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**Annual Meeting**

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Paolo Zamboni

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Erica Menegatti



**ISNVD ANNUAL MEETING**

**Ferrara, Italy. May 30-31, 2019**

**PRELIMINARY PROGRAM**

**Lectures**

- Non-contrast Enhanced MRI in Stroke, M. Wang, Zheng-Zhou
- A brief history of ISNVD. M. Haacke, Detroit
- Cerebral lymphatic drainage and the potential links with neurodegeneration. A. Louveau, Boston
- Does the CSF Circulate? M. Klarica, Zagreb

**Debates in carotid surgery**

- Asymptomatic patients: surgery, antiplatelets, or angioplasty and stenting?
- The concept of vulnerable plaque, medical vs surgical point of view
- Carotid endarterectomy versus carotid stenting-a never-ending story
- Brain hyperperfusion: extent of the problem following CEA and CAS
- CAS can be performed soon after neurologic symptoms?
- Carotid stenosis treatment: variations in institutional and international practice

**Cerebral protection and perfusion monitoring in vascular and endovascular surgery**

- Monitoring the intracerebral flow during CEA under general anesthesia
- Cerebral protection during carotid procedures
- Better embolic protection may reinvigorate CAS?

**Organizing Secretariat:**

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- Local anaesthesia is the best method to avoid complications during carotid cross clamping
- Cerebral protection in aortic arch surgery
- Brain injury following CAS
- Access for CAS to reduce cerebral embolization

### **New challenges in stroke**

- Techniques in urgent carotid surgery
- Timing and results of CEA in acute setting
- How late is too late to recanalize carotid and intracranial thrombosis after stroke?

### **Lunch Session “Indication for CCSVI treatment”**

- Symptoms of patients with jugular venous outflow disturbances
- CCSVI Prevalence and Jugular Percutaneous Transluminal Angioplasty (PTA) indication in CCSVI-associated Menière's disease
- Effects on the MRI biomarker of the draining flow in multiple sclerosis
- Reasons for and solutions to failures of endovascular treatment of CCSVI

### **Headache and the cerebral venous system**

- The relationship of venous intracranial hypertension with migraine
- Headache prevalence in patients with jugular outflow disturbances
- Headache sustained relief following extracranial venous angioplasty
- Headache prevalence in CCSVI associated to multiple sclerosis

### **Vascular Risk Factors in Neuroinflammation-Neurodegeneration**

- Epidemiology of cardiovascular comorbidities in aging of multiple sclerosis
- An animal model of cerebral venous insufficiency: implication for neuroinflammation
- Perfusion abnormalities and cardiovascular comorbidities in neurological disorders
- Concurrent assessment of perfusion and functional connectivity in Parkinson's disease
- Coagulation circulating proteins in Multiple Sclerosis
- QSM/SWI technique to detect microbleedings in neurodegenerative diseases

### **Age Related Vascular Changes**

- Risk Factors for Alzheimer and Dementia
- Age Related Vascular Changes and Carotids
- Is jugular venous pulse involved in aging?
- The effect of sleep quality on a MCI susceptible brain regions in cognitively intact elderly subjects
- New perspectives on age-related white matter hyperintensities in VCID research

### **The Jugular Venous Pulse: the key of heart-brain axis?**

- State of the art on Jugular Venous Pulse
- The Ultrasonographic assessment of the Jugular Venous Pulse
- A model for predicting central venous pressure from changes in IJV cross-sectional area
- Neck vessels pulsatility and dementia
- Pulse Pressure Waves and the Function of the CNS



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## **Plenary Session with Best Abstracts Presentation**

Moderators: P. Veroux, Catania; R Zivadinov, Buffalo; Y. Ge, New York

### **Cerebral fluids, blood, and barriers: are the extracranial veins an overlooked actor?**

- A multiscale model for the simulation of cerebral and extracerebral blood flows and pressures in humans
- Investigating the separate effects of venous outflow and breathing on the CSF flow dynamics using two types of phase contrast sequences
- The role of CSF flow obstruction in Chiari syndrome, syringomyelia and neurodegenerative disease
- The Jedi Syndrome
- MR imaging of perivascular spaces in veno-obstructive diseases

### **Inner Ear Diseases and Brain Circulation**

- What is Known and what is Unknown in Inner Ear Diseases: the role of neuroinflammation
- Genetic architecture of Menière's disease
- Computational Inner Ear Circulation
- Imaging and classification of hydropic ear disease
- Cerebral Flow Discrepancies in Sudden Sensorineural Hearing Loss
- Sigmoid and transverse sinus disorders related to vertigo, dizziness and headache
- MRI Imaging of Brain and Neck Veins in Patients with Menière Disease and CCSVI
- Results of jugular PTA on symptoms of Menière's Disease with concomitant CCSVI

### **Patients Day in the afternoon of May 31, 2019**

#### **Satellite Courses**

#### **Strategically Acquired Gradient Echo (STAGE) imaging for brain tissue quantitative mapping and vessel enhancement**

Educational Coordinators: Marcella Lagana and Mark Haacke

#### **The Story of MRI: MRI's Profound Current Prospects of Visualizing and Quantifying Cerebrospinal Fluid (CSF) Flow and the Role of CSF Flow Obstruction in the Genesis of the Symptomatology of Chiari, Syringomyelia and the Neurodegenerative Diseases**

Educational Coordinator: Raymond V. Damadian

#### **Echo-guided foam: the Tessari' method**

Educational Coordinators: Lorenzo Tessari and Mirko Tessari

#### **Social Program**

**Opening Cerimony, Sala Estense.**

**Game of flag-wavers in the Municipio square**

**Social Dinner with the Chefs Challenge**

**Guided Tours of Ferrara Downtown**



## ISNVD ANNUAL MEETING

FERRARA, ITALY, MAY 30-31, 2019

## FACULTY

- Acciarri Pierfilippo, Ferrara
- Agarwal Nivedita, Utah
- Alperin Noam, Miami
- Anile Carmelo, Rome
- Bavera Pietro Maria, Milan
- Beggs Clive B, Leeds
- Bernardi Francesco, Ferrara
- Bruno Aldo, Benevento
- Cao Piergiorgio, Rome
- Castelli Patrizio, Varese
- Chiesa Roberto, Milan
- Chiesa Scott, London
- De Bonis Pasquale, Ferrara
- De Donato Gianmarco, Siena
- Faggioli Gianluca, Bologna
- Freyrie Antonio, Parma
- Frigatti Paolo, Udine
- Gadda Giacomo, Ferrara
- Gasbarro Vincenzo, Ferrara
- Ge Yulin, New York
- Giaquinta Alessia, Catania
- Giugliano Vincenzo, Benevento
- Gossetti Bruno, Rome
- Grego Franco, Padua
- Guerkov Robert, Munich
- Haacke Mark, Detroit
- Juurlink Bernard, Mill Bay
- Klarica Marijan, Zagreb
- Laganà Marcella, Milan
- Lopez Escamez Jose A, Granada
- Louveau Antoine, Boston
- Malagoni Anna Maria, Ferrara
- Mancini Marcello, Naples
- Manfredini Fabio, Ferrara
- Mangialardi Nicola, Rome
- Melissano Germano, Milan
- Menegatti Erica, Ferrara
- Petrov Ivo, Sofia
- Pulli Raffaele, Bari
- Qi Yang, Beijing
- Rapezzi Claudio, Bologna
- Reid B. Donald, Edimburgh



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- Ronchey Sonia, Rome
- Salvi Fabrizio, Bologna
- Schelling Franz, Feldkirch
- Sclafani Salvatore, New York
- Setacci Carlo, Siena
- Siddiqui Adnan, Buffalo
- Spinelli Francesco, Rome
- Taurino Maurizio, Rome
- Tessari Lorenzo, Verona
- Tessari Mirko, Ferrara
- Toro Eleuterio, Trento
- Veroux Pierfrancesco, Catania
- Volpato Stefano, Ferrara
- Wang Meiyun, Zheng-Zhou
- Zamboni Paolo, Ferrara
- Zivadinov Robert, Buffalo