

Contents

Foreword.....	IX
Workshop participants	XI

Section I: Concepts and pathophysiology of mesial temporal lobe epilepsies

The concept of mesial temporal lobe epilepsy <i>Philippe Ryvlin, Philippe Kahane, Alexis Arzimanoglou</i>	3
Ictal networks in mesial temporal lobe epilepsy <i>Fabrice Bartolomei, Patrick Chauvel</i>	11
Mesial temporal lobe epilepsy: anatomy and neuropathology <i>Ingmar Blümcke</i>	25
Genetics of mesial temporal lobe epilepsy and febrile seizures <i>Jocelyn F. Bautista</i>	37
Animal models of temporal lobe epilepsy with hippocampal sclerosis: moving beyond chemoconvulsant-induced status epilepticus <i>Hemant S. Kudrimoti, Robert S. Sloviter</i>	43

Section II: Clinical characteristics of mesial temporal lobe epilepsies

Mesial temporal lobe epilepsy: natural history and seizure semiology <i>Felix Rosenow, Soheyl Noachtar</i>	59
Cognitive and psychiatric symptoms and their treatment in temporal lobe epilepsy: the role of the mesiotemporal structures <i>Bettina Schmitz, Marco Mula, Michael Trimble</i>	71

The clinical syndrome of mesial temporal lobe epilepsy in children <i>Andras Fogarasi, Alexis Arzimanoglou.....</i>	93
Mesial <i>versus</i> neocortical temporal lobe epilepsy <i>Nancy Foldvary-Schaefer</i>	109
 Section III: Clinical and experimental neurophysiology of mesial temporal lobe epilepsies	
Non-invasive and invasive EEG in mesial temporal epilepsy <i>Hajo M. Hamer, Philippe Kahane, Hans O. Lüders</i>	115
Magnetoencephalography findings in medial temporal lobe epilepsy <i>Hideaki Shiraishi.....</i>	135
The relevance of high frequency oscillations in the pathophysiology and diagnosis of mesial temporal lobe epilepsy <i>Julia Jacobs.....</i>	145
Laminar electrodes in patients with temporal lobe epilepsy <i>Istvan Ulbert.....</i>	157
 Section IV: Imaging in mesial temporal lobe epilepsies	
Structural imaging of mesial temporal lobe epilepsy <i>Susanne Knake, Tim Wehner, P. Ellen Grant.....</i>	165
The role of cognitive fMRI in mesial temporal lobe epilepsy <i>Kirsten Labudda, Friedrich G. Woermann</i>	175
The role of the Wada test and functional transcranial Doppler sonography in the presurgical diagnosis of mesial temporal lobe epilepsy <i>Tobias Loddenkemper, Anja Haag</i>	189
PET and ictal SPECT in mesial temporal lobe epilepsy <i>Wim Van Paesschen, Karolien Goffin, Koen Van Laere.....</i>	205
 Section V. Treatment of mesial temporal lobe epilepsies	
Antiepileptic treatment of patients with mesial temporal lobe epilepsies <i>Eugen Trinka</i>	225

Depth electrodes (SEEG) in temporal lobe epilepsy <i>Massimo Cossu, Francesco Cardinale, Laura Tassi, Francesca Gozzo, Marco Schiariti, Ivana Sartori, Laura Castana, Giorgio Lo Russo</i>	233
Surgery for temporal lobe epilepsy: pros, cons and comparison between different procedures <i>Stephan Chabardès, Shividatta Prabhu, Taner Tanrıverdi</i>	245
Predictors of seizure outcome following resection for mesial temporal lobe epilepsy <i>Alois Ebner</i>	263
The role of automated seizure detection and prediction <i>Christoph Kurth</i>	269
Behavioural approaches: a critical review <i>Bernhard J. Steinhoff</i>	279