King’s Neurosurgery Club
at the
Royal Society of Medicine

V Meeting

Mesial Temporal Lobe
3D anatomy, connections, neurogenesis and epilepsy

12th May 2017, 4.00 p.m.

Chandos House - Royal Society of Medicine
2 Queen Anne St, Marylebone, London W1G 9LQ, UK

Course directors: Richard Gullan, Christian Brogna

King’s College Hospital Neurosurgery Consultants:
Prof. Keyoumars Ashkan
Mr. Sinan Barazi
Mr. Sanjeev Bassi
Mr. David Bell
Mr. Ranj Bhangoo
Mr. Peter Bullock
Mr. Chris Chandler
Mr. Kostantinos Barkas
Mr. Gordan Grahovac

Mr. Richard Gullan
Mr. Irfan Malik
Mr. Richard Selway
Mr. Nick Thomas
Mr. Christos Tolias
Mr. Daniel Walsh
Mr. Bassel Zebian
Mr. Francesco Vergani

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PROGRAM

4 pm Introduction

3D Anatomy of the Mesial Temporal Lobe
E.C. Ribas

Hippocampal architecture and connectivity in temporal lobe epilepsy
E. Abela

5.15 pm Discussion (15 m)

Coffee Break

Surgical treatment of epilepsy
R. Selway

Generation of new neurons in the adult hippocampus:
implication for mental health
S. Thuret

7.10 pm Discussion, Q&A (20m)

7.30 p.m

King’s Members dinner at the RSM
Meet the faculty!

**Mr Richard Selway** has been a Consultant Neurosurgeon in King’s College Hospital since 2001. He studied medicine and neuroanatomy in Cambridge before qualifying in 1989. His specialist training was in Cambridge, Oxford, Birmingham and finally in London where he completed a Fellowship in functional neurosurgery. He was awarded the Norman Dott Gold Medal by the Royal College of Surgeons in 1999. He is specialised in the neurosurgical treatment of epilepsy and movement disorders in both adults and children, with a nationwide, as well as international, referral base for both disorders.

**Dr. Eduardo C. Ribas** is a board certified neurosurgeon from Brazil. After finishing his medical and neurosurgery training at the University of São Paulo, he made fellowships with Prof. Albert Rhoton Jr in Gainesville, USA, centered in microsurgical anatomy of the brain and its white matter connections and with Prof. Hugues Duffau in Montpellier, France, to understanding the brain functional organization during awake neurosurgeries. Currently he belongs to the neurosurgery staff of “Hospital Israelita Albert Einstein” and “Hospital das Clínicas”, University of São Paulo, and is dedicated to brain tumor research and neuroanatomy teaching.

**Dr. Eugenio Abela** is a clinical neurologist from Switzerland currently working at the Prof. Richardson Lab for Epilepsy, King’s College London. He is interested in using advanced neuroimaging techniques to better understand, diagnose and treat epilepsies. Dr. Abela is currently investigating thalamo-cortical connections in generalised epilepsies, and testing their value as diagnostic biomarkers. For this project, he has been awarded a Marie-Curie International Fellowship.

**Dr Sandrine Thuret** is the Head of the Adult Neurogenesis and Mental Health Lab, Deputy Head of the Cells and Behaviour Unit, Senior Lecturer in Neural Stem Cells in the Basic and Clinical Neuroscience Department at the Institute of Psychiatry Psychology and Neuroscience (IoPPN), King’s College London, UK. The central theme of the Dr Thuret lab is postnatal and adult hippocampal neurogenesis, which is implicated in memory formation and mood regulation.