

THURSDAY JUNE 20th | NICIS EUROPE 2019

8:30am-8:50am **Welcome & registration**

8:50am-9:00am **INTRODUCTION** *Benjamin Rohaut*

9:00am-10:00am **NEUROPROGNOSTICATION IN STROKE** *Moderators: Michel van Putten, Robert D Stevens*

9:00am-9:20am Prediction of aphasia recovery after ischemic stroke *Cathy J Price - University College London, London (United Kingdom)*

9:20am-9h40am Prediction of motor recovery after ischemic stroke *Charlotte Rosso - Sorbonne University, Paris (France)*

9:40am-10:00am Pragmatic approach of prognostication in severe stroke *Mikael Mazighi - Paris Diderot University, Paris (France)*

10:00am-10:20am **Coffee Break**

10:20am-11:40am **NEUROPROGNOSTICATION IN CARDIAC ARREST** *Moderators: David Sharp, Bertrand Hermann*

10:20am-10:40am Pathophysiology of ischemic brain injuries *Denis Vivien - INSERM Paris, GIP CyCeron Caen (France)*

10:40am-11:00am Functional and structural MRI for neuroprognostication after cardiac arrest *Robert D Stevens - Johns Hopkins Medicine, Baltimore (USA)*

11:00am-11:20am Electrophysiology in anoxo-ischemic injuries *Michel van Putten - University of Twente & Medisch Spectrum Twente (Netherlands)*

11:20am-11:40am Pragmatic approach of prognostication after cardiac arrest *Alain Cariou - Paris Descartes University, Paris (France)*

11:40am-1:10pm **Lunch Break**

2:00pm-3:20pm **NEUROPROGNOSTICATION IN TRAUMATIC BRAIN INJURY** *Moderators: Vincent Degos, Giuseppe Citerio*

2:00pm-2:20pm Pathophysiology of TBI *Jonathan Coles - University of Cambridge, Cambridge (United Kingdom)*

2:20pm-2:40pm Epidemiological research on prognostication of TBI Outcome *Hester Lingsma - Erasmus Medical Center, Rotterdam (Netherlands)*

2:40pm-3:00pm Predict cognitive dysfunction after TBI *David Sharp - Imperial College London (United Kingdom)*

3:00pm-3:20pm Long term improvement after TBI *Jacques Luauté - Hospices Civils de Lyon, Lyon (France)*

3:20pm-3:40pm **Coffee Break**

3:40pm-5:00pm **NEUROPLASTICITY** *Moderators: Jonathan Coles, Aurélien Mazeraud*

3:40pm-4:00pm Stress-induced mechanisms of neuroplasticity in pathophysiology of brain diseases *Maurizio Popoli - University of Milan, Milan (Italy)*

4:00pm-4:20pm Early markers of perinatal brain damage *Diego Gazzolo - «Cesare Arrigo» Children's Hospital, Alessandria (Italy)*

4:20pm-4:40pm Plasticity and connectivity - Detection and stimulation with TMS *John Rothwell - University College London, London (United Kingdom)*

4:40pm-5:00pm Impact of stress and microbiota on neuroplasticity *Gabriel Lepousez - Institut Pasteur, Paris (France)*

5:00pm-6:30pm **PROGNOSTICATION, MANAGEMENT AND OUTCOME OF ACUTE STROKE**

Moderators: Pr Mikael Mazighi - Pr Romain Sonnevile

5:00pm-5:30pm Multimodal imaging for acute stroke therapy decision and functional prognosis assessment *Eimad Shotar, Salpêtrière Teaching Hospital (France)*

5:30pm-6:00pm Management of acute stroke patient under antithrombotic therapy *Virginie Siguret, Lariboisière Teaching Hospital, (France)*

6:00pm-6:30pm Outcomes of stroke patients requiring invasive mechanical ventilation *Romain Sonnevile, Bichat Teaching Hospital (France)*



FRIDAY JUNE 21th | NICIS EUROPE 2019

8:30am-9:00am **Welcome & registration**

9:00am-10:20am **NEUROPROGNOSTICATION OF CONSCIOUSNESS** *Moderators: Christos Lazaridis, Benjamin Rohaut*

9:00am-9:20am Clinical evaluation of consciousness in the ICU *Aurore Thibaut - University of Liège (Belgium)*

9:20am-9:40am Uncovering consciousness in unresponsive ICU patients: technical, medical and ethical considerations *Jan Claassen - Columbia University, New York (USA)*

9:40am-10:00am Sleep-like neuronal OFF-periods in awake, brain-injured patients *Mario Rosanova - University of Milan, Milan (Italy)*

10:00am-10:20am EEG markers of consciousness in brain-injured patients *Jacobo Sitt - Brain and Spine Institute, Paris (France)*

10:20am-10:50am **Coffee Break | Posters Sessions** *Sarah Benganem, Eleonore Bouchereau, Fernando Bozza, Christos Lazaridis*

10:50am-12:10am **DECISION MAKING IN HIGH DEGREE OF UNCERTAINTY** *Moderators: Mario Rosanova, Jan Claassens*

10:50am-11:10am General introduction to decision making *Albert Moukheiber - Chiasma, Paris (France)*

11:10am-11:30am Confirmation bias *Stefano Palminteri - Ecole Normale Supérieure, Paris (France)*

11:30am-11:50am How to improve medical decision under pressure / uncertainty *Niklas Keller - Charité Universitätmedizin, Berlin (Germany)*

11:50am-12:10pm The key role of uncertainty in decisions to withdraw Life-sustaining treatments *Christos Lazaridis - University of Chicago, Chicago (USA)*

12:10pm-1:40pm **MINISYMPOSIUM SOPHYSA: TEMPERATURE IN NEURO-ICU** *Moderator: Pr Vincent Degos*

12:10pm-12:40pm Mechanisms of temperature control *Dr Bernard Vigué, Le Kremlin-Bicêtre (France)*

12:40pm-1:10pm Benefit from temperature control in neuroICU patients *Pr Jean-François Payen, Université Grenoble Alpes, Grenoble (France)*

1:10pm-1:40pm Monitoring of the central temperature ? *Dr Nicolas Engrand, Fondation Rothschild, Paris (France)*

2:00pm-2:20pm **NEUROPROGNOSTICATION IN STROKE (follow)**

Pathophysiology of acute ischemic stroke and recovery *Lionel Velly - Aix-Marseille University, Marseille (France)*

2:20pm-3:40pm **BRAIN DEATH: CONCEPTS AND CHALLENGES** *Moderators: Ari Ercole, Jorge Salluh*

2:20pm-2:40pm A brief History of brain deaths *Laura Bossi - Paris Diderot University, Paris (France)*

2:40pm-3:00pm Variability or consistency of brain death criteria? *Giuseppe Citerio - Milano Bicocca University, Milan (Italy)*

3:00pm-3:20pm Confounding factor in neuroprognostication: sedation, renal and liver failure *Caroline Nigoghossian - Columbia University Medical Center/NYC Presbyterian Hospital New York (USA)*

3:20pm-3:40pm **Coffee Break**

3:40pm-5:40pm **FUTURE OF NEUROPROGNOSTICATION: BIG DATA AND MACHINE LEARNING**

Moderators: Lionel Velly, Fernando Bozza

3:40pm-4:00pm fUS : The new wave for brain imaging *Zsolt Lenkei - Centre de psychiatrie et Neurosciences, Paris (France)*

4:00pm-4:20pm Using real-world data for research and outcomes: An innovative approach *Jorge Salluh - D'Or Institute for research and education, Rio de Janeiro (Brazil)*

4:20pm-4:40pm Big Data and prediction *Ari Ercole - Erasmus Medical Center, Rotterdam (Netherlands)*

4:40pm-5:00pm Non-linear machine learning and signal models reveal new insights on neural oscillations *Alexandre Gramfort - Inria, CEA Neurospin, Université Paris-Saclay (France)*

5:00pm-5:20pm Prognostication of consciousness recovery: State of the art in 2019 *Lionel Naccache - Sorbonne Universities, Paris (France)*

5:20pm-5:40pm A multimodal approach of neuroprognostication *Louis Puybasset - Sorbonne University, Paris (France)*

5:40pm-6:00pm

Concluding remarks and award results: *Aurélien Mazeraud*

