

Integrated Neuroscience Session: Stroke Imaging and Emerging Therapies

THURSDAY, APRIL 17 / 2:00 P.M.–6:00 P.M.

Coordinators: Walter J. Koroshetz, MD, FAAN, and Cenk Ayata, MD

PLATFORM SESSION / 2:00 P.M.–3:30 P.M. / ROOM 187

- 2:00 P.M. IN5-1.001** Intracranial Arterial Wall Imaging Using High Resolution 3-Tesla Contrast-Enhanced MRI *Richard Swartz, Sandeep S. Bhuta, Richard I. Farb, Ronit Agid, Robert A. Willinksy, Karel TerBrugge, Jagdish Butany, Bruce A. Wasserman, Dave M. Johnstone, Frank L. Silver, David J. Mikulis*
- 2:15 P.M. IN5-1.002** Outcome of Patients with 50-99% Intracranial Stenosis and TIA or Stroke on Antithrombotic Therapy Treated Medically vs. Stenting *Amy L. Jarvis, Marc Chimowitz, Michael J. Lynn, Michael J. Alexander, Richard Klucznik, John Chaloupka, Helmi Lutsep, Stanley Barnwell, Osama O. Zaidat, Michael Mawad, Bethany Lane, NIH Multicenter Wingspan Intracranial Stent Study Group*
- 2:30 P.M. IN5-1.003** Rates and Predictors of Angiographic Restenosis Following Intracranial Angioplasty or Stent Placement. A Multicenter Study *Muhammad Zeeshan Memon, Farhan Siddiq, Robert A. Taylor, John Chaloupka, Adnan I. Qureshi*
- 2:45 P.M. IN5-1.004** The Penumbra Stroke Trial: Effects of Revascularization on Patient Outcomes *Osama Zaidat*
- 3:00 P.M. IN5-1.005** Introducing the HIAT Score: A Novel Predictor of Functional Outcome after Intra-Arterial Thrombolysis for Acute Ischemic Stroke *Hen Hallevi, Andrew D. Barreto, Sean I. Savitz, Miriam M. Morales, Sheryl Martin-Schild, Anitha T. Abraham, Nicole Gonzales, Kachi Illloh, James Grotta*
- 3:15 P.M. IN5-1.006** Lower Pre-Treatment Cerebral Blood Volume Values Are Associated with Higher Rates of Intracranial Hemorrhage in Endovascular Acute Stroke Interventions *Archit Bhatt, Nirav Vora, Ajith Thomas, Arshad Majid, Mounzer Y. Kassab, Maxim Hammer, Ken Uchino, Lawrence Wechsler, Tudor Jovin, Rishi Gupta*

POSTER SESSION / 3:30 P.M.–4:30 P.M. / ROOM 187

- IN5-2.001** The HAT Score: A Simple Grading Scale for Predicting Hemorrhage after Thrombolysis *Min Lou, Adnan Safdar, Manu Mehdiratta, Sandeep Kumar, Gottfried Schlaug, David Searls, Louis Caplan, Magdy Selim*
- IN5-2.002** Design Characteristics of Novel tPA-Loaded Nanocarriers *Axel J. Rosengart, Michael D. Torno, Xianqiao Liu, LaToya Taylor, Michael D. Kaminski*
- IN5-2.003** ADC-Based Prediction of Infarct Growth: Effect of MCA Recanalization *Charlotte Rosso, Nidiyare Hevia-Montiel, Sandrine Deltour, Yohan Attal, Didier Dormont, Sophie Crozier, Anne Leger, Sylvain Baillet, Yves Samson*
- IN5-2.004** Non-Invasive PET Imaging of Neurovascular Apoptosis in Patients with Acute Ischemic Cerebral Stroke by [¹⁸F]-ML-10, a Novel Small-Molecule Tracer: A Clinical Study Report *Ilan Ziv, Bengt Langstrom, Gunnar Antoni, Johanna Hoglund, Jens Sorensen, Anat Shirvan*
- IN5-2.005** Application of Hidden Markov Random Field (HMRF) Approach for Quantification of Perfusion/Diffusion Mismatch in Acute Ischemic Stroke *Michael G. Dwyer, Niels Bergsland, Erik Saluste, Jitendra Sharma, Zeenat Jaisani, Jacqueline Durfee, Nadir Abdelrahman, Alireza Minagar, Romy Hoque, Fredrick Munschauer, Robert Zivadinov*
- IN5-2.006** Wake up Stroke: Clinical and Imaging Characteristics *Gisele S. Silva, Erica Camargo, Wade Smith, Aneesh Singhal, David Greer, Hakan Ay, Michael Lev, Gordon Harris, Elkan Halpern, Fabricio Lima, Shruti Sonni, Karen Furie*
- IN5-2.007** Utility of CT Scan Criteria for IVTPA Treatment in Patients with Unknown Time of Stroke Onset *Wei Liu, Denise Drumm, Marc Malkoff, Murray Flaster, George Tsigoulis, James Frey*
- IN5-2.008** Perfusion Angiography: A Novel Technique for Characterization of Perfusion in Cerebral Ischemia *David Liebeskind, Gregory Szilagyi, Sandra E. Black, Brian H. Buck*
- IN5-2.009** The Diagnostic Yield of Computed Tomographic Angiography in Patients with Non-Penetrating Traumatic Cerebrovascular Injury *Jefferson Miley, Adnan I. Qureshi*
- IN5-2.010** Significance of Aortic Atherosclerotic Disease in Possible Embolic Stroke without Evident Cardioembolic Source: 64-Multidetector Row Computed Tomography Study *Youngchai Ko, Jung-Hyun Park, Mi-Hwa Yang, Sang-Bae Ko, Sang Il Choi, Eun Ju Chun, Moon-Ku Han, Hee-Joon Bae*

PANEL DISCUSSION / 4:30 P.M.–6:00 P.M. / ROOM 187

Discussants: Thanh Nguyen, MD / Boston, MA
Steven Warach, MD, PhD / Bethesda, MD
Lawrence Wechsler, MD, FAAN / Pittsburgh, PA