

Contents

Foreword.....	VII
Workshop participants	IX
Neuropsychological deficits in children with temporal lobe epilepsy H. C. Sauerwein, A. Gallagher, M. Lassonde.....	1
Effects of chronic temporal lobe epilepsy on memory functions C. Helmstaedter.....	13
Attention deficit hyperactivity disorder and attentional problems in children with temporal lobe epilepsy D.W. Dunn, W. Kronenberger.....	31
Brain maturation and development of socio-cognitive perception and neural damaging process A. Laurent, A. Arzimanoglou, S. de Schonen.....	47
Autism spectrum disorder in children with temporal lobe epilepsy J.H. Cross, A. McLellan, S. Davies, I. Heyman.....	67
Temporal lobe and social abilities M. Zilbovicius, I. Meresse	75
Input of structural and metabolic MRI techniques in understanding neuronal dysfunction in temporal lobe epilepsy F. Cendes	95
Temporal lobe epilepsy and cognition in children: will fMRI be of some help for a better understanding of the mechanisms involved? D.A. Weber, M.M. Berl, E.N. Moore, G.A. Gioia, E.K. Ritzl, N.B. Ratner, C. Vaidya, W.D. Gaillard.....	105

Temporal lobe epilepsy and cognitive dysfunction: what do we learn from PET studies in children? <i>E. Asano, H.T. Chugani.....</i>	127
What future for neuroimaging techniques in evaluating cognition in children? <i>P. Ryvlin, A. Montavont, A. Arzimanoglou.....</i>	141
Age-dependent consequences of seizures and the development of TLE in the rat <i>A. Nehlig.....</i>	153
Maturation of synchronised activities and epileptogenesis: <i>when is as important as what!</i> <i>Y. Ben-Ari.....</i>	171
Temporal lobe epileptogenesis and epilepsy in the developing brain: bridging the gap between the laboratory and the clinic <i>H.J. Hasson, J. Veliskova, S.R. Haut, S. Shinnar, S.L. Moshé.....</i>	183
Does epileptic activity influence speech organization in temporal lobe epilepsy? <i>J. Janszky, A. Ebner, M. Mertens, C. Gyimesi, H. Jokeit, F.G. Woermann.....</i>	203
Cognitive side-effects of antiepileptic drugs <i>A.P. Aldenkamp, H.P. Bootsma</i>	217
Mood effects of antiepileptic drugs <i>B. Schmitz</i>	233
Can we expect a specific correlation between the type of partial epilepsy, etiology and neuropsychological deficits? <i>H. Jokeit, M. Schacher.....</i>	251
Restored cognitive functions: what can we expect following resective surgery? <i>I. Tuxhorn, H. Freitag, H. Holthausen.....</i>	265
Temporal lobe epilepsy in children and cognitive dysfunction: comprehensive methodologies for a comprehensive research and care <i>A. Arzimanoglou</i>	277