvascular Disorders: lessons from the CADASIL model.
Hugues Chabriat, M.D., Ph.D.
Head, Department of Neurology
University Hospital Lariboisiere
Paris, France
 - 9:55AM-10:05AM – Selected platform 1
 - 10:05AM-10:15AM – Selected platform 2
 - 10:15-10:30AM – Break

- **Session 2: Quantitative flow and computational fluid modeling**
 - **Chairs: Dr. Clive Beggs & Dr. Michael Dake**
 - 10:30AM-10:50AM – 2D and 3D analysis of vessels in the retina and the brain –
Bart Romeny, Ph.D.
Eindhoven University of Technology
Eindhoven Area, Netherlands
Northeastern University, Shenyang, China
 - 10:50AM-11:10AM – A novel sonographic method for reproducible jugular vein pulse wave assessment –
Paolo Zamboni, M.D.
University of Ferrara
Ferrara, Italy
 - 11:10AM-11:30AM – Blood storage within the intracranial space and its impact on cerebrospinal fluid dynamics–
Clive Beggs, Ph.D.
University of Bradford
West Yorkshire, United Kingdom
 - 11:30AM-11:50AM – Update in computational fluid modeling of the brain –
Mauro Ursino, Ph.D.
University of Bologna
Bologna, Italy
 - 11:50AM-12:10PM – Fluid dynamic influences on cerebrovascular endothelial activation responses –
Steve Alexander, Ph.D.
Dept. of Molecular and Cellular Physiology
Louisiana State University
Shreveport, Louisiana, USA
 - 12:10PM-12:20PM – Selected platform 3
 - 12:20PM-12:30PM – Selected platform 4
 - 12:30-1:30PM – Lunch and ISNVD Membership meeting
- **Session 3: Venous dysfunction and treatment strategies**
 - **Chairs: Dr. Ziv Haskal & Dr. Paolo Zamboni**

- 1:30PM-1:50PM – Venous abnormalities in Meniere disease–
Pietro Maria Bavera, M.D.
University of Milan; Dept. of Vascular Surgery
Milan, Italy
- 1:50PM-2:10PM – Advances in idiopathic intracranial
hypertension pathogenesis: focus on sinus venous stenosis -
Roberto De Simone, M.D.
University Federico II of Naples, Headache Centre
Naples, Italy
- 2:10PM-2:30PM – Advances in treatment strategies of
extracranial venous disease –
Hector Ferral, M.D.
Northshore University Healthcare System
Chicago, Illinois, USA
- 2:30PM-2:50PM – Venous dysfunction and neurodegenerative
diseases –
Chih Ping Chung, M.D., Ph.D.
National Yang Ming University
Taipei Veterans General Hospital, Taiwan
- 2:50PM-3:10PM – Clinical applications of venous treatment–
Michael Dake, M.D.
Stanford University
Stanford, California, USA
- 3:10PM-3:20PM – Selected platform 5
- 3:20PM-3:30PM – Selected platform 6
- 3:30PM-4:00PM – Break

- **Session 4: Endothelial function, glymphatic system and new drug development**

- **Chairs: Dr. Robert Zivadinov & Dr. Steve Alexander**

- 4:00PM-4:20PM – Endothelial dysfunction in
neurodegenerative disease –
Steve Alexander, Ph.D.
Dept. of Molecular and Cellular Physiology,
Louisiana State University,

Shreveport, Louisiana, USA

- 4:20PM-4:40PM - Is there a role for mast cells dependent synthesis of Endothelin 1 in neurodegenerative diseases? – Pedro D'Orleans-Juste, Ph.D.
University of Sherbrooke,
Department of Pharmacology
Quebec, Canada
- 4:40PM-5:00PM – Endothelin-1 as a potential target for chronic brain hypoperfusion – Jacques De Keyser, Ph.D.
University of Brussels,
Department of Neurology
Brussels, Belgium
- 5:00PM-5:20PM – Structural changes in extra-CNS blood vessels in neurodegeneration – Marie-Luce Bochaton-Piallat, Ph.D.
University of Geneva,
Dept. of Pathology and Immunology
Geneva, Switzerland
- 5:20PM-5:30PM – Selected platform 7
- 5:30PM-5:40PM – Selected platform 8
- 5:40PM-6:00PM – Final discussion

- **ISNVD Evening:**

- 7:00 PM – Leave on buses to attend GALA dinner at separate venue - Complesso Monumentale San Lorenzo Maggiore Sala Sisto V.

- **GALA program and dinner**

- 7:45 PM – Young Investigator Award @ dinner venue
 - 8:00PM-10:00PM – Dinner/Silent Auction @ Complesso Monumentale San Lorenzo Maggiore Sala Sisto V

Sun, March 29:

- **MRI course – Advances in Cardiovascular MRI**

- (on payment of 50 euros):
 - o **Chairs: Dr. Marco Salvatore & Dr. Mark Haacke**

- 9:00AM – 9:30 AM:** ***Introduction to MRI Angiography—***
Giuseppe Palma, Ph.D.
Institute of Biostructures and Bioimaging—CNR
Naples, Italy
- 9:30AM-10:00AM:** ***Introduction to Cardiac Imaging—***
Massimo Imbriaco, M.D.
University of Naples—Federico II
Department of Advanced Biomedical Sciences
Naples, Italy
- 10:00AM-10:30AM:** Break
- 10:30AM – 11:00 AM:** ***Introduction to neurovascular imaging—***
Enrico Tedeschi, M.D.
University of Naples—Federico II
Department of Advanced Biomedical Sciences
Naples, Italy
- 11:00AM-11:30AM:** ***Introduction to multimodal imaging of
brain vascular malformations—***
Francesco Briganti, M.D.
University of Naples—Federico II
Department of Advanced Biomedical Sciences
Naples, Italy
- 11:30AM-12:00PM:** ***Advances in Susceptibility Weighted
Imaging of the Brain; From Fetus to Dementia—***
Mark E. Haacke, Ph.D.
Wayne State University
Detroit, MI USA
- 12:00 PM -12:30PM:** Final discussion – All Speakers

- **End of 2015 ISNVD Annual Meeting: 12:30 p.m.**