

EURONEURO 2016 - PRELIMINARY PROGRAM

TOPICS

Opening Ceremony : Brain networks, cognition and functional brain connectivity

Basic Neurosciences

Cannabinoids and brain ; regulatory TC cell and stroke
Fundamentals of cerebrovascular autoregulation measurement
Urid acic and stroke
Biomarkers in Acute Brain Injury
The Brain and the lungs cross talk

Intraoperative pharmacological brain protection

Dexmedetomidine for Intraoperative pharmacological brain protection
Neuroprotection in neuroanesthesia by anesthetics
Anesthetic agents: Are they neurotoxic?

Engineering to measure effects: designing new devices and understanding processes

Specific witnesses of the presence of a mental content : Entropies that reflect fronto-parietal connectivity
Specific witnesses of the presence of a mental content: Transcranial magnetic stimulation and perturbational complexity index (PCI)
Engineering to understand processes: models of physiology and pharmacology
Systems approach: the engineer view
Anesthesiologist Requirements

Surgery and Anesthesia at the extreme of ages: consequences for the brain

Developing Brain
Cognitive Decline

New brain monitoring perspectives

Difuse optics and brain monitoring
Periferic endothelium and autoregulation
Human Connectome Project
Transcranial Doppler, Brain echography

Cognitive reserve and Postoperative Cognitive Dysfunction (POCD)

Cognitive reserve imaging
Clinical Cognitive reserve, how to know it for clinical -perioperative- purpose?
Role of Inflammation in POCD and Alzheimer's Disease
BIS and POCD

Consciousness

Settling of consciousness alteration at induction of general anesthesia: do hypnotic agents have differential functional effects
Different functional brain dynamics between induction of and recovery from general anesthesia
Consciousness and Memory

Bedside detection of awareness in vegetative state

ECC, ECMO, CPR and brain

Periprocedure brain monitoring in cardiac surgery

monitoring brain during CPR (SrO₂, BIS,...)

Is there any room for hypothermia after CPR?

The Brain and the heart cross talk

Extracorporeal circulation support effects on the brain

Intraoperative cerebral monitoring

Analgesia monitoring.

Direct an Indirect measurement of cerebral blood flow .

Lower Limit of Autoregulation

BIS monitoring

Neurophysiology Monitoring (INM) in perioperative setting

INM for motor and language mapping

INM in skull base surgery (cranial nerves monitoring)

Pitfalls in Intraoperative Neurophysiological Monitoring (position, drugs, temperature, hemodynamic changes,...)

Status epilepticus, "cortical spreading depression" and "Non convulsive epilepsy" in ICU

Quantitative MRI in brain injury

to assess the lesional burden

to assess the prognosis

to assess functional networks

International repositories in brain injury

EU, Center TBI

USA, Track TBI

Coagulation

Anticoagulants or Antiplatelet Aggregations agents and Neurosurgical or

NeuroAngioRadiology Procedures

How can we prevent Deep venous Thrombosis in Neurosurgical or NeuroAngioRadiology Procedures?

Intraoperative Massive Hemorrhage and Neurosurgical or NeuroAngioRadiology Procedures

Decompressive craniectomy

The "rescueicp study" results

Decompressive craniectomy following traumatic brain injury

Malignant stroke and compressive craniotomy

Ventilation strategies in Neurocritical Patients

Prone position and lung function during general anesthesia

Weaning in neuro patients ... the rationale, the best methods, clinical evidence

Possible role of assisted ventilation and non invasive respiratory support in neurological acute impaired patients

Postoperative management after brain tumor surgery: from extubation to the 80th hour

Inhalatory sedation in NICU. Winds of change

Update in vascular Neurocritical Patient management

Blood pressure targets and stroke
Stroke endovascular treatment: neuroangiologist and neurologist and Anaesthesiologist
General Anaesthesia for endovascular stroke treatment
Ischemic deficits in hemorrhagic stroke
Hypothermia after Acute Ischemic Stroke
Flow diverters: a change of paradigm in Neuroendovascular treatment

New approaches in neurosurgery and chronically neurological diseases

Present and future of endoscopic skull base surgery
Intraoperative "permissive hypotension" and brain monitoring
Postoperative management. Redefining neurosurgical ambulatory surgery in 21st century
Changes in Epilepsy surgery with Functional MR perioperative coupling
Best recommended evaluation scores in neurosurgical patients
pharmacologic postoperative treatment (analgesia, PONV,..)
Candidates to ICU & overnight monitoring.
Surgery in Parkinson patients with and without DBS pacemakers
When to schedule surgery after stroke or with a dementia?
Non-surgical approach in functional neurosurgery
Multiple sclerosis and surgery or other inflammatory challenges
Surgical treatment in initial attention to the Neurocritical Patient

Initial Attention to Neurocritical Patient

stroke code, "polytraumatism code" "SAH code". Where do we treat these patients?
Cranial versus abdominal/thoracic injuries in poly-trauma
Update on Hypothermia
Perioperative glycemia management in NA & NCC
Update in Neurological infection in ICU
"ENLS"
Systemic Sepsis and brain
Brain Trauma Foundation Guidelines

Education in Neuroscience Specialists

What specific knowledge do "neuroscience specialists" share?
Neuroangiology and "Minimally invasive Neurosurgery" . Same skills?
Continuing education /simulation.../resources: Standards for CME in neuroanaesthesia and neurocritical care
Reading and Doing Neuroscience Research (or Neuroanesthesiology Research)

Rehabilitation after Acute Brain Injury

Transcranial magnetic stimulation
Preconditioning
Pharmacologic treatment
Neurorehabilitation as a key element in return to a thoughtful life after acute neurodegeneration from TBI or SAH
Treatment and Outcome in TBI, banishing self-fulfilled prophecies
Patient's experience after neurosurgery and neurocritical care: ask your patient
Quality of life and related issues in neurologic conditions