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# Clinical Neurophysiology

## Article-Assessment Program Article List

Updated: January 2026

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## Topic 1 - EEG and Epilepsy

	Author	Title	Journal	Edition	Cost	Professionalism?
1	Fernandez-Baca Vaca G, Park JT	<a href="#"><u>Focal EEG abnormalities and focal ictal semiology in generalized epilepsy</u></a>	Seizure	2020;77:7-14	No cost	
2	Pelliccia V, Avanzini P, Rizzi M, et al	<a href="#"><u>Association Between Semiology and Anatomic-functional Localization in Patients With Cingulate Epilepsy: A Cohort Study</u></a>	Neurology	2022;98(22):e2211-e2223	Purchase May Be Required	
3	Hernandez-Ronquillo L, Thorpe L, Feng C, et al	<a href="#"><u>Diagnostic Accuracy of Ambulatory EEG vs Routine EEG in Patients With First Single Unprovoked Seizure</u></a>	Neurol Clin Pract	2023;13(3):e200160	Purchase May Be Required	
4	Edmonds B, Miyakoshi M, Gianmaria Remore L, et al	<a href="#"><u>Characteristics of ictal thalamic EEG in pediatric-onset neocortical focal epilepsy</u></a>	Clin Neurophysiol	2023;154:116-125	No cost	
5	Devinsky O, Elder C, Sivathamboo S, Scheffer IE, Koeppe MJ	<a href="#"><u>Idiopathic Generalized Epilepsy: Misunderstandings, Challenges, and Opportunities</u></a>	Neurology	2024;102(3):e208076	No cost	
6	Sivaraju A, Tao A, Jadav R, et al	<a href="#"><u>Antiseizure Medication Withdrawal, Risk of Epilepsy, and Longterm EEG Trends in Acute Symptomatic Seizures or Epileptic EEG Patterns</u></a>	Neurol Clin Pract	2024 Dec;14(6):e200342	Purchase May Be Required	

## Topic 2 - EEG monitoring (ICU-EEG, Video EEG, ambulatory)

	Author	Title	Journal	Edition	Cost	Professionalism?
1	Misirocchi F, Zilioli A, Mannini E, et al	<a href="#"><u>Prognostic value of Salzburg nonconvulsive status epilepticus criteria: the SACE score</u></a>	Epilepsia	2024;65(1):138-147	No cost	
2	Zehtabchi S, Silbergleit R, Chamberlain JM, et al	<a href="#"><u>Electroencephalographic Seizures in Emergency Department Patients After Treatment for Convulsive Status Epilepticus</u></a>	J Clin Neurophysiol	2022;39(6):441-445	Purchase May Be Required	
3	Kaleem S, Swisher CB	<a href="#"><u>Utility of Quantitative EEG for Seizure Detection in Adults</u></a>	J Clin Neurophysiol	2022;39(3):184-194	Purchase May Be Required	
4	Ruijter BJ, Keijzer HM, Tjepkema-Cloostermans MC, et al	<a href="#"><u>Treating Rhythmic and Periodic EEG Patterns in Comatose Survivors of Cardiac Arrest</u></a>	N Engl J Med	2022;386(8):724-734	No cost	
5	Oh A, Wusthoff CJ, Kim H	<a href="#"><u>Continuous Electroencephalogram Use and Hospital Outcomes in Critically Ill Children</u></a>	J Clin Neurophysiol	2024 May 1;41(4):291-296	Purchase May Be Required	
6	Snider SB, Fong MWK, Nolan NM, et al	<a href="#"><u>Clinical and Electroencephalographic Predictors of Seizures and Status Epilepticus in 12,450 Critically Ill Adults: A Retrospective Cohort Study</u></a>	Crit Care Med	2023 Aug 1;51(8):1001-1011	Purchase May Be Required	

## Topic 3 - EEG for other indications or disease states

	Author	Title	Journal	Edition	Cost	Professionalism?
1	Pittet MP, Marini D, Ly L, et al	<a href="#"><u>Prevalence, Risk Factors, and Impact of Preoperative Seizures in Neonates With Congenital Heart Disease</u></a>	J Clin Neurophysiol	2022;39(7):616-624	Purchase May Be Required	
2	Grigg-Damberger MM, Hussein O, Kulik T	<a href="#"><u>Sleep Spindles and K-Complexes Are Favorable Prognostic Biomarkers in Critically Ill Patients</u></a>	J Clin Neurophysiol	2022;39(5):372-382	Purchase May Be Required	
3	Bronder J, Cho SM, Geocadin RG, et al	<a href="#"><u>Revisiting EEG as part of the multidisciplinary approach to post-cardiac arrest care and prognostication: A review</u></a>	Resusc Plus	2021;9:100189	No cost	
5	Alaimo H, Geller E, Mahalingam R, et al	<a href="#"><u>Ictal EEG in patients with autistic spectrum disorder and epilepsy</u></a>	Epilepsy Res	2020 Dec;168:10648-2	Purchase May Be Required	
6	Vellieux G, Apartis E, Baudin P, et al	<a href="#"><u>Multimodal Assessment of the Origin of Myoclonus in Lance-Adams Syndrome</u></a>	Neurology	2024 Dec 10;103(11):e209994	Purchase May Be Required	

## Topic 4 - EMG/NCS in peripheral nerve disorders

	Author	Title	Journal	Edition	Cost	Professionalism?
1	Fang X, Yu M, Zheng D, Gao H, Li W, Ma Y	<a href="#">Electrophysiologic Characteristics of Nitrous-Oxide-Associated Peripheral Neuropathy: A Retrospective Study of 76 Patients</a>	J Clin Neurol	2023;19(1):44-51	No cost	
2	van Doorn PA, Van den Bergh PYK, Hadden RDM, et al	<a href="#">European Academy of Neurology/Peripheral Nerve Society Guideline on diagnosis and treatment of Guillain-Barré syndrome</a>	Eur J Neurol	2023;30(12):3646-3674	No cost	
3	Pelosi L, Arányi Z, Beekman R, et al	<a href="#">Expert consensus on the combined investigation of carpal tunnel syndrome with electrodiagnostic tests and neuromuscular ultrasound</a>	Clin Neurophysiol	2022;135:107-116	No cost	
4	Sanghani N, Claytor B, Li Y	<a href="#">Electrodiagnostic findings in amyotrophic lateral sclerosis: Variation with region of onset and utility of thoracic paraspinal muscle examination</a>	Muscle Nerve	2024;69(2):172-178	No cost	
5	Davalos L, Watanabe M, Gallagher GW, et al	<a href="#">Diagnostic characteristics of nerve conduction study parameters for vasculitic neuropathy</a>	Muscle Nerve	2023;67(1):45-51	No cost	
6	Devigili G, Lombardi R, Lauria G, Cazzato D	<a href="#">The Evolving Landscape of Small Fiber Neuropathy</a>	Semin Neurol	2025 Feb;45(1):132-144	No cost	
7	Hearn SL, Stino AM, Howard IM, et al	<a href="#">Serial electrodiagnostic testing: Utility and indications in adult neurological disorders</a>	Muscle Nerve	2024 Jun;69(6):670-681	Purchase May Be Required	

## Topic 5 - EMG/NCS in muscle disease, cramp/dystonia disorders

	Author	Title	Journal	Edition	Cost	Professionalism?
1	Periviita V, Jokela M, Palmio J, Udd B	<a href="#"><u>A retrospective study of accuracy and usefulness of electrophysiological exercise tests</u></a>	J Neurol	2024;271(4):1802-1812	No cost	
2	Khadilkar SV, Pandya DC, Dhonde P, et al	<a href="#"><u>Acquired hyperexcitable peripheral nerve disorders: Clinical and laboratory features, therapeutic responses, and long-term follow-up</u></a>	Muscle Nerve	2024;69(1):48-54	Purchase May Be Required	
3	Rubin DI	<a href="#"><u>Needle Electromyography Waveforms During Needle Electromyography</u></a>	Neurol Clin	2021;39(4):919-938	Purchase May Be Required	
4	Pinto MV, Laughlin RS, Klein CJ, et al	<a href="#"><u>Inclusion body myositis: correlation of clinical outcomes with histopathology, electromyography and laboratory findings</u></a>	Rheumatology	2022;61(6):2504-2511	No cost	
5	Jackson DG, Case LE, Huggins E, et al	<a href="#"><u>Muscle ultrasound in patients with late-onset Pompe disease identified by newborn screening</u></a>	Mol Genet Metab Rep	2023 Jul 5;36:100989	No cost	
6	Skolka MP, Milone M, Litchy WJ, et al	<a href="#"><u>The utility of electrodiagnostic testing in unprovoked rhabdomyolysis in the era of next-generation sequencing</u></a>	Muscle Nerve	2024 Aug;70(2):180-186	Purchase May Be Required	

## Topic 6 - EMG/NCS in NMJ disorders

	Author	Title	Journal	Edition	Cost	Professionalism?
1	Raja SM	<a href="#"><u>Lambert-Eaton Myasthenic Syndrome and Botulism</u></a>	Continuum (Minneapolis)	2022;28(6):159 6-1614	Purchase May Be Required	
2	Stojkovic T, Masingue M, Turmel H, et al	<a href="#"><u>Diagnostic yield of a practical electrodiagnostic protocol discriminating between different congenital myasthenic syndromes</u></a>	Neuromuscul Disord	2022;32(11- 12):870-878	Purchase May Be Required	
3	Sanders DB, Kouyoumdjian JA, Stålberg EV	<a href="#"><u>Single fiber electromyography and measuring jitter with concentric needle electrodes</u></a>	Muscle Nerve	2022;66(2):118 -130	Purchase May Be Required	
4	Yoganathan K, Stevenson A, Tahir A, Sadler R, Radunovic A, Malek N	<a href="#"><u>Bedside and laboratory diagnostic testing in myasthenia</u></a>	J Neurol	2022;269(6):33 72-3384	No cost	
5	Khoo A, Hay Mar H, Borghi MV, Catania S	<a href="#"><u>Electrophysiologic evaluation of myasthenia gravis and its mimics: real-world experience with single-fiber electromyography</u></a>	Hosp Pract (1995)	2022 Dec;50(5):373- 378	Purchase May Be Required	
6	Skolka M, Lamb CJ, Rubin DI, et al	<a href="#"><u>Electrodiagnostic Characteristics Suggestive of Muscle-Specific Kinase Myasthenia Gravis</u></a>	Neurol Clin Pract	2022 Jun;12(3):211- 217	Purchase May Be Required	

## Topic 7 - EP/NIOM

	Author	Title	Journal	Edition	Cost	Professionalism?
1	Benghanem S, Nguyen LS, Gavaret M, et al	<a href="#"><u>SSEP N20 and P25 amplitudes predict poor and good neurologic outcomes after cardiac arrest</u></a>	Ann Intensive Care	2022;12(1):25	No cost	
2	You H, Qiao H	<a href="#"><u>Intraoperative Neuromonitoring During Resection of Gliomas Involving Eloquent Areas</u></a>	Front Neurol	2021;12:658680	No cost	
3	Reddy RP, Chang R, Rosario BP, et al	<a href="#"><u>What is the predictive value of intraoperative somatosensory evoked potential monitoring for postoperative neurological deficit in cervical spine surgery?: a meta-analysis</u></a>	Spine J	2021;21(4):555-570	Purchase May Be Required	
4	Zelenski NA, Oishi T, Shin AY	<a href="#"><u>Intraoperative Neuromonitoring for Peripheral Nerve Surgery</u></a>	J Hand Surg Am	2023;S0363-5023(22)00724-9	No cost	
5	Gu F, Yang X, Wang Z, et al	<a href="#"><u>Diagnostic accuracy of intraoperative brainstem auditory evoked potential for predicting hearing loss after vestibular schwannoma surgery</u></a>	Front Neurol	2022;13:1018324	No cost	
6	Kramer S, Ford L, Walsh J	<a href="#"><u>Neuromonitoring Changes in Spinal Deformity Surgery</u></a>	Orthop Clin North Am	2024 Jan;55(1):89-99	Purchase May Be Required	

## Topic 8 - Sleep/Autonomic testing/NIBS/MEG/Neuromuscular ultrasound/Movement disorders/Other

	<b>Author</b>	<b>Title</b>	<b>Journal</b>	<b>Edition</b>	<b>Cost</b>	<b>Professionalism?</b>
<b>1</b>	Eldaief MC, Dickerson BC, Camprodon JA	<a href="#"><u>Transcranial Magnetic Stimulation for the Neurological Patient: Scientific Principles and Applications</u></a>	Semin Neurol	2022;42(2):149-157	No cost	
<b>2</b>	Stowe RC, Afolabi-Brown O	<a href="#"><u>Pediatric polysomnography: a review of indications, technical aspects, and interpretation</u></a>	Paediatr Respir Rev	2020;34:9-17	Purchase May Be Required	
<b>3</b>	Vial F, Merchant SHI, McGurrin P, et al	<a href="#"><u>How to Do an Electrophysiological Study of Myoclonus</u></a>	J Clin Neurophysiol	2023;40(2):93-99	Purchase May Be Required	
<b>4</b>	Boon AJ, Litchy WJ	<a href="#"><u>Electrodiagnostic and ultrasound evaluation of respiratory weakness</u></a>	Muscle Nerve	2024;69(1):18-28	Purchase May Be Required	
<b>5</b>	Bergmann M, Högl B, Stefani A	<a href="#"><u>Clinical neurophysiology of REM parasomnias: Diagnostic aspects and insights into pathophysiology</u></a>	Clin Neurophysiol Pract	2024;9:53-62	No cost	
<b>6</b>	Coenen J, Reinsberger C	<a href="#"><u>Neurophysiological Markers to Guide Return to Sport After Sport-Related Concussion</u></a>	J Clin Neurophysiol	2023 Jul 1;40(5):391-397	Purchase May Be Required	

## Topic 9 - Systems based practice (guidelines, etc.)

	Author	Title	Journal	Edition	Cost	Professionalism?
1	Doneddu PE, De Lorenzo A, Manganelli F, et al	<a href="#"><u>Comparison of the diagnostic accuracy of the 2021 EAN/PNS and 2010 EFNS/PNS diagnostic criteria for chronic inflammatory demyelinating polyradiculoneuropathy</u></a>	J Neurol Neurosurg Psychiatry	2022;93(12):1239-1246	No cost	
2	Dilena R, Raviglione F, Cantalupo G, et al	<a href="#"><u>Consensus protocol for EEG and amplitude-integrated EEG assessment and monitoring in neonates</u></a>	Clin Neurophysiol	2021;132(4):886-903	No cost	
3	Glass HC, Numis AL, Comstock BA, et al	<a href="#"><u>Association of EEG Background and Neurodevelopmental Outcome in Neonates With Hypoxic-Ischemic Encephalopathy Receiving Hypothermia</u></a>	Neurology	2023;101(22):e2223-e2233	Purchase May Be Required	
4	Punia V, Burgess R, Newey CR, et al	<a href="#"><u>Seizure Risk in Patients Undergoing 30-Day Readmission After Continuous EEG Monitoring</u></a>	J Clin Neurophysiol	2022;39(3):216-221	Purchase May Be Required	
5	Admiraal MM, Backman S, Annborn M, et al	<a href="#"><u>Electrographic and Clinical Determinants of Good Outcome After Postanoxic Status Epilepticus</u></a>	Neurology	2025 Mar 11;104(5):e210304	No cost	
6	Wardrope A, Blank L, Ferrar M, et al	<a href="#"><u>'It is just a big question mark': a qualitative interview study of patient experiences of the initial assessment of transient loss of consciousness</u></a>	BMJ Open	2025 Mar 4;15(3):e098045	No cost	Yes

## Topic 10 - Basic Neurophysiology and Technical Aspects/Safety

	Author	Title	Journal	Edition	Cost	Professionalism?
1	Peltola ME, Leitinger M, Halford JJ, et al	<a href="#">Routine and sleep EEG: Minimum recording standards of the International Federation of Clinical Neurophysiology and the International League Against Epilepsy</a>	Clin Neurophysiol	2023;147:108-120	No cost	
2	Dumitru D, Nandedkar SD, Barkhaus PE	<a href="#">Volume conduction: Extracellular waveform generation in theory and practice</a>	Muscle Nerve	2023;67(6):439-455	Purchase May Be Required	
3	Tveit J, Aurlien H, Plis S, et al	<a href="#">Automated Interpretation of Clinical Electroencephalograms Using Artificial Intelligence</a>	JAMA Neurol	2023;80(8):805-812	No cost	
4	Acharya JN, Acharya VJ	<a href="#">Overview of EEG Montages and Principles of Localization</a>	J Clin Neurophysiol	2019 Sep;36(5):325-329	Free to Professional Society Members	
5	Arya R, Baumer FM, Chauvel P, et al	<a href="#">American Clinical Neurophysiology Society Technical Standards for Electrical Stimulation With Intracranial Electrodes for Functional Brain Mapping and Seizure Induction</a>	J Clin Neurophysiol	2025;42(3):190-200	Purchase May Be Required	
6	Dumitru D, Barkhaus PE, Nandedkar SD	<a href="#">Electrical Interference in Clinical Practice: A Conceptual and Practical Approach</a>	Muscle Nerve	2025 Mar;71(3):317-342	Purchase May Be Required	

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