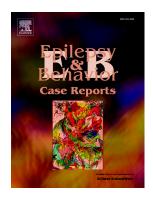
Accepted Manuscript

Case Report



PII: S2213-3232(18)30052-5

DOI: doi:10.1016/j.ebcr.2018.05.002

Reference: EBCR 273

To appear in: Epilepsy & Behavior Case Reports

Received date: 26 April 2018 Revised date: 18 May 2018 Accepted date: 29 May 2018

Please cite this article as: , Case Report. Ebcr (2018), doi:10.1016/j.ebcr.2018.05.002

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ACCEPTED MANUSCRIPT

Therapeutic Augmentation of Ketogenic Diet with a Sodium-Glucose Cotransporter 2 Inhibitor in a Super-Refractory Status Epilepticus Patient Joseph R. Blunck, Joseph W. Newman, Ronald K. Fields, John E. Croom

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, Superrefractory status epilepticus, Sodium-glucose cotransporter 2 inhibitor, Epilepsy, Seizure, Pentobarbital

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