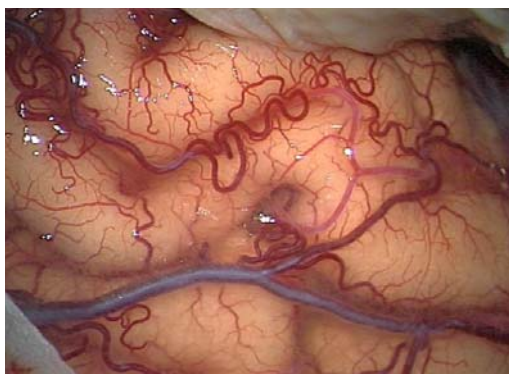


3rd HANDS-ON COURSE OF NEUROSURGICAL APPROACHES

Cerebral sulci, fissures and gyri



Valencia, june 28/july 02, 2010

Department of Neurosurgery
Hospital Clínico Universitario
Valencia, Spain

Course Co-Directors:
Evandro de Oliveira
José M González-Darder

SESSION 1

June 28

CEREBRAL CORTEX 1

08,30-09,00	Structural and functional organization of the cerebral cortex	GUILHERME RIBAS
09,00-10,00	Craniometric anatomy	GUILHERME RIBAS
10,30-13,30	LABORATORY: - Craniometric landmarks - Cranial localization of sulci/fissures/gyri in cadaveric specimens with marks - Skull resection NEURONAVIGATION SIMULATIONS: - Localization of sulci/fissures/gyri in cadaveric specimens comparing craniometric and navigation techniques	ALL FACULTY MEMBERS

SESSION 2

June 28

CEREBRAL CORTEX 2

15,30-16,00	Anatomical localization of functional areas with transcranial magnetic stimulation	JOSEP ESPADALER
16,00-17,00	Anatomy of cerebral sulci, fissures and gyri	CAROLINA MARTINS
17,30-20,30	LABORATORY: - Duramater removal - Identification of sulci/fissures/gyri - Correlation with craniometric landmarks - Trans-sulcal microsurgical approach NEURONAVIGATION SIMULATIONS: - Localization of sulci/fissures/gyri in cadaveric specimens comparing craniometric and navigation techniques	ALL FACULTY MEMBERS

SESSION 3

June 29

SYLVIAN FISSURE

08,30-09,00	Microsurgical anatomy of Sylvian fissure and middle cerebral artery	EVANDRO DE OLIVEIRA
09,00-10,00	Opening of the Sylvian fissure and surgical applications	EVANDRO DE OLIVEIRA
10,30-13,30	LABORATORY: - Sylvian fissure dissection - Middle cerebral artery dissection - Aneurysmal clipping simulation - Hypocampectomy	ALL FACULTY MEMBERS

SESSION 4

June 29

TENTORIAL INCISURE AND PINEAL

15,30-16,00	Microsurgical anatomy of the pineal region and tentorial incisure	EVANDRO DE OLIVEIRA
16,00-16,30	Magnetic resonance imaging of pineal tumours	JOSÉ L LEÓN-GUIJARRO
16,30-17,00	Surgery of pineal region lesions	EVANDRO DE OLIVEIRA
17,30-20,30	LABORATORY: - Pineal region dissection - Tentorial incisure dissection	ALL FACULTY MEMBERS

SESSION 5

June 30

INTERHEMISPHERIC FISSURE

08,30-09,00	Microsurgical anatomy of the interhemispheric fissure and precentral lobe	CAROLINA MARTINS
09,00-09,30	Pathology of intraventricular tumours	MIGUEL CERDÁ-NICOLÁS
09,30-10,00	Microsurgical approaches to the ventricles	EVANDRO DE OLIVEIRA
10,30-13,30	LABORATORY: - Interhemispheric fissure dissection - Precentral lobe dissection - Transcallosal approaches	ALL FACULTY MEMBERS

SESSION 6

June 30

VERBAL & MOTOR ELOQUENT AREAS

15,30-16,00	Preoperative localization of eloquent cortical areas with functional MRI	CÉSAR ÁVILA
16,00-16,30	Intraoperative neurophysiological monitorization of motor eloquent areas	VICTORIA CORTÉS-DOÑATE
16,30-17,00	Microsurgery of intrinsic cerebral tumors located in motor eloquent areas	JOSÉ M GONZALEZ-DARDER
17,30-20,30	LABORATORY: - Localization and dissection of central sulcus and precentral and postcentral gyri - Localization and dissection of frontal operculi NEURONAVIGATION SIMULATIONS: - Localization of sulci/fissures/gyri in cadaveric specimens comparing craniometric and navigation techniques	ALL FACULTY MEMBERS

SESSION 7

July 01

SUBCORTICAL WHITE MATTER 1

08,30-09,00	Cerebral white fibers anatomy and neurophysiology	FRANCISCO MARTÍNEZ-SORIANO
09,00-10,00	Cerebral white fibers dissection (lateral, medial and basal cerebral)	UGUR TÜRE
10,30-13,30	LABORATORY: - White fibers dissection (lateral) and insula - White fibers dissection (medial and basal) PLANNIFICATION STATION SIMULATIONS: - Tractography	ALL FACULTY MEMBERS

SESSION 8

July 01

SUBCORTICAL WHITE MATTER 2

15,30-16,15	Cerebral white fibers anatomy by tractography	ALBERTO PRATS-GALINDO
16,15-17,00	Cerebral white fibers dissection (lateral, medial and basal)	UGUR TÜRE
17,30-20,30	LABORATORY: - White fibers dissection (lateral) and insula - White fibers dissection (medial and basal) PLANNIFICATION STATION SIMULATIONS: - Tractography	ALL FACULTY MEMBERS

SESSION 9

July 02

INSULA

08,30-09,00	Microsurgical anatomy of the insula	UGUR TÜRE
09,00-09,30	Intraoperative anatomical navigation and functional monitorization of the insula	GERARDO CONESA
09,30-10,00	Surgery of insular tumours	UGUR TÜRE
10,30-13,30	LABORATORY: - Dissection of the insula	ALL FACULTY MEMBERS

<http://www.neurocirugiavalencia.com>
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