Friday May 13, 2016

Session 1. Unruptured Cerebral Aneurysm and SAH CDE Project

07:00 – 07:45 Registration and Breakfast

07:45 – 08:00 Welcome and Introduction

Jose I Suarez, M.D. (Baylor College of Medicine, Houston, TX)

R Loch Macdonald, M.D., Ph.D. (University of Toronto, Toronto, ON, Canada)

08:00 – 08:30 NINDS CDE Project and National Library of Medicine

Joanne C Odenkirchen, MPH (NINDS/NIH, Neuroscience Center, Bethesda, MD)

Moderators: Sherry Chou, M.D. (University of Pittsburgh, Pittsburgh, PA); Nerissa Ko, M.D. (University of California San Francisco, San Francisco, CA)

08:30 – 09:00 Subject Characteristics

Akio Morita, M.D. (Nippon Medical School, Tokyo, Japan)

09:00 – 09:15 Questions & Answers

09:15 – 09:45 Assessments and Exams

Jose I Suarez, M.D. (Baylor College of Medicine, Houston, TX)

09:45 – 10:00 Questions & Answers

10:00 - 10:15 Morning Break

10:15 – 10:45 Biospecimens and Biomarkers

R Loch Macdonald, M.D., Ph.D. (University of Toronto, Toronto, ON, Canada)

10:45 – 11:00 Questions & Answers

11:00 – 11:30 Hospital Course and Acute Therapies

Sepideh Amin-Hanjani, M.D. (University of Illinois, Chicago, IL)

Airton Leonardo de Oliveira Manoel, M.D. (University of Toronto, Totonto, ON, Canada)

11:30 – 11:45 Questions & Answers
11:45 – 12:45 Lunch Break

**Moderators:** Paul Nyquist, M.D., MPH (Johns Hopkins University, Baltimore, MD); Susanne Muehlschlegel, M.D., MPH (University of Massachusetts, Worcester, MA)

12:45 – 13:15 Imaging
   
   Daniel Rüfenacht, M.D. (University of Berne, Switzerland)

13:15 – 13:30 Questions & Answers

13:30 – 14:00 Long-Term Therapies

   George K C Wong, M.D. (Chinese University of Hong Kong, Hong Kong)

14:00 – 14:15 Questions & Answers

14:15 – 14:30 Afternoon Break

14:30 – 15:00 Outcomes and Endpoints

   Mervyn Vergouwen, M.D., Ph.D. (University Medical Center, Utrecht, The Netherlands)
   
   Martin Stienen, M.D. (Geneva University Hospital, Geneva, Switzerland)

15:00 – 15:15 Questions & Answers

15:15 – 15:45 Unruptured Intracranial Aneurysms

   Gabriel J E Rinkel, M.D. (University Medical Center, Utrecht, The Netherlands)
   
   Nima Etminan, M.D. (University of Duesseldorf, Duesseldorf, Germany)

15:45 – 16:00 Questions & Answers

16:00 – 16:15 Concluding Remarks & Adjourn

   Jose I Suarez, M.D. (Baylor College of Medicine, Houston, TX)
   
   R Loch Macdonald, M.D., Ph.D. (University of Toronto, Toronto, ON, CA)
   
   NINDS Representative

18:00 – 21:00 Welcoming Reception and Dinner

**Saturday May 14, 2016**

07:00 – 07:45 Registration and Breakfast

07:45 – 08:00 History and Aims of the Neurocritical Care Research Conference

Peter D Leroux, MD (MLHC Brain and Spine Center at Lankenau Medical Center, Philadelphia, PA; Jose I Suarez, MD (Baylor College of Medicine, Houston, TX)
08:00 – 12:00 Session 2: Special Lectures

**Moderators:** Christiana Hall, MD (UT Southwestern, Dallas, TX); Paul Vespa, MD (University of California Los Angeles, Los Angeles, CA)

-08:00 – 08:30 *Early Brain Injury in SAH: can we lock Pandora’s box?*
  
  R Loch Macdonald, M.D., Ph.D.
  
  University of Toronto, Toronto, ON, Canada

-08:30 – 08:45 *Questions & Answers*

-08:45 – 09:15 *The Janus-Faced Response of the Microcirculation in SAH*
  
  Ryszard M Pluta, MD, Ph.D.
  
  NINDS, Bethesda, MD

-09:15 – 09:30 *Questions & Answers*

09:30 – 09:45 *Coffee Break*

-09:45 – 10:15 *Animal Models of SAH: should we abandon the Odyssey or pursue the road to Ithaca?*
  
  Sherry Chou, MD
  
  University of Pittsburgh, Pittsburgh, PA

-10:15 – 10:30 *Questions & Answers*

-10:30 – 11:00 *Failure of Clinical Trials in SAH: will we unravel the Sphinx’s riddle?*
  
  Gabriel J E Rinkel, MD
  
  University Medical Center, Utrecht, The Netherlands

-11:00 – 11:15 *Questions & Answers*

-11:15 – 11:45 *Incorporating multimodality neuromonitoring in SAH research: the myth of Sisyphus?*
  
  Peter D Leroux, MD
  
  MLHC Brain and Spine Center at Lankenau Medical Center, Philadelphia, PA

-11:45 – 12:00 *Questions & Answers*

12:00 – 12:45 *Lunch Break*

12:45 – 16:05 Session 3: Point & Counterpoint and Controversies: are we doomed to repeat our past mistakes?

**Moderators:** Augusto Parra, M.D., MPH (University of Texas San Antonio, San Antonio, TX); Kiwon Lee, M.D. (University of Texas Houston, Houston, TX)
-12:45 – 13:05 **Pre-clinical studies are necessary in SAH**
   - R Loch Macdonald, M.D., Ph.D. (University of Toronto, Toronto, ON, Canada)

-13:05 – 13:25 **Targeting vasospasm is important**
   - Susanne Muehlschlegel, M.D., MPH (University of Massachusetts, Worcester, MA): YES
   - Mervyn Vergouwen, M.D., Ph.D. (University Medical Center, Utrecht, Netherlands): NO

-13:25 – 13:45 **Spreading Depression is a target for treatment in SAH**
   - Paul Vespa, M.D., Ph.D. (University of California Los Angeles, Los Angeles, CA): YES
   - Nerissa Ko, M.D. (University of California San Francisco, San Francisco, CA): NO

-13:45 – 14:05 **Inflammation modulators rather than anticonvulsants**
   - Jan Claassen, M.D., Ph.D. (Columbia University, New York, NY): YES
   - Raj Dhar, M.D. (Washington University, St Louis, MO): NO

-14:05 – 14:25 **Should we abandon traditional randomized clinical trials in SAH?**
   - Gabriel J E Rinkel, M.D. (University Medical Center, Utrecht, The Netherlands): YES
   - George K C Wong, M.D. (Chinese University of Hong Kong, Hong Kong): NO

-14:25 – 14:45 **Pragmatic Clinical Trial design is the way of the future in SAH**
   - Airton Leonardo de Oliveira Manoel, M.D. (Univ of Toronto, Toronto, ON, Canada)

-14:45 – 15:05 **Nutrition and Inflammation: children of a lesser god in SAH?**
   - Neeraj Badjatia, M.D., M.S. (University of Maryland, Baltimore, MD)

-15:05 – 16:05 **Panel Discussion**

16:05 – 16:20 **Coffee Break**

16:20 – 19:05 **Session 4: Clinical Study Design in SAH**

**Moderators:** Kevin Sheth, M.D. (Yale University, New Haven, CT); Romergryko Geocadin, M.D. (Johns Hopkins University, Baltimore, MD)

-16:20 – 16:35 **Sample Size Calculations in SAH**
   - Blessing N Jaja, M.D., Ph.D. (University of Toronto, Toronto, ON, CA)

-16:35 – 16:50 **Adaptive Design for Clinical Trials in SAH**
   - Renee H Martin, Ph.D. (Medical University of South Carolina, Charleston, SC)

-16:50 – 17:05 **Clinical and Imaging Endpoints in SAH**
Mervyn Vergouwen, M.D., Ph.D. (University Medical Center, Utrecht, The Netherlands)

-17:05 – 17:20 Biomarkers and surrogate endpoints in SAH

Neeraj Badjatia, M.D., M.S. (University of Maryland, Baltimore, MD)

-17:20 – 17:35 Neuropsychological endpoints in SAH: what and when?

Tom A Schweizer, Ph.D. (University of Toronto, Toronto, ON, Canada)

-17:35 – 17:50 Rehabilitation endpoints in SAH

Janis Daly, PhD, M.S. (University of Florida, Gainesville, FL)

-17:50 – 18:05 What have we learned from SAHIT?

Blessing N Jaja, M.D., Ph.D. (University of Toronto, Toronto, ON, CA)

-18:05 – 18:20 Designing a Prospective Registry in SAH

Jose I Suarez, M.D. (Baylor College of Medicine, Houston, TX)

R Loch Macdonald, M.D., Ph.D. (University of Toronto, Toronto, ON, CA)

18:20 – 19:05 Panel Discussion

19:05 – 21:30 Dinner

Sunday May 15, 2016

07:00 – 08:00 Registration and Breakfast

08:00 – 09:45 Session 5: Research Priorities in SAH: a global perspective

Moderators: Tiffany R Chang, MD (University of Texas Houston, Houston, TX); Fred Rincon, M.D., MSc (Thomas Jefferson University, Philadelphia, PA)

-08:00 – 08:10 USA

Sepideh Amin-Hanjani, M.D. (University of Illinois, Chicago, IL)

-08:10 – 08:20 Canada

R Loch Macdonald, M.D., Ph.D. (University of Toronto, Toronto, ON, Canada)

-08:20 – 08:30 Switzerland

Martin Stienen, M.D. (Geneva University Hospital, Geneva, Switzerland)

-08:30 – 08:40 Germany

Nima Etminan, M.D. (University of Duesseldorf, Duesseldorf, Germany)

-08:40 – 08:50 Japan
Akio Morita, M.D. (Nippon Medical School, Tokyo, Japan)

-08:50 – 09:00 **Hong Kong**

George K C Wong, M.D. (Chinese University of Hong Kong, Hong Kong)

-09:00 – 09:45 **Questions & Answers**

09:45 – 10:00 **Coffee Break**

10:00 – 12:30 **Session 6: Research Project Presentation and Discussion**

**Moderators:** Denise Rhoney, PharmD (University of North Carolina, NC); Jonathan Rosand, MD (Harvard University, Boston, MA); Daiwai Olson, PhD, RN (UT Southwestern, Dallas, TX)

-10:00 – 10:15 **Research Proposal # 1**

-10:15 – 10:30 **Questions & Answers**

-10:30 – 10:45 **Research Proposal # 2**

-10:45 – 11:00 **Questions & Answers**

-11:00 – 11:15 **Research Proposal # 3**

-11:15 – 11:30 **Questions & Answers**

-11:30 – 11:45 **Research Proposal # 4**

-11:45 – 12:00 **Questions & Answers**

-12:00 – 12:15 **Research Proposal # 5**

-12:15 – 12:30 **Questions & Answers**

12:30 – 12:40 **Concluding Remarks & Adjourn**

12:40  **Lunch**
** A Review Committee will review all submitted proposals, and then will critique and grade them. The top 5 proposals will be selected for formal presentation and discussion.

**Review Committee:**

Chair: Jonathan Rosand, MD (Harvard University, Boston, MA); Other members: Denise Rhoney, PharmD (University of North Carolina at Chapel Hill, NC), Alexandros Georgiadis, MD (Baylor College of Medicine, Houston, TX), Mauro Oddo, MD (University of Lausanne, Lausanne, Switzerland), Daiwai Olson, PhD, RN (UT Southwestern), Kevin Sheth, MD (Yale University, New Haven, CT), Fabio S Taccone, MD (Université Libre de Bruxelles, Erasme Hospital, Brussels, Belgium), Panayiotis Varelas, MD, PhD (Henry Ford Hospital, Detroit, MI).