

**Marita John, Class 2024**

**Campus:** Baylor Scott and White, Temple, TX

**Research Area:** Super Refractory Status Epilepticus Treatment Options

**Mentor:** Batool Kirmani, MD, FAAN, FAES

**Launch Talks:** April 2022

Marita John is a medical student at the School of Medicine who is co-writing a review on Super Refractory Status Epilepticus (SRSE) under the guidance of [Batool Kirmani, MD, FAAN, FAES](#), Affiliated Clinical Professor at Texas A&M University School of Medicine and Director of the CHI St. Joseph Health Epilepsy and Functional Neurosurgery Program. Super Refractory Status Epilepticus patients have seizures-like activities that persist after 24 hours of use of anesthetic agents or relapse when trying to withdraw from this treatment. SRSE is a serious condition with a mortality rate between 30 and 50%. Furthermore, these patients are at risk for neuronal injury as a result of failure of medications to terminate seizures. Their review focuses on current therapeutic approaches for SRSE, the outstanding challenges, and the prognosis with a final discussion of future directions of SRSE such as having a comprehensive meta-analysis of prognostic factors and having trials comparing newer therapies to treat this condition.