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Evaluation of TreatmentEffects on Patientswith Sleep Related Breathing Disordersand Epilepsy Comorbidity

ABSTRACT

This study investigated the relationship between epilepsy and sleep-related breathing disorders (SBDs) by comparing patients with primary snoring-epilepsy (PrS-E) and severe obstructive sleep apnea-epilepsy (OSAS-E). It retrospectively analyzed data from 2006 to 2022, examining seizure characteristics, EEGs, and antiseizure drug (ASD) use before and after SBD treatment. Results showed that treating SBDs led to reduced seizure frequency and severity, improved EEG findings, and allowed for reduced ASD dosages. Sleep quality, snoring, and daytime sleepiness also improved. The study highlights the mutual benefits of treating SBDs in epilepsy management and emphasizes the need to screen for both conditions in affected patients.

