

# 22 > 24 APRIL 2020 | SPRING IN PARIS

## EURONEURO 2020 | 11TH EDITION



UPDATE ON NEUROANESTHESIA & NEURO-INTENSIVE CARE

### FACULTIES

- AR Absalom (Gröningen)
- P Amorim (Porto)
- P Bouzat (Grenoble)
- S Bracard (Nancy)
- N Bruder (Marseille)
- J Claassen (New York)
- A deCrouy (Paris)
- V Degos (Paris)

- C de Deyne (Genk)
- T Geeraerts (Toulouse)
- JC Hemphill (San Francisco)
- R Heylen (Genk)
- I Laffont (Montpellier)
- S Lagarde (Marseille)
- F Lobo (Doha)
- AC Lukaszewicz (Lyon)

- M Mazighi (Paris)
- D Menon (Cambridge)
- M Oddo (Lausanne)
- JF Payen (Grenoble)
- F Proust (Strasbourg)
- L Puybasset (Paris)
- A Raabe (Zurich)
- J Regis (Marseille)

- C Robba (Milan)
- T Sharshar (Paris)
- M Smith (London)
- R Stevens (Baltimore)
- F Taccone (Brussels)
- R Valero (Barcelona)
- L Velly (Marseille)
- X Willaert (Genk)

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# WEDNESDAY 22 APRIL 2020 | EURONEURO 2020 | 11TH EDITION

## AMPHITHÉÂTRE BERLIOZ

7:30AM

REGISTRATION

### SESSION 1

09:00AM - 09:15AM  
09:15AM - 10:00AM

### OPENING SESSION

Welcome  
Opening lecture

10:00 - 10:30AM

BREAK

### SESSION 2

10:30AM - 12:30PM

### TRAUMATIC BRAIN INJURY

#### MANAGEMENT OF TRAUMATIC BRAIN INJURY: LESS IS BETTER?

ICP: from invasive to non-invasive assessment?  
From hypothermia to targeted temperature management  
Oxygenation for the injured brain: not too little, not too much?  
Optimal CPP: toward individual patient management

12:30PM - 02:00PM

LUNCH SYMPOSIUM

### SESSION 3

02:00PM - 03:30PM

### TRAUMATIC BRAIN INJURY

#### TBI, ANTICOAGULANTS, ANTIPLATELETS AGENTS

How to have a safe emergency neurosurgery?  
Biological assessment of hemostasis  
Reversal of antithrombotic agents

03:30PM - 04:00PM

BREAK

### SESSION 4

04:00PM - 05:20PM

### TRAUMATIC BRAIN INJURY

#### EVERYTHING BUT THE BRAIN : OPTIMIZING LUNGS, HEART AND THE BODY

Respiratory management in acute brain injury  
Acute cardiac dysfunction and the brain  
Renal replacement therapy after acute brain injury  
Any specificity for transfusion after acute brain injury?

05:30PM

END OF SESSIONS

06:00PM

OPENING COCKTAIL

# WEDNESDAY 22 APRIL 2020 | EURONEURO 2020 | 11TH EDITION

## ROOM 10

### SESSION 5

10:30AM - 11:50AM

### ANESTHESIA/MONITORING

#### DEPTH OF ANESTHESIA MONITORING

How to monitor depth of anesthesia?

Depth of anesthesia for the aging brain

Prevention of awareness during anesthesia

Depth of anesthesia monitoring and mortality

12:30PM - 02:00PM

### SYMPOSIUM

### SESSION 6

02:00PM - 03:30PM

### MONITORING

#### PERIOPERATIVE AND ICU MONITORING OF PAIN

Pupillometry

Heart rate variability and ANI

Nociception level index

Prevention of persistent postsurgical pain

Discussion

03:00PM - 04:00PM

### BREAK

### SESSION 7

04:00PM - 05:20PM

### MONITORING

#### BRAIN BIOMARKERS

Biomarkers after TBI

Biomarkers for stroke

Biomarkers after cardiac arrest

Biomarkers after SAH

05:30PM

### END OF SESSIONS

06:00PM

### OPENING COCKTAIL

# WEDNESDAY 22 APRIL 2020 | EURONEURO 2020 | 11TH EDITION

## ROOM MOLIERE

### SESSION 8

02:00PM - 03:30PM

### TRAUMATIC BRAIN INJURY

#### FUELING THE INJURED BRAIN

Balanced crystalloids of hypertonic saline?

Lactates and Ketones for the injured brain

Microdialysis for brain metabolism monitoring

03:30PM - 04:00PM

BREAK

### SESSION 9

04:00PM - 05:20PM

### CENTER-TBI: LESSONS TO LEARN

Epidemiology of the cohort

Adherence to guidelines in the cohort

Optimal cerebral perfusion pressure in CENTER-TBI

Neurological outcome in CENTER-TBI

05:30PM

END OF SESSIONS

06:00PM

OPENING COCKTAIL

# THURSDAY 23 APRIL 2020 | EURONEURO 2020 | 11TH EDITION

## AMPHITHÉÂTRE BERLIOZ

### SESSION 10

08:30AM - 10:00AM

### STROKE

#### EARLY ISCHEMIC STROKE MANAGEMENT?

Early imaging: CT

Early imaging : MRI

Reperfusion strategies

Hemodynamic optimization

Discussion

10:00AM - 11:00AM

### BREAK

### SESSION 11

11:00AM - 12:00PM

### STROKE

#### ICU STROKE MANAGEMENT

Reperfusion injury **[NICIS]**

Intracerebral hemorrhage

Decompressive craniectomy

12:30PM - 02:00PM

### LUNCH SYMPOSIUM

### SESSION 12

02:00PM - 03:30PM

### STROKE

#### REPERFUSION AFTER ISCHEMIC STROKE

Indications for thrombolysis

Beyond 6-hours, how to select patients for thrombectomy

General anesthesia or sedation for thrombectomy: the final word?

Discussion

03:30PM - 04:00PM

### BREAK

### SESSION 13

04:00PM - 05:30PM

### SUBARACHNOID HEMORRHAGE

#### DELAYED ISCHEMIC NEUROLOGICAL INJURY

Cortical spreading depolarization

Vasospasm related ischemia after SAH

Reversible cerebral vasoconstriction syndrome

Pharmacological treatment to prevent DIND

05:30PM

### END OF SESSIONS

# THURSDAY 23 APRIL 2020 | EURONEURO 2020 | 11TH EDITION

## ROOM 10

### SESSION 14

08:30AM - 10:00AM

### SUBARACHNOID HEMORRHAGE

#### ANEURYSM TREATMENT

Timing and effects of rebleeding before treatment of the aneurysm

All patients should be treated via the endovascular approach PRO

All patients should be treated via the endovascular approach CON

10:00AM - 10:30AM

### BREAK

### SESSION 15

10:30AM - 12:30PM

### MONITORING

#### NEUROMONITORING AFTER ACUTE BRAIN INJURY

Brain sonography

Pupillometry

Brain tissue oxygen pressure

Microdialysis

12:30PM - 02:00PM

### SYMPOSIUM

### SESSION 16

02:00PM - 03:30PM

### SEPSIS/INFLAMMATION [NICIS]

#### ENCEPHALITIS

Diagnosis of bacterial meningitis

Encephalitis in intensive care units

Diagnosis of auto-immune encephalitis in the ICU

03:30PM - 04:00PM

### BREAK

### SESSION 17

04:00PM - 05:30PM

### SEPSIS/INFLAMMATION

#### TREATMENT OF NEUROINFECTIOUS DISEASES

How do molecules in the CSF reach brain cells

PK/PD and CNS infections

Do we need intraventricular antibiotics

Surgical options for deep brain infections

Discussion

05:30PM

END OF SESSIONS

# THURSDAY 23 APRIL 2020 | EURONEURO 2020 | 11TH EDITION

## ROOM MOLIÈRE

### SESSION 18

08:30PM - 10:00PM

### NEUROBIOLOGY [NICIS]

#### NEUROENDOCRINE RESPONSE TO BRAIN INJURY

Neurobiology of fear and anxiety

Role of corticosteroids in brain response to stress

Mechanisms of PTSD

10:00AM - 10:30AM

### BREAK

### SESSION 19

10:30AM - 12:30PM

### NEUROINFLAMMATION [NICIS]

Brain inflammation and sepsis in the ICU

Brain inflammation and septic encephalitis

Microglial priming and neurodegenerative disease

Brain injury and immunity

12:30PM - 02:00PM

### SYMPOSIUM

### SESSION 20

02:00PM - 03:30PM

### ICON-TBI [NICIS]

#### NEUROINFLAMMATION AFTER TBI

Long term post-traumatic neuro-imaging

Sustained post-traumatic neuro-inflammation

Insight in auto-immune encephalitis

Chronic traumatic encephalopathy

03:30PM - 04:00PM

### BREAK

### SESSION 21

04:00PM - 05:30PM

### STROKE

#### MANAGEMENT OF STROKE COMPLICATIONS IN THE ICU

PRES, a complication of blood pressure management?

Dysphagia in the ICU

Locked in syndrome: diagnosis in the ICU

Communication for a life-project

05:30PM

END OF SESSIONS

# FRIDAY 24 APRIL 2020 | EURONEURO 2020 | 11TH EDITION

## AMPHITHÉÂTRE BERLIOZ

### SESSION 22

08:30AM - 10:00AM

#### PROGNOSTICATION/REHABILITATION

##### RECOVERY AFTER BRAIN INJURY

impairment and recovery of consciousness after acute brain injury

MRI to assess cognitive dysfunction after TBI

Therapeutic interventions in prolonged disorders of consciousness

10:00AM - 10:30AM

#### BREAK

### SESSION 23

11:00AM - 12:00PM

#### PROGNOSTICATION

##### PROGNOSTICATION AFTER CARDIAC ARREST

Are we making critical decisions too early?

Routine EEG or continuous monitoring?

Is pupillometry useful?

MRI-diffusion-tensor-imaging

12:30PM - 02:00PM

#### LUNCH SYMPOSIUM

### SESSION 24

02:00PM - 03:30PM

#### NEUROCOGNITIVE DISORDERS [NICIS]

Endophenotypes of delirium

Neurophysiologic signatures of delirium

Long-term neurocognitive deficit due to anesthesia and surgery; fact or fallacy?

03:30PM

#### END OF MEETING



# FRIDAY 24 APRIL 2020 | EURONEURO 2020 | 11TH EDITION

## ROOM 10

### SESSION 25

08:30AM - 10:00AM

### NEUROSURGERY

#### FUNCTIONAL NEUROSURGERY

How structural and functional connectivity can revolutionize functional neurosurgery

Cognitive intraoperative monitoring

Awake neurosurgery : the anesthesiologist perspective

10:00AM - 10:30AM

### BREAK

### SESSION 26

10:30AM - 12:30PM

### NEUROSURGERY

#### SURGICAL TREATMENT OF INTRACRANIAL HYPERTENSION

Role of decompressive craniectomy after traumatic brain injury

Technique and complications of decompressive craniectomy

Craniectomy after stroke: what are the limits?

Suboccipital craniectomy after cerebellar stroke

12:30PM - 02:00PM

### SYMPOSIUM

### SESSION 27

02:00PM - 03:30PM

### ANESTHESIA

#### ANESTHESIA FOR THE AGING BRAIN

Brain reserve and cognitive reserve [\[NICIS\]](#)

Neurotoxicity of anesthetic and sedative drugs [\[NICIS\]](#)

Impact of depth-of-anesthesia monitoring

03:30PM

END OF MEETING

# FRIDAY 24 APRIL 2020 | EURONEURO 2020 | 11TH EDITION

## ROOM MOLIERE

### SESSION 28

08:30AM - 10:00AM

### STATUS EPILEPTICUS

Diagnosis of status epilepticus

New treatments of status epilepticus

Monitoring of status epilepticus in the ICU

10:00AM - 10:30AM

### BREAK

### SESSION 29

10:30AM - 12:30PM

### REHABILITATION AFTER BRAIN INJURY

Chronic traumatic encephalopathy

Long-term outcome ; What is a good outcome?

Quality of life after TBI

Quantitative imaging to adapt prognostication

12:30PM - 02:00PM

### SYMPOSIUM

### SESSION 30

02:00PM - 03:30PM

### REHABILITATION AFTER BRAIN INJURY

#### ENHANCING NEUROLOGIC RECOVERY

Which variables affect long-term outcome

Multidisciplinary approach

Methods to enhance cognition recovery after brain injury

Neuro-orthopedics management

Discussion

03:30PM

### END OF MEETING

**WORKSHOPS**  
**Register now!**

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09:00AM - 10:30AM      **ROOM 5 |** Brain sonography (transcranial echography and Doppler)  
09:00AM - 10:30AM      **ROOM 9 |** Invasive neuromonitoring

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02:00PM - 03:30PM      **ROOM 5 |** Interpretation of brain imaging (CT-MRI) in the ICU  
02:00PM - 03:30PM      **ROOM 9 |** Continuous EEG monitoring

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