<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Session</th>
<th>Topic</th>
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<tbody>
<tr>
<td>7:30AM</td>
<td></td>
<td>Registration</td>
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<tr>
<td>09:00AM - 09:15AM</td>
<td>AMPHITHEÂTRE BERLIOZ</td>
<td>OPENING SESSION</td>
<td>Welcome</td>
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<tr>
<td>09:15AM - 10:00AM</td>
<td></td>
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<td>Opening lecture</td>
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<tr>
<td>10:00 - 10:30AM</td>
<td></td>
<td>Break</td>
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<tr>
<td>10:30AM - 12:30PM</td>
<td></td>
<td>TRAUMATIC BRAIN INJURY</td>
<td>MANAGEMENT OF TRAUMATIC BRAIN INJURY: LESS IS BETTER?</td>
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<td>ICP: from invasive to non-invasive assessment?</td>
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<td>From hypothermia to targeted temperature management</td>
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<td>Oxygenation for the injured brain: not too little, not too much?</td>
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<td>Optimal CPP: toward individual patient management</td>
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<tr>
<td>12:30PM - 02:00PM</td>
<td></td>
<td>LUNCH SYMPOSIUM</td>
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<tr>
<td>02:00PM - 03:30PM</td>
<td></td>
<td>TRAUMATIC BRAIN INJURY</td>
<td>TBI, ANTICOAGULANTS, ANTIPLATELETS AGENTS</td>
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<td>How to have a safe emergency neurosurgery?</td>
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<td>Biological assessment of hemostasis</td>
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<td>Reversal of antithrombotic agents</td>
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<tr>
<td>03:30PM - 04:00PM</td>
<td></td>
<td>Break</td>
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<tr>
<td>04:00PM - 05:20PM</td>
<td></td>
<td>TRAUMATIC BRAIN INJURY</td>
<td>EVERYTHING BUT THE BRAIN : OPTIMIZING LUNGS, HEART AND THE BODY</td>
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<td>Respiratory management in acute brain injury</td>
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<td>Acute cardiac dysfunction and the brain</td>
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<td>Renal replacement therapy after acute brain injury</td>
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<td>Any specificity for transfusion after acute brain injury</td>
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<td>05:30PM</td>
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<td>END OF SESSIONS</td>
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<td>06:00PM</td>
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<td>OPENING COCKTAIL</td>
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### ROOM 10

**SESSION 5**  
**ANESTHESIA/MONITORING**  
10:30AM - 11:50AM  
**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**  
**PERIOPERATIVE AND ICU MONITORING OF PAIN**  
02:00PM - 03:30PM  
**PERIOPERATIVE AND ICU MONITORING OF PAIN**  
- Pain in the ICU: what is important and what is not  
- Pupilometry  
- Nociception level index  
- Prevention of persistent postsurgical pain

**03:00PM - 04:00PM**  
**BREAK**

**SESSION 7**  
**MONITORING**  
04:00PM - 05:20PM  
**BRAIN BIOMARKERS**  
- Biomarkers after TBI  
- Biomarkers for stroke  
- Biomarkers after cardiac arrest  
- Biomarkers after SAH

**05:30PM**  
**END OF SESSIONS**

**06:00PM**  
**OPENING COCKTAIL**
### Session 8
**Time:** 02:00PM - 03:30PM
**Room:** Molière
**Topic:** Traumatic Brain Injury
**Session Title:** Fueling the Injured Brain
- Balanced crystalloids of hypertonic saline?
- Lactates and Ketones for the injured brain
- Microdialysis for brain metabolism monitoring

### Session 9
**Time:** 03:30PM - 04:00PM
**Session Title:** Break

**Time:** 04:00PM - 05:20PM
**Room:** Molière
**Topic:** 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

### Additional Events
- **05:30PM:** End of Sessions
- **06:00PM:** Opening Cocktail
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Topic</th>
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</thead>
</table>
| 08:30AM - 10:00AM | 10 | STROKE  
**EARLY ISCHEMIC STROKE MANAGEMENT?**  
Early imaging: CT  
Early imaging: MRI  
Reperfusion strategies  
Hemodynamic optimization  
Discussion |
| 10:00AM - 11:00AM        |        | BREAK                        |
| 11:00AM - 12:00PM | 11 | STROKE  
**ICU STROKE MANAGEMENT**  
Reperfusion injury [NICIS]  
Intracerebral hemorrhage  
Decompressive craniectomy |
| 12:30PM - 02:00PM       |        | LUNCH SYMPOSIUM                                         |
| 02:00PM - 03:30PM | 12 | 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                        |
| 04:00PM - 05:30PM      | 13 | 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          |
### 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**

### Session 15
**10:00AM - 10:30AM**
**Monitoring**
**Neuromonitoring After Acute Brain Injury**
- Brain sonography
- Pupillometry
- Brain tissue oxygen pressure
- Microdialysis

### Session 16
**10:30AM - 12:30PM**
**Sepsis/Inflammation [NICIS]**
**Encephalitis**
- Diagnosis of bacterial meningitis
- Encephalitis in intensive care units
- Diagnosis of auto-immune encephalitis in the ICU

### Session 17
**12:30PM - 02:00PM**
**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**
<table>
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<tr>
<th>Time</th>
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</table>
| 08:30AM - 10:00PM| SESSION 18| 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    |                                                                                           |
| 10:30AM - 12:30PM| SESSION 19| 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|                                                                                           |
| 02:00PM - 03:30PM| SESSION 20| ICON-TBI [NICIS]  
**NEUROINFLAMMATION**  
Long term post-traumatic neuro-imaging  
Sustained post-traumatic neuro-inflammation  
Insight in auto-immune encephalitis  
Chronic traumatic encephalopathy |
| 03:30PM - 04:00PM| BREAK    |                                                                                           |
| 04:00PM - 05:30PM| SESSION 21| 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

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<tr>
<th>AMPITHEÂTRE BERLIOZ</th>
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## 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  
**DELIRIUM [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**
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Topic</th>
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<tbody>
<tr>
<td>08:30AM - 10:00AM</td>
<td>SESSION 25</td>
<td>NEUROSURGERY&lt;br&gt;&lt;strong&gt;FUNCTIONAL NEUROSURGERY&lt;/strong&gt;&lt;br&gt;How structural and functional connectivity can revolutionize functional neurosurgery&lt;br&gt;Cognitive intraoperative monitoring&lt;br&gt;Awake neurosurgery: the anesthesiologist perspective</td>
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<tr>
<td>10:00AM - 10:30AM</td>
<td>BREAK</td>
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<tr>
<td>10:30AM - 12:30PM</td>
<td>SESSION 26</td>
<td>NEUROSURGERY&lt;br&gt;&lt;strong&gt;SURGICAL TREATMENT OF INTRACRANIAL HYPERTENSION&lt;/strong&gt;&lt;br&gt;Role of decompressive craniectomy after traumatic brain injury&lt;br&gt;Technique and complications of decompressive craniectomy&lt;br&gt;Craniectomy after stroke: what are the limits?&lt;br&gt;Suboccipital craniectomy after cerebellar stroke</td>
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<tr>
<td>12:30PM - 02:00PM</td>
<td>SYMPOSIUM</td>
<td></td>
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<tr>
<td>02:00PM - 03:30PM</td>
<td>SESSION 27</td>
<td>ANESTHESIA&lt;br&gt;&lt;strong&gt;ANESTHESIA FOR THE AGING BRAIN&lt;/strong&gt;&lt;br&gt;Brain reserve and cognitive reserve [NICIS]&lt;br&gt;Neurotoxicity of anesthetic and sedative drugs [NICIS]&lt;br&gt;Impact of depth-of-anesthesia monitoring</td>
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<td>03:30PM</td>
<td>END OF MEETING</td>
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ROOM MOLIÈRE

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
THURSDAY 23 APRIL 2020 | EURONEURO 2020 | 11TH EDITION

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

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

FRIDAY 24 APRIL 2020 | EURONEURO 2020 | 11TH EDITION

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