Epilepsy and EEG in Clinical Practice Online

Activity Description
This course is intended for neurologists, physicians in internal medicine, family practice and general practice physicians, pediatricians, physician assistants, nurses and allied health professionals involved in the care of patients with seizures and epilepsy.

Target Audience
This course is intended for neurologists, physicians in internal medicine, family practice and general practice physicians, pediatricians, physician assistants, nurses and allied health professionals involved in the care of patients with seizures and epilepsy.

Learning Objectives
Upon conclusion of this activity, participants should be able to:

• Discuss common errors when treating children and young adults with recurrent spells
• Describe the challenges associated with the diagnosis and management of seizures in patients with and without epilepsy
• Recognize the gaps in treatment that exist for adults with recurrent attacks when medication fails to provide control
• Discuss the impact of misdiagnoses in the treatment of epilepsy
• Recognize common normal variations in EEG including the benign variants that may be misleading
• Identify when to use different techniques in recording and monitoring patients with seizures
• Recognize the impact of video-EEG monitoring in the diagnosis and treatment of patients with recurrent seizures and attacks that are resistant to medication
• Compare treatment strategies for refractory seizure disorders

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Accreditation Statement
In support of improving patient care, Mayo Clinic College of Medicine and Science is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC) to provide continuing education for the healthcare team.

Credit Statement(s)
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Mayo Clinic College of Medicine and Science designates this live activity for a maximum of 14.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

ANCC
Mayo Clinic College of Medicine and Science designates this live activity for a maximum of 14.75 ANCC nursing contact hours. Nurses should claim only the credit commensurate with the extent of their participation in the activity.

Other Healthcare Professionals
A record of attendance will be provided to all registrants for requesting credits in accordance with state nursing boards, specialty societies or other professional associations.

**Disclosure Summary**

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*Listed below are individuals with control of the content of this program who have disclosed...*

**Relevant financial relationship(s) with industry:**

<table>
<thead>
<tr>
<th>Name</th>
<th>Relationship(s)</th>
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| Brian N. Lundstrom, M.D., Ph.D. | Consultant Medtronic, Inc. and Philips, Inc.  
Grant/Research Support Principal investigator for the Medronic Deep Brain Stimulation Therapy for Epilepsy Post-Approval Study (EPAS).  
Other: Inventor Intellectual property licensed to Cadence Neuroscience Inc., which is co-owned by Mayo Clinic. Waived contractual rights to royalties. |
| Anthony L. Ritaccio, M.D. | Consultant Guger Technologies  
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Other: Data Monitoring Safety Board Gore, Medtronic |
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Grant/Research Support International League Against Epilepsy (Task Force) Grants: Esai, Mayo Clinic  
Honorarium Industry support: Syneos, Xenon, LivaNova, Engage  
Other: Stipend Stipend, Elsevier, Editor-in-Chief Epilepsy Behavior Reports Royalties: Demos, Springer, Cambridge |
| Gregory A. Worrell, M.D., Ph.D. | Stock Shareholder (self-managed) NeuroOnc, Inc. |

**No relevant financial relationship(s) with industry:**

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References to off-label and/or investigational usage(s) of pharmaceuticals or instruments in their presentation:

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Summit RC+S  
UNEEG  
SubQ Subscalp Electrode

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Multiple  
methylprednisolone (for autoimmune encephalitis)  
intravenous IgG (for autoimmune encephalitis)  
rituximab (for autoimmune encephalitis)  
Genentech  
tocilizumab (for new onset refractory status epilepticus)  
Multiple  
buccal lorazepam, diazepam, midazolam (treatment for acute repetitive seizures)  
intranasal midazolam via nasal nebulizer (treatment for acute repetitive seizures)  
Epilog  
Epitel  
Biovotion  
Everion

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Deep brain stimulation for epilepsy

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Prerequisites for Participation
There are no prerequisites needed prior to participating in this education activity.

Method of Participation
Participation in this activity consists of reviewing the educational material, completing the learner assessment and evaluation.

How to Obtain Credit
To obtain credit, complete the assessment, evaluation and submit.

Release and Expiration Dates*
Release Date: 2/5/2021
Expiration Date: 2/5/2024

Acknowledgement of Commercial Support
No commercial support was received in the production of this activity.

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Bibliographic Resources
Bibliographic resources are provided within the activity.

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