

EDITORIAL MESSAGE	.....	E1
MESSAGE FROM THE GUEST EDITOR	.....	S1
EDITORIAL		
Childhood stroke. Diagnostic and management challenges	.....	S2
MUSTAFA A. SALIH		
REVIEW ARTICLE		
Diagnostic approach and management strategy of childhood stroke	.....	S4
MUSTAFA A. SALIH, ABDEL-GALIL M. ABDEL-GADER		
ARTICLES		
Stroke in Saudi children. Epidemiology, clinical features and risk factors	.....	S12
M. A. SALIH, A. M. ABDEL-GADER, A. A. AL-JARALLAH, A. Y. KENTAB, I. A. ALORAINY, H. H. HASSAN, H. M. BAHAKIM, K. M. KURBAAN, J. N. ZAHRAA, M. N. AL-NASSER, A. A. NASIR, W. A. KHOJA, M. M. KABIRAJ		
Hematologic risk factors for stroke in Saudi children	.....	S21
M. A. SALIH, A. M. ABDEL-GADER, A. A. AL-JARALLAH, A. Y. KENTAB, I. A. ALORAINY, H. H. HASSAN, H. M. BAHAKIM, K. M. KURBAAN, J. N. ZAHRAA, W. R. MURSHID, M. A. EL-HAZMI, W. A. KHOJA		
Perinatal stroke in Saudi children. Clinical features and risk factors	.....	S35
M. A. SALIH, A. M. ABDEL-GADER, A. A. AL-JARALLAH, A. Y. KENTAB, I. A. ALORAINY, H. H. HASSAN, M. N. AL-NASSER		
Infectious and inflammatory disorders of the circulatory system as risk factors for stroke in Saudi children	.....	S41
M. A. SALIH, A. M. ABDEL-GADER, A. A. AL-JARALLAH, A. Y. KENTAB, M. O. GADELRAB, I. A. ALORAINY, H. H. HASSAN, J. N. ZAHRAA		
Congenital and genetic cerebrovascular anomalies as risk factors for stroke in Saudi children	.....	S53
M. A. SALIH, W. R. MURSHID, J. N. ZAHRAA, A. M. ABDEL-GADER, A. A. AL-JARALLAH, A. Y. KENTAB, I. A. ALORAINY, H. H. HASSAN, G. T. TJAN		
Cardiac diseases as a risk factor for stroke in Saudi children	.....	S61
M. A. SALIH, A. S. AL-JARALLAH, A. M. ABDEL-GADER, A. A. AL-JARALLAH, M. M. AL-SAADI, A. Y. KENTAB, I. A. ALORAINY, H. H. HASSAN		
Moyamoya syndrome as a risk factor for stroke in Saudi children. Novel and usual associations	.....	S69
M. A. SALIH, W. R. MURSHID, M. M. AL-SALMAN, A. M. ABDEL-GADER, A. A. AL-JARALLAH, I. A. ALORAINY, H. H. HASSAN, A. Y. KENTAB, L. VAN MALDERGEM, S. A. OTHMAN, M. I. EL-DESOUKI, E. A. ELGAMAL		

Contents



Stroke due to mitochondrial disorders in Saudi children M. A. SALIH, A. M. ABDEL-GADER, J. N. ZAHRAA, M. M. AL-RAYESS, I. A. ALORAINY, H. H. HASSAN, W. RUITENBEEK, M. ZEVIANI	S81
Outcome of stroke in Saudi children MUSTAFAA. SALIH, ABDEL-GALIL M. ABDEL-GADER, AHMED A. AL-JARALLAH, AMAL Y. KENTAB, MOHAMMED N. AL-NASSER	S91
CASE REPORTS	
Stroke from systemic vascular disorders in Saudi children. The devastating role of hypernatremic dehydration MUSTAFA A. SALIH, JIHAD N. ZAHRAA, AHMED A. AL-JARALLAH, IBRAHIM A. ALORAINY, HAMDY H. HASSAN	S97
Stroke from cervicocephalic arterial dissection in Saudi children MUSTAFAA. SALIH, AHMED A. AL-JARALLAH, MUSSAAD M. AL-SALMAN, IBRAHIM A. ALORAINY, HAMDY H. HASSAN	S103
Study project on stroke in Saudi children. Conclusions, recommendations and acknowledgments MUSTAFA A. SALIH, ABDEL-GALIL M. ABDEL-GADER, AHMED A. AL-JARALLAH	S108
AUTHOR INDEX	S111