

9:00-10:30	PLENARY ROOM		
	Opening Ceremony		
	Mapping the anatomy of (un)consciousness	D. Menon	Chair: N.Fàbregas
10:30-11:00	Coffee break		
11:00-12:30	ROOM A	ROOM B	ROOM C
	Basic Neurosciences	Neurophysiology Monitoring in perioperative setting and critical care	INTERACTIVE SESSION (TELEVOTER) (50 pax)
	Chair: A.Gelb; C.Werner	Chair: J.Santamaria; G.Schneider	Chair: N.Saiz
	Fundamentals of cerebrovascular autoregulation measurement	Pitfalls in intraoperative neurophysiological monitoring (position, drugs, temperature, hemodynamic changes,...)	ROTEM and neurosurgery
	M.Czosnyka	A.Tercero	A.Biasi
	Brain-lungs cross talk	Changes in epilepsy surgery with functional MRI	
	P.Pelosi	J.Rumia	
	Biomarkers in acute brain injury	perioperative coupling to assess functional networks	Clinical cases on sodium dysfunction in neurocritical care
	H.Prabhakar	Status epilepticus, "cortical spreading depression" and "non convulsive epilepsy" in ICU	J.Dominguez
		M.Oddo	
12:30-14:00	Lunch	(Industry symposium)	
14:00-15:30	ROOM A	ROOM B	ROOM C
	Critical patient and brain	Cognitive reserve and Postoperative Cognitive Dysfunction (POCD)	INTERACTIVE SESSION (TELEVOTER) (50 pax)
	Chair: M.Soehle; J.Sahuquillo	Chair: M.Maze; P.Amorim	Chair: L.Salvador
	Initial assessment to neurocritical patient and practical issues	Clinical cognitive reserve, how to know it for clinical - perioperative- purposes?	Role of advanced MRI techniques in neurosurgery and Intensive care patients: Clinical cases
	F.Taccone	P.Gambús	N. Bargallo
	Brain injury during systemic illness such as sepsis, liver failure, toxics etc.)	When to schedule surgery after a stroke or in a patient with a dementia?	
	JL.Vincent	D.Willner	
	Cranial versus abdominal/thoracic injuries in poly-trauma: management priorities		
	S.Raheem		
15:30-16:00	Coffee break		
16:00-16:45	PLENARY ROOM		
	Consciousness and the machine	P.Verschure	Chair: R.Valero
16:45-17:45	ROOM A	ROOM B	ROOM C
	Decompressive craniectomy	Intraoperative pharmacological brain protection: Pro-Con ?	Neuromonitoring workshop (hands on)
	Chair: E.Zavala; A.Maas	Chair: C. Werner; J.Cottrell	Chair: J.Tercero; F.Lobo; R.Badenes
	Decompressive craniectomy following traumatic brain injury: The "rescuip study" results	Neuroprotection in neuroanesthesia by anaesthetics	Brain oxygen saturation; EEG processed indexes; Analgesia Monitoring
	P.Hutchinson	F.Bilotta	F.Lobo; J.Tercero
	Malignant stroke and decompressive craniotomy	Anaesthetic agents: Are they neurotoxic?	Transcranial Doppler; Autoregulation assessment
	J.Sahuquillo	K.Engelhard	R.Badenes; J.Mercadal; N.De Riva
			A.Tercero
			Evoked potentials
			Point of care thromboelastometry
			Scalp block and echography
			A.Biasi
			X. Sala
18:00-19:00	The cocktail		

9:00-10:30	PLENARY ROOM		
	Consciousness	Chair: P.Gambús; P.Amorim	
	Estimation of brain states by "perturbational complexity index" in humans and animal models	MV.Sanchez Vives	
	Alteration of consciousness at induction of general anaesthesia: do hypnotic agents have differential functional effects?	V.Bonhomme	
	Consciousness and memory	E. Brown	
10:30-11:00	Coffee break		
11:00-12:30	ROOM A	ROOM B	ROOM C
	Improving outcome in trauma brain injury	New brain monitoring perspectives	Nursing Neuro Care (I)
	Chair: D. Menon; H.Van Aken	Chair:M.Nathanson	
	Collaborative European Neurotrauma Effectiveness Research in TBI (Center-TBI)	Hybrid near-infrared diffuse optical methods for bed-side cerebral monitoring	
	A.Maas	T.Durduran	
	Quantitative MRI in brain injury to assess the lesional burden and the prognosis	Image based analysis for the selection of endovascular treatment in stroke	
	L.Puybasset	L. Sanroman	
	Advanced neuroimaging techniques in TBI	Doppler and Duplex: Update in transcranial Doppler and brain echography	
	D. Fernández-Espejo	N.Bruder	
12:30-14:00	Lunch		
	(Industry symposium: MASSIMO)		
14:00-15:30	ROOM A	ROOM B	ROOM C
	Brain and Heart	Quality of life and severe neurological conditions	Nursing Neuro Care (II)
	Chair: C.DeDeyne; R.Badenes	Chair: M.Bernabeu; J.L. Vincent	
	Monitoring the brain during and post CPR	Rehabilitation after Traumatic Brain Injury: What should critical care professionals know?	
	M. Ramsay	S.Laxe	
	Update on hypothermia	Transcranial direct-current stimulation and minimally-conscious state	
	M.Oddo	D.Fernández-Espejo	
	Impact of systemic hemodynamics on brain function	Robotics: usefulness for gait rehabilitation in CNS injury	
	F.Taccone	J.Benito	
15:30-16:00	Coffee break		
16:00-17:30	ROOM A	ROOM B	ROOM C
	Surgery and anaesthesia at the extreme of ages: consequences for the brain	Education in for neuroscience specialists	Nursing Neuro Care (III)
	Chair: C.Kalkman; S. Bergese	Chair: F.Bilotta; K.Engelhardt	
	The developing brain	Continuing education /simulation.../resources: Standards for CME in neuroanaesthesia and neurocritical care	
	J.Cottrell	H.Van Aken	
	Cognitive decline	Reading and doing neuroscience research	
	M.Maze	J.Hartung	
		Fellowship in neuroanesthesia: is there a need?	
		M.Nathanson	
17:30-18:30	Euroneuro members meeting		
	Chair: C.De Deyne; R.Heylen		

9:00-10:30

ROOM A

New technologies on neuro-rehabilitation	Chair: M.Bernabeu; D. Fernández-Espejo
Non-invasive cerebral stimulation after acute brain injury	J. Valls
Virtual reality for motor rehabilitation after stroke	Duarte
A computer system for cognitive rehabilitation	R. Sanchez-Carrion

ROOM B

Engineering to measure effects: designing new devices and understanding processes	Chair: V.Bonhome; F. Lobo
Specific witnesses of the presence of a mental content : Entropies that reflect fronto-parietal connectivity	G.Schneider
Engineering to understand processes: models of physiology and pharmacology	P.Gambús
Anaesthesiologist requirements	P.Amorim

10:30-11:00

Coffee break

11:00-12:30

ROOM A

New approaches in neurosurgery	Chair: S.Bergese; E. Ferrer
Present and future of endoscopic skull base surgery	J.Enseñat
Non-surgical approach in functional neurosurgery	J.Rumià
Postoperative management from ambulatory surgery to candidates to ICU. ICU care in the elderly	B.Matta

ROOM B

Cerebral monitoring at the bed side	Chair: G.Schneider; C.Honorato
Analgesia monitoring	V.Bonhomme
Direct and indirect measurement of cerebral blood flow and brain oxygenation	JM.Dominguez
Autoregulation: Lower limits and blood pressure targets	A.Gelb

ROOM C

Poster session (I)
C.Werner; N.Perez de Arriba; F.Iturri; D.Willner R.Heylen; S.Raheem; G.Santos; I.Gracia

12:30-14:00

Lunch

14:00-15:30

ROOM A

Ventilation strategies in neurocritical patients	Chair: L.Puybasset; E.Zavala
Protective ventilation in brain injury: myth or reality	P.Pelosi
Weaning in neuro patients ... the rationale, the best methods, clinical evidence	P.Rama
Possible role of assisted ventilation and non invasive respiratory support in neurological acute impaired patients	M.Soehle

ROOM B

Update in vascular neurocritical patient management	Chair: C.De Deyne; E.Carrero
Anaesthesia for endovascular stroke treatment	N.Bruder
Organization of endovascular treatment of acute ischemic stroke in Catalunya: The REVASCAT experience	A.Davalos
Ischemic deficits in hemorrhagic stroke	A.Chamorro

ROOM C

Poster session (II)
S.Bergese; L.Valencia; C.Honorato C.Kalkman; N.Saiz; P.Hurtado; J.Fernández-Candil

15:30-16:00

Coffee break

16:00-17:30

ROOM A

Hot spots in neuroendovascular treatment	Chair: J.Macho; MA. Gil de Bernabé
Hemodynamic modelling of cerebral aneurysm and treatment simulation	A.Frangi
Flow diverters: a change of paradigm in Neuroendovascular treatment	J.Blasco
Central Nervous System vessel functional anatomy : from pipes to genes	G.Rodesch

ROOM B

Coagulation, neurosurgery and neuroradiology	Chair: B.Matta; F.Gilsanz
Anticoagulants or antiplatelet aggregation agents and neurosurgical or neuroangioradiology procedures	G.Rath
How can we prevent deep venous thrombosis in neurosurgical or neuroangioradiology procedures?	C.Krenn
Intraoperative massive haemorrhage and neurosurgical or neuroangioradiology procedures	A.Sahin

ROOM C

17:30-18:00

PLENARY ROOM

Conclusions & Farewell