Contents

Editorial
499 Immersive medical virtual reality: still a novelty or already a necessity?
T Leetscher, A M Barrett, M Billinghurst, B Lange

Multiple sclerosis
502 Spinal cord reserve in multiple sclerosis

511 Multiple sclerosis mortality in New Zealand: a nationwide prospective study
R Leadbetter, M MacAskill, D J Myall, B V Taylor, P Joshi, NZMSPS group, D F Mason

518 Gene–environment interactions increase the risk of paediatric-onset multiple sclerosis associated with household chemical exposures

526 Genetically determined serum serine level has a novel causal effect on multiple sclerosis risk and predicts disability progression

541 Plasma inflammation for predicting phenotypic conversion and clinical progression of autosomal dominant frontotemporal lobar degeneration

550 Molecules of senescent glial cells differentiate Alzheimer’s disease from ageing
L Dai, F Gao, Q Wang, X Lu, Z Cheng, Y Wu, X Chai, H Zetterberg, K Blennow, A I Levy, J Shi, Y Shen, On behalf of CANDI Consortium

Neuro-inflammation
560 Diagnostic value of intereye difference metrics for optic neuritis in aquaporin-4 antibody seropositive neuromyelitis optica spectrum disorders

Neurodegeneration
532 Prognostic biomarkers in prodromal α-synucleinopathies: DAT binding and REM sleep without atonia
D Kunz, S Stotz, J de Zeeuw, A Papakonstantinou, S Dünichen, M Halberceht, M Plesken, F Bes

Volume 94 Issue 7 | JNRP July 2023
Cerebrovascular disease
567 Long-term outcomes of moyamoya disease versus atherosclerosis-associated moyamoya vasculopathy using high-resolution MR vessel wall imaging
M Lu, H Zhang, S Liu, D Liu, P Peng, F Hao, F Yuan, Y Liu, F Sheng, L Zheng, X Zhao, Y He, C Han, J Cai

Occasional essay
581 Isolated rapid eye movement sleep behaviour disorder: clinical and research implications
A Stefani, C Trenkwalder, I Arnulf, D L Bliwise, B F Boeve, Y Inoue, A Iranzo, S JG Lewis, F Provini, C Schenck, G K Wenning, Y Kwok Wing, B Dogl, A Videnovic

Neurosurgery
575 Adverse events associated with microsurgical treatment for ruptured intracerebral aneurysms: a prospective nationwide study on subarachnoid haemorrhage in Sweden

PostScript
583 Letters