

ISNVD WEBINAR MEETING

COVID-19 and Neurovascular Complications



ISNVD WEBINAR SERIES – June 24 2020

The International Society for Neurovascular Diseases (ISNVD) invites you to attend a Webinar meeting on "Covid-19 and Neurovascular Complications" via Zoom. The ISNVD is dedicated to the dissemination and review of new concepts in etiopathogenesis, novel diagnostics, and therapeutic strategies in various neurovascular diseases.

About this webinar meeting:

- The most common clinical manifestations of COVID-19 coronavirus are nonspecific acute respiratory signs and symptoms. As case numbers continue to rise worldwide, studies have reported that a large number of COVID-19 patients had developed neurological complications in particular in patients with vascular comorbidities.
- This webinar meeting will review recent emerging evidence of potential brain damage due to COVID-19 and its implications for diagnosis and long-term effects of this evolving public health crisis.

DATE: June 24 2020

Meeting Start Time

USA: 9am EST

Europe: 3pm CEST

Asia: 9pm Beijing time

Join Zoom Webinar Meeting

https://zoom.us/webinar/register/WN_lq7mypEIQBWFFhqHhPsV1w

Guidelines for Joining Zoom Webinar

- After you click the link above, you will be directed to a page that requests your name and institution before you access the webinar meeting link.
- After your registration, you will be able to access the direct Webinar meeting link.
- Please join the webinar 30 minutes early to minimize last minute technical issues.
- Ensure that you have downloaded the ZOOM and your device meets the system requirements for running this application.
- For participants, the audio and video will be turned off during the meeting, you are encouraged to ask questions in the Q/A session and chat room.
- If you have any questions, please contact Mrs. Kelly Denz kdenz@isnvd.org or Chenyang Li Chenyang.Li@nyulangone.org

MEETING SCHEDULE AND SPEAKERS

9:00-9:10am: Welcome and Introduction (Yulin Ge, Meiyun Wang)

9:10-9:30am: Clinical and Research Experience in Covid-19

- **Meiyun Wang, MD, PhD**, Professor and Chair of
Department of Radiology of Henan Provincial People's
Hospital, Zhengzhou, China
- Moderator: Robert Zivadinov, MD, PhD

9:30-9:50am: COVID-19 Deaths: are we sure it is pneumonia? Findings from autopsies

- **Cristoforo Pomara, MD**, Professor of Forensic Medicine, Department of
Medical, Surgical Sciences and Advanced Technologies,
University of Catania, Catania, Italy
- Moderator: Paolo Zamboni, MD

9:50-10:10am: Vascular comorbidities and neurological complications in patients with Covid-19

- **Yulin Ge, MD**, Professor of Radiology, NYU Grossman
School of Medicine, New York, NY, USA, President, ISNVD
- Moderator: Robert Zivadinov, MD, PhD

10:10-10:30am: A comprehensive imaging protocol for neurological sequelae in Covid-19 patients

- **E Mark Haacke, PhD**, Professor of Radiology, Wayne
State University, Vice-Chairman, Biomedical Engineering in
the School of Medicine. Detroit, Michigan, USA
- Moderator: Paolo Zamboni, MD

10:30-10:50am: Q&A and Panel Discussion

- **Panel Discussants:** Meiyun Wang, Cristoforo Pomara, Yulin Ge
E Mark Haacke, Paolo Zamboni, Robert
Zivadinov, Alireza Radmanesh, Nivedita Agarwal,
Eleuterio Toro,
- Moderators: E Mark Haacke, Nivedita Agarwal

SPEAKER INFORMATION

Conference Chair

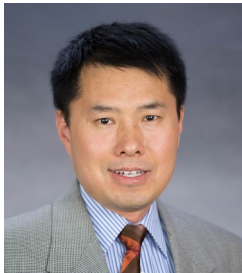


Meiyun Wang, MD, PhD, Neuroradiologist, Professor and Chair, the Medical Imaging Center of Henan Province; Department of Medical Imaging, Henan Provincial People's Hospital. Dr. Wang is the President-elect of International Society for Neurovascular Disease (ISNVD), a Board of Trustee (BoT) member of the International Society for Magnetic Resonance in Medicine (ISMRM) and "ESMRMB/ISMRM certified teacher in clinical MRI". She is also the President-elect of Overseas Chinese Society for Magnetic Resonance in Medicine (OCSMRM),

Annual Meeting Program Committee (AMPC) member and Vice-Chair of the Chinese Chapter of the ISMRM, Secretary and Chair in 2021 of the Psychiatric MR Spectroscopy & Imaging Study Group in ISMRM, Vice-Chair of the Committee on Women in Chinese Society of Biomedical Engineering (CSBME), Committee member of Chinese Society of Radiology (CSR) and Vice-President of Chinese Society for Magnetic Resonance in Medicine (OCSMRM). Dr. Wang's research has focused on exploring the value of advanced MRI methods to improve diagnosis and therapeutic evaluation of diseases of the central nervous system such as gliomas, stroke, and Parkinson's disease. She has led a multidisciplinary team to successfully complete the first MRI-guided Focused Ultrasound treatment on Parkinson's disease in Mainland China. Dr. Wang has published over 100 papers on journals such as JAMA, Radiology, Molecular Psychiatry, Cerebral Cortex, and IEEE Transactions on Biomedical Engineering, given over 300 invited lectures at international and national scientific and educational meetings. She is also the principal investigator on international cooperative grants from the National Natural Science Foundation of China (NSFC) and the Ministry of Science and Technology of China. Owing to her contributions to the field, she was awarded the 2018 Outstanding Contribution Award by the OCSMRM and the Gold Medal of the Chinese Society of Radiology.

-- Dr. Wang will give talk on "***Clinical and Research Experience in COVID-19***".

Conference Chair



Yulin Ge, MD, Professor of Radiology, New York University (NYU) Grossman School of Medicine. President of International Society for Neurovascular Diseases (ISNVD). Dr. Ge has a broad background in clinical neuroimaging research, with specific expertise in the development of advanced MRI techniques in neurological disease applications. One of his major research interests has been using in vivo quantitative MRI techniques to elucidate the underlying pathologies of multiple sclerosis, traumatic brain injury and age-related diseases including dementia in particular. His studies using structural, perfusion, and metabolic MRI at

either 3T or ultra-high-field 7T MR have shown great potential in detecting subtle pathophysiological changes. Dr. Ge has published over 100 journal articles and 7 book chapters in the field of MRI research, with h-index of 44 (over 8000 citations). Dr. Ge is a recipient of the Cornelius Dyke Award from American Society of Neuroradiology (2007). He is also the 2019 Distinguished Investigator from Academy of Radiology and Biomedical Research, whose mission is to acknowledge and celebrate high levels of achievement in the field of academic imaging research. Dr. Ge has received continuous grants awards from the National Institutes of Health (NIH), National Multiple Sclerosis Society (NMSS), and Alzheimer's Association. In recent years, Dr. Ge's research interest has been on the role of microvascular changes in neurodegenerative diseases.

-- Dr. Ge will give a talk on "***Vascular comorbidities and neurological complications in patients with COVID-19***".



Cristoforo Pomara, MD, Professor of Forensic Medicine, Department of Medical, Surgical Sciences and Advanced Technologies, University of Catania, Catania, Italy. His research activity is focused on forensic pathology and histopathological science, autoptic techniques, forensic toxicology, forensic genetics, medical professional liability, clinical governance and risk management, bioethics, compensation for personal injury, vaccination issues and professional diseases. Professor Pomara has published over 116 articles. He is Italian Deputy Team Leader of the European Multicenter Trial on the use of Post Mortem Angio-CT (TWGPAM) TWGPAM (Technical Working Group Post Mortem Angiography Methods). Through this research, he developed a new technique for performing an Angio CT on cadavers, devising a new access route recently published in the Journal of Medical Radiology, also mentioned in an international atlas published by the prestigious publishing company Springer. -- Professor Pomara will give a talk on ***“COVID-19 Deaths: are we sure it is pneumonia? Findings from autopsies”***



E. Mark Haacke, Ph.D., Professor of Radiology, Wayne State University, Vice-Chairman, Biomedical Engineering in the School of Medicine, Detroit, Michigan, USA. Prof. Haacke is a pioneer in the development of new MRI technology and image reconstruction including MR angiographic (MRA) imaging, fast imaging cardiovascular imaging, susceptibility weighted imaging (SWI), quantitative susceptibility mapping (QSM) and super-resolution reconstruction. He has published more than 350 papers, has more than 35,000 citations of his work and an h-index of 90. His focus has been on developing new methods for studying neurodegenerative and neurovascular disease. He is past President and founding President of the International Society for Magnetic Resonance in Medicine (ISMRM) and of the Society for Magnetic Resonance in Imaging (SMRI). He has been awarded the Gold Medal of the ISNVD and the Gold and Silver Medals of the ISMRM. His paper on susceptibility weighted imaging was awarded one of the top 30 papers in the last 30 years published in the journal Magnetic Resonance in Medicine (MRM). Prof. Haacke has helped to establish a standardized protocol for imaging the midbrain and substantia nigra for this project and in the past has developed standardized protocols for multiple sclerosis and TBI. His group is dedicated to imaging iron and improving quantitative susceptibility mapping methods. -- Professor Haacke will give a talk on ***“A comprehensive imaging protocol for neurological sequelae in COVID-19 patients”***.

Meeting Moderators

Robert Zivadinov, MD, PhD. Professor of Neurology; Director, Translational Imaging Center at Clinical Translational Research Center; Director, Buffalo Neuroimaging Analysis Center

Paolo Zamboni, MD. Professor, Chair of Vascular Surgery and Program Director of the School of Vascular Surgery, University of Ferrara, Italy.

Panelists:

Meiyun Wang, MD, PhD, Professor and Chair of the Medical Imaging Center of Henan Province and Chair of the Department of Radiology of Henan Provincial People's Hospital.

Yulin Ge, MD, Professor of Radiology, New York University (NYU) Grossman School of Medicine. President of International Society for Neurovascular Diseases (ISNVD).

Cristoforo Pomara, MD, Professor of Forensic Medicine. Department of Medical, Surgical Sciences and Advanced Technologies, University of Catania. Catania, Italy

E. Mark Haacke, Ph.D., Professor of Radiology, Wayne State University, Vice-Chairman, Biomedical Engineering in the School of Medicine.

Paolo Zamboni, MD. Professor, Chair of Vascular Surgery and Program Director of the School of Vascular Surgery, University of Ferrara, Italy.

Robert Zivadinov, MD, PhD. Professor of Neurology; Director, Translational Imaging Center at Clinical Translational Research Center; Director, Buffalo Neuroimaging Analysis Center

Nivedita Agarwal, MD. Double-boarded neurologist and neuroradiologist working in the Hospital of Rovereto, Azienda Provinciale per i Servizi Sanitari in Italy

Eleuterio F. Toro, PhD. Emeritus Professor of Mathematics at the University of Trento, Italy and formerly a full Professor of Numerical Analysis at the same University.

ISNVD Office Administrator: Kelly Denz (email: kdenz@isnvd.org)