Supplementary Material S2

Table S1. Table to summarise included papers

Title	Journal	First Author	Year	Minimum follow up time	Follow up	Number of patients	Physical Outcome Measure	Cognitive Outcome Measure	Emotional Outcome Measure	Quality of Life Outcome Measure
Analysis of electroencephalogram characteristics of anti-NMDA receptor encephalitis patients in China	Clinical neurophysiology	Zhang, Y	2017	6 Months	Minimum 6 months, range 6-54 months	62	mRS			
Anti-NMDA receptor encephalitis: Case series and long term outcomes	Southeast Asian Journal of Tropical Medicine and Public Health	Chanvanichtrakool, M	2017	2.3 Years	Range 2.3 - 5.6 years	13	mRS			
Association of Progressive Cerebellar Atrophy with Long-term Outcome in Patients With Anti-N-Methyl-d-Aspartate Receptor Encephalitis.	JAMA neurology	Iizuka, T	2016	10 Months	Median 68 months (10-179 months)	15	mRS			
Can we differentiate between herpes simplex encephalitis	Journal of the Neurological Sciences	Kalita, J	2016	1 Year	1 year	137	mRS	MMSE		

and Japanese encephalitis?										
Cerebrospinal fluid markers of neuronal and glial cell damage to monitor disease activity and predict long-term outcome in patients with autoimmune encephalitis	European Journal of Neurology	Constantinescu, R	2016	9 Months	12 +/- 3 months	25	mRS			
Characteristics of Seizure and Antiepileptic Drug Utilization in Outpatients with Autoimmune Encephalitis.	Frontiers in neurology	Huang, Q	2018	14 Months	14-62 months	75	mRS			
Clinical characteristics and outcome of clinically diagnosed viral encephalitis in southwest China	Neurological Sciences	Zhao, L	2015	6 Months	6-53 months	1107	Glascow Outcome Score			EuroQoL-5D
Clinical Characteristics and Prognosis of Severe Anti-N-methyl-D-aspartate Receptor Encephalitis Patients.	Neurocritical Care	Zhang, Y	2018	6 Months	6-64 months	111	mRS			

Clinical outcome and life quality of patients after monophasic encephalitis	Infectious Diseases in Clinical Practice	Hahn, K	2010	6 Months	6-93 months	72	Adapted mRS		Beck Depression Inventory	Lancashire QoL profile
Clinical outcome of children presenting with a severe manifestation of acute disseminated encephalomyelitis	Neuropediatrics	Rostasy, K	2009	19 Months	19 months - 10 years 5 months	12	EDSS	KOPKIJ, HAWIK-III or HAWIVA-III, Visuospatial battery, K-ABC or KiTAP		
Depressive symptoms following herpes simplex encephalitis - an underestimated phenomenon?	General Hospital Psychiatry	Fazekas, C	2006	1 Year	1-11 years	26	Rankin scale,		WHO-5 Wellbeing index	SF-12
Dexamethasone in Herpes Simplex Virus Encephalitis Trial	International Clinical Trials Registry Platform	Stahl, J	2017	6 Month	6 months and 18 months	Protocol	mRS, GOS	Verbal memory score (WMS-IV), WMS-IV, WAIS-IV, trail making tests part A&B, Test of Premorbid Functioning (TOPF), percieved deficits	Beck Depression Index and Beck Anxiety Inventory	Euro-QoL-5D-5L, SF-36

								questionnaire		
Does dexamethasone improve outcomes in adults with HSV encephalitis?	International Clinical Trials Registry Platform	Davies, K	2016	26 Weeks	26 and 78 weeks	Protocol	GOS-E, mRS,	WMS-IV auditory memory index, WMS-IV, WAIS-IV, language module in neuropsychological assessment battery, trail making test parts A+B, percieved deficits questionnaire, ACE-III	Beck Depression Index and Beck Anxiety Inventory	Euro-QoL-5D-5L, SF-36,
Encephalitis due to Mycobacterium tuberculosis in France.	Medecine et maladies infectieuses	Honnorat, E	2013	3 Years	3 years	20	GOS			
Etiological associations and outcome predictors of acute electroencephalography in childhood encephalitis.	Clinical neurophysiology	Mohammad, SS	2016	2 Years	2.0–15.8 years	119				

Factors related to long term motor, behavioural and scholastic outcome in children with acute disseminated encephalomyelitis	Neurorehabilitation and Neural Repair	Iype, M	2018	1 Year	1-10 years	102	mRS, EDSS			
Factors underlying the development of chronic temporal lobe epilepsy in autoimmune encephalitis	Journal of the Neurological Sciences	Casciato, S	2019	12 Months	12-60 months	33	mRS	MMSE, MOCA, ACE	hamilton depression rating scale	
Features and prognostic value of quantitative electroencephalogram changes in critically ill and non-critically ill anti-NMDAR encephalitis patients: A pilot study	Frontiers in Neurology	Jiang, N	2018	12 Months	12 months	26	mRS			
Herpes simplex encephalitis treated with acyclovir: diagnosis and long term outcome.	Journal of neurology, neurosurgery, and psychiatry	McGrath, N	1997	6 Months	6months-11years	42	GOS			
Immunoglobulin in the teatment of encephalitis (IgNiTE): protocol for a	BMJ open	Iro, MA	2016	6 Months	6 and 12 months	Protocol	GOS-e Peds, Gross motor function	ABAS-II, Bayley Scales for Infant Development	Strength and difficulties	

multicentre randomised controlled trial							classification system,	(BSID-III)/Wechsler preschool and Primary Scale of Intelligence III (WPPSI-III)/ Wechsler Intelligence Scale for Children IV (WISC-IV)	questionnaire (SDQ)	
Infectious and Autoantibody-Associated Encephalitis: Clinical Features and Long-term Outcome.	Pediatrics	Pillai, SC	2015	1.1 Years	1.1-14.4 years range	164				
Isolated seizures are a common early feature of paraneoplastic anti-GABA(B) receptor encephalitis	Journal of Neurology	Maureille, A	2019	12 Months	12 and 24 months	22	mRS			
Long-Term Cognitive Outcomes in Patients with Autoimmune Encephalitis.	The Canadian journal of neurological sciences.	Hébert, J	2018	13 Months	13-182 months	21		MOCA		
Long-term outcome of patients presenting	Clinical Infectious Diseases	Mailles, A	2012	27 Months	27-40months	253	GOS	Informant questionnair		

with acute infectious encephalitis of various causes in France.								e on cognitive decline in the elderly		
Long-term outcome of severe herpes simplex encephalitis: a population-based observational study.	Critical Care	Jouan, Y	2015	1 Year	1 year	14	GOS			
Long-term outcomes and risk factors associated with acute encephalitis in children	Journal of the Pediatric Infectious Diseases Society	Rao, S	2017	1 Year	Minimum 1 year, Median 1.3 years	49				Pediatric Quality of Life Inventory (PedsQL)
Long-term prognosis of pediatric patients with relapsing acute disseminated encephalomyelitis	Journal of Child Neurology	Mar, S	2010	2 Years	2-23.1 years	33	EDSS			
Outcome of children with japanese encephalitis and predictors of outcome in southwestern China	Transactions of the Royal Society of Tropical Medicine and Hygiene	Ma, J	2013	6 Months	Minimum 6 months	87				
Outcomes of West Nile encephalitis patients after 1 year of West Nile encephalitis	Journal of Medical Virology	Balakrishnan, A	2016	12 Months	12 months	40		MMSE		

outbreak in Kerala, India: A follow-up study										
Predictors of outcome in HSV encephalitis	Neurology	Singh, TD	2016	41.4 Months	41.4-116.3 months	45	mRS			
Risk factors for mortality in patients with anti-NMDA receptor encephalitis.	Acta neurologica Scandinavica	Chi, X	2017	7 Months	7-57 months	96	mRS		Zung depression scale, (ZDS) and Zung anxiety scale (ZAS)	
Seizure outcomes in patients with anti-NMDAR encephalitis: A follow-up study	Epilepsia	Liu, X	2017	6 Months	6-60 months	109	National Hospital Seizure Severity Scale, mRS			
Status epilepticus as a risk factor for postencephalitic parenchyma loss evaluated by ventricle brain ratio measurement on MR imaging	American Journal of Neuroradiology	Herrmann, EK	2006	6 Months	6–84 months (median, 35 months; lower quartile, 12.3; upper quar- tile, 57; mean,	40	mRS adapted for encephalitis			

					36.9; SD, 23.9).					
Status epilepticus associated with acute encephalitis: long-term follow-up of functional and cognitive outcomes in 72 patients	European Journal of Neurology	Chen, W	2018	12 Months	12 months	72	mRS, ADL	Telephone Interview for Cognitive Status (TICS-M)		
Tocilizumab in Autoimmune Encephalitis Refractory to Rituximab: An Institutional Cohort Study.	Neurotherapeutics	Lee, WJ	2016	9 Months	21.1 +/- 9.2 months (minimum 9 months)	91	mRS			

ABAS – Adaptive Behaviour Assessment System**, ACE-III** - addenbrookes cognitive assessment, **ADL** – Activities of Daily Living**, BAI** – Beck Anxiety Inventory, **BDI** – Beck Depression Inventory, **BSID** - Bayley Scales for Infant Development, **EQ-5D** - European 5-deimentional health scale, **EDSS** - Expanded Disability Status Scale**, GMFCS** - Gross motor function classification system, **GOS** – Glasgow Outcome Scale, **GOS-E** - Glasgow Outcome Scale Extended, **HAWIK** - Hamburg Wechsler Intelligence Tests for Children, **HDRS** - Hamilton Depression Rating Scale, **HOWIVA** - Hannover–Wechsler Intelligence Scale for Preschool Children, **IQCODE** - Informant questionnaire on cognitive decline in the elderly, , **K-ABC** - Kaufman Assessment Battery for Children, **KiTAP** - Test of Attentional Performance for Children, **KOPKIJ** - kognitive probleme bei Kindren und Jegendlichen, **LOS** - Liverpool outcome score, **MMSE** – Mini Mental State Examination, **MOCA** – Montreal Cognitive Assessment, **mRS** – Modified Ranking Scale, **NAB** – Neuropsychological Assessment Battery **NHS3** - National Hospital Seizure Severity Scale, **PedsQL** - Pediatric Quality of Life Inventory, **SDQ** - strength and difficulties questionnaire, **SF-12/36** – Short Form 12/36, **TICS-M** - Telephone Interview for Cognitive Status, **TOPF** – Test of Premorbid functioning, **WAIS** - Wechsler Adult Intelligence Scale, **WISC-IV** - Wechsler Intelligence Scale for Children, **WMS** - Wechsler Memory Scale, **WPPSI-III** - Wechsler preschool and Primary Scale of Intelligence III, **ZAS** – Zung Anxiety Scale, **ZDS** – Zung Depression Scale.