# ISNVD 2015 Annual Meeting

**Naples, Italy**

**International Society for Neurovascular Disease**

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<td>Full-day pre-convention Ultrasound Course:</td>
<td>Session 1: Hemodynamics of the brain</td>
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<td>“Echo-color Doppler of Extra and Intracranial Vessels”</td>
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## Registration Information:

For ISNVD Convention:
- **Web site:** [www.isnvd.org](http://www.isnvd.org)
- **Email:** info@isnvd.org
- **Phone:** 1-716-859-3579

For Satellite Courses:
- **MPCongressi**
  - **Website:** [www.mpcongressi.it](http://www.mpcongressi.it)
  - **Email:** mpcongressi@gmail.com
  - **Phone:** +39 081 575 3432
Fri, March 27th:

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

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<th>Time</th>
<th>Topic</th>
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<td>9:00 AM—9:20 AM:</td>
<td>Extracranial arteries— Maria Amitrano, M.D AORN Moscati Avellino Executive Director of the Section of Angiology Avellino, Italy</td>
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<td>9:20 AM—9:40 AM:</td>
<td>Vulnerable plaque— Maria Fabrizia Giannoni, M.D. University of Rome La Sapienza, Department of General &amp; Surgical Surgery Rome, Italy</td>
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<td>9:40 AM—10:00 AM:</td>
<td>Intracranial arteries— Maria Luisa Zedde, M.D. Neurology Unit; Department of Neuromotor Physiology ASMN—Reggio Emilia Italy</td>
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<td>10:00 AM—10:20 AM:</td>
<td>Cerebrovascular Reactivity— Mauro Silvestrini, M.D. University Hospital, United Hospitals of Ancona Dept. of Experimental and Clinical Medicine, Section of Neuroscience Clinics</td>
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<td>10:20 AM—10:40 AM:</td>
<td>Discussion</td>
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<td>10:40 AM—11:00 AM:</td>
<td>Break</td>
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<td>11:00 AM—11:20 AM:</td>
<td>Extracranial Veins— Erica Menegatti, Ph.D. Vascular Disease Center University of Ferrara Italy</td>
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<td>11:20 AM—11:40 AM:</td>
<td>Intracranial Veins— Marcello Mancini, M.D. Institute of Biostructures and Bioimaging—CNR Naples, Italy</td>
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<td>11:40 AM—12:00 PM:</td>
<td>Cerebral parenchymal ultrasonography— Sandro Sanguigni, M.D. U.O. Neurology Hospital Madonna del Soccorso San Benedetto del Tronto (AP) Italy</td>
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<td>12:00 PM—12:20 PM:</td>
<td>Discussion</td>
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<td>12:20 PM—2:00 PM:</td>
<td>Lunch</td>
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<td>2:00 PM—5:00 PM:</td>
<td>Practical Session</td>
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**ISNVD 2015 Highlights**

The ISNVD’s 5th Annual Meeting will be held March 27th – 29th, 2015 in Naples, Italy.

The Congress venue will be the “Congress Centre Federico II - Parthenope” and is located on the seashore of Naples in the central historic area, panoramic and close to the best hotels in town.

The ISNVD has created an exciting program that will attract Researchers and Clinicians from all over the world. The ISNVD convention program includes four scientific sessions on selected topics and two additional courses are offered which will include Ultrasound and MRI. All of the Speakers were selected carefully and represent key opinion leaders in their fields. The Keynote Speaker will be Dr. Mat Daemen from The University of Amsterdam. He will speak on “The Heart-brain Axis: An Overlooked Cause of Brain Aging.”

Beautiful, historic, Naples, Italy

**Call for Abstracts**: [www.isnvd.org](http://www.isnvd.org)

Abstract submission due date is **November 15th, 2015**.
Sunday, March 29th:

**MRI course (on payment of 50 euros):**
“Advances in Cardiovascular MRI”
*Chairs: Dr. Marco Salvatore & Dr. Mark E. 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**
Raffaele 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**

**Fri, March 27th (cont’d)**

- **Poster session:**
  Chairs: Dr. Enrico Tedeschi, Dr. Hector Ferral

- **Key-note lecture:**
  **6:30 PM—7:30 PM:**
  “The Heart-brain Axis: An Overlooked Cause of Brain Aging,”
  Professor Mat Daemen,
  University of Amsterdam, The Netherlands

- **Welcome Reception:**
  7:30 PM—9:30 PM:
  Centro Congressi Federico II—Partenope

Saturday, March 28th

8:00 AM—Opening of the Congress:
Opening Remarks by Dr. Ziv Haskal, ISNVD President &
Dr. Marco Salvatore, President of the Convention Address

**Session 1: Hemodynamics of the brain**
*Chairs: Dr. Marcello Mancini & Dr. Mark E. Haacke*

8:15AM-8:35AM –  **Cardiovascular risk factors and neurodegenerative disorders**—
Robert Zivadinov, M.D., Ph.D.
State University of New York at Buffalo –
Department 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,
Department 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
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

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

12:10 PM—12:20 PM: Selected Platform 1
12:20 PM—12:30 PM: Selected Platform 2
12:30 PM—1:30 PM: 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

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 3
5:30PM-5:40PM: Selected Platform 4
5:40PM-6:00PM: Final Discussion