

Online CME-Certified Expert Panel Discussion Improves Awareness Among Neurologists Regarding Seizure Freedom in Patients With Epilepsy

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Annual Meeting

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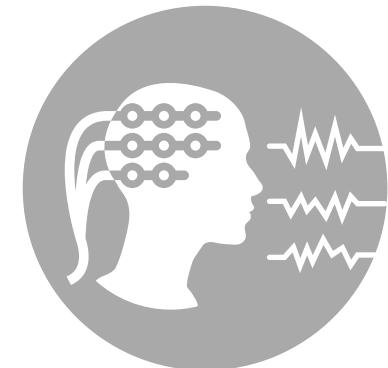
Presentation #011

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BACKGROUND

Epilepsy affects approximately 3.4 million people in the United States, with approximately a third of patients having focal epilepsy.^{1,2} It is associated with significant impairments in cognitive, psychological, and social functioning, as well as increased risk of death.³⁻⁵ Despite the wide array of antiseizure medications (ASMs), an estimated 20% to 40% of patients with epilepsy do not attain satisfactory seizure control.^{6,7} Approximately half of patients with epilepsy experience adverse effects from their AED regimen, with negative effects on overall health and mental health status and quality of life.^{2,8} When treatment is not effective or well tolerated, many neurologists are challenged to determine the optimal subsequent ASM.^{9,10} An online CME-certified activity was developed to educate neurologists on the importance of achieving seizure freedom and clinical data on seizure freedom for ASMs, particularly among patients considered refractory to treatment.



METHODS



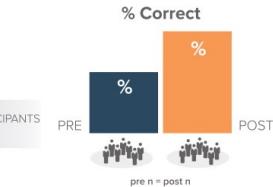
Neurologists
(n = 133)

This online educational activity was presented in a 30-minute video-based discussion format between 3 clinician experts on the topic of the selection of ASMs in people with poorly controlled focal epilepsy. Data were collected between April 6, 2022 and June 29, 2022.¹¹

How to Read the Linked Learner Assessment

OUTCOMES COMPLETERS

Each individual completed BOTH the pre and post-education questions
SAME individuals pre and post-education



LINKED LEARNER

Each individual tracked pre and post-education
Learners serve as their own controls

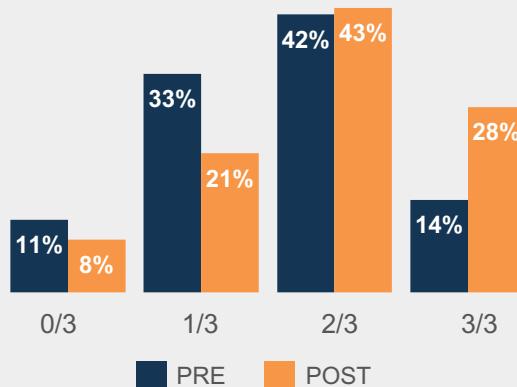


OVERALL
IMPROVED
answers at least one more question correctly
REINFORCED
answers the same number of questions correctly pre/post
NEED EDUCATION
answers no questions correctly at post or fewer than at pre

RESULTS

Neurologists (n = 133)

TOTAL CORRECT RESPONSES



MCNEMAR'S CHI-SQUARE TEST

P <.001

COHEN'S d

0.34

EFFECT SIZE

< .20

.20 - .49

.5 - .79

≥0.80

EDUCATIONAL IMPACT

MODEST

SMALL

MODERATE

LARGE

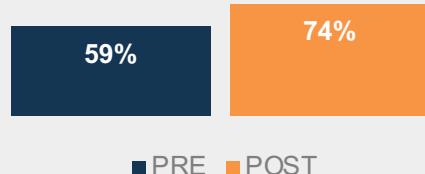
RESULTS (continued)

QUESTION 1 RESULTS

Greater knowledge of the consequences of not achieving seizure freedom in patients with epilepsy

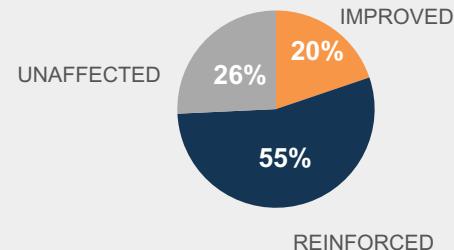
Neurologists (n = 133)

AGGREGATED RESULTS



$P < .001$

LINKED LEARNING RESULTS



Which of the following consequences has been observed in patients who do not achieve seizure freedom?

(Correct answer: High risk of sudden unexpected death in epilepsy (SUDEP), with risk highest in patients with tonic-clonic seizures)

RESULTS (continued)

QUESTION 2 RESULTS

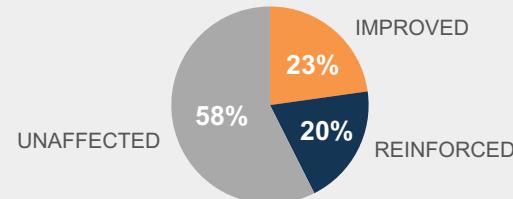
Greater knowledge of seizure freedom rates associated with an FDA-approved ASM

Neurologists (n = 133)

AGGREGATED RESULTS



LINKED LEARNING RESULTS



$P < .05$

In clinical trials of cenobamate that assessed patients with treatment refractory focal seizures, what seizure freedom rate was observed with this agent? (Correct answer: > 20%)

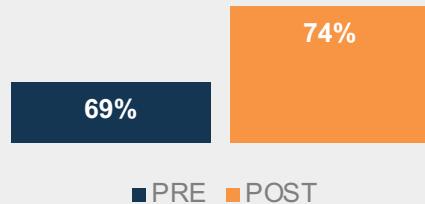
RESULTS (continued)

QUESTION 3 RESULTS

Numeric improvement in neurologist awareness of dosing changes when a new ASM is added to an ongoing ASM

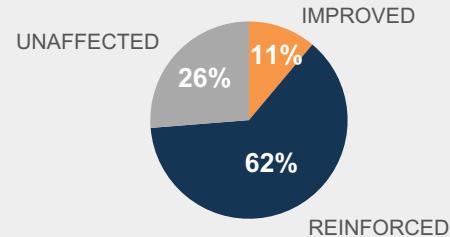
Neurologists (n = 133)

AGGREGATED RESULTS



$P = .221$

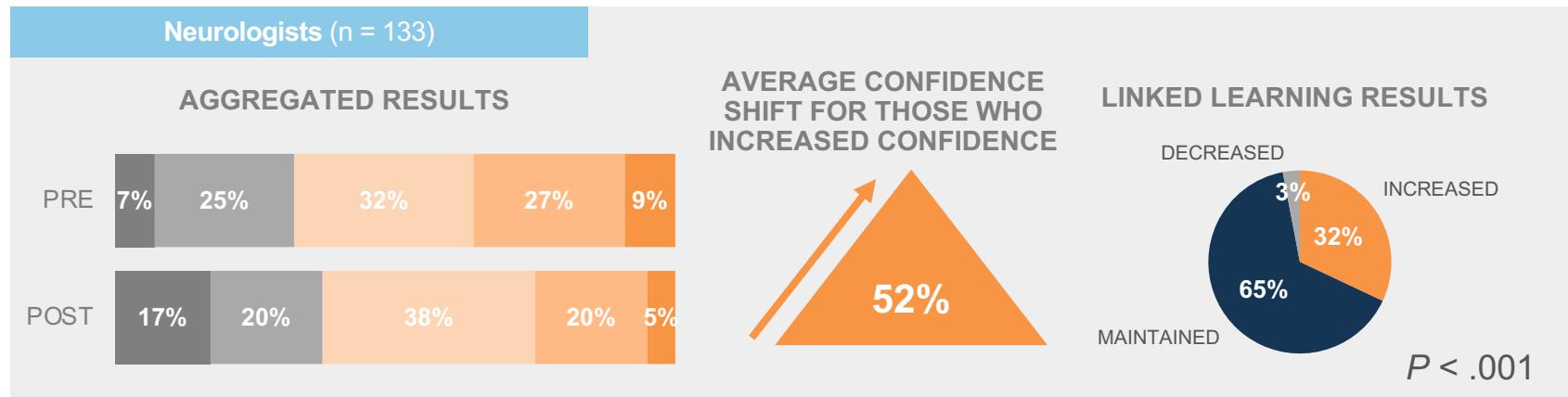
LINKED LEARNING RESULTS



When adding on a new approved antiseizure medication (ASM), which of the following strategies can be used to reduce the occurrence of adverse events (AEs)? (Correct answer: Start new ASM at a low dose and dose reduce concomitant ASMs as new ASM is titrated to target dose)

RESULTS (continued)

SELF EFFICACY RESULTS



How confident are you right now in your ability to manage nAMD and diabetic eye disease over the long-term?
(Select ranking from 1 [Not confident] to 5 [Very confident])

CONCLUSIONS

Neurologist participation in this, 3-faculty CME-certified on program maximizing seizure freedom demonstrated improvement in knowledge and confidence in several areas. The program was successful in achieving the following:

- Awareness of consequences of uncontrolled seizures
- Awareness of seizure freedom data pertaining to cenobamate
- Greater confidence in the selection of appropriate doses of ASMs to improve the probability of achieving seizure freedom

The outcomes data showed a numeric but not statistically significant improvement in the knowledge of how to approach dosage adjustments when a new ASM is added onto a current treatment regimen. Future education should continue to address strategies for dosing changes in the setting of combination ASM treatment for patients with epilepsy.

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