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Case Report



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Therapeutic Augmentation of Ketogenic Diet with a Sodium-Glucose Cotransporter 2 Inhibitor in a Super-Refractory Status Epilepticus Patient

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Case Report

Abstract

Background: A ketogenic diet (KD) may have a role in treating patients in super-refractory status epilepticus (SRSE). Sodium-glucose cotransporter 2 (SGLT2) inhibitors have a risk of ketoacidosis that could facilitate induction of KD.

Case Summary: A 42-year-old with a history of drug resistant epilepsy developed SRSE requiring several pharmacological interventions during her hospital course including the initiation of KD that failed. SGLT2 inhibitor therapy was initiated in an attempt to augment ketone production.

Conclusion: SGLT2 inhibitors may have a therapeutic value in SRSE patients who cannot achieve ketosis with KD alone.

Keywords

Ketogenic diet, Ketosis, Ketoacidosis, Status epilepticus, Refractory status epilepticus, Super-refractory status epilepticus, Sodium-glucose cotransporter 2 inhibitor, Epilepsy, Seizure, Pentobarbital

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