# Tuberous Sclerosis Complex: A retrospective clinical review with a focus on epilepsy

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#### **Introduction**

Epilepsy in Tuberous Sclerosis Complex (TSC) usually begins early and is often difficult to control.

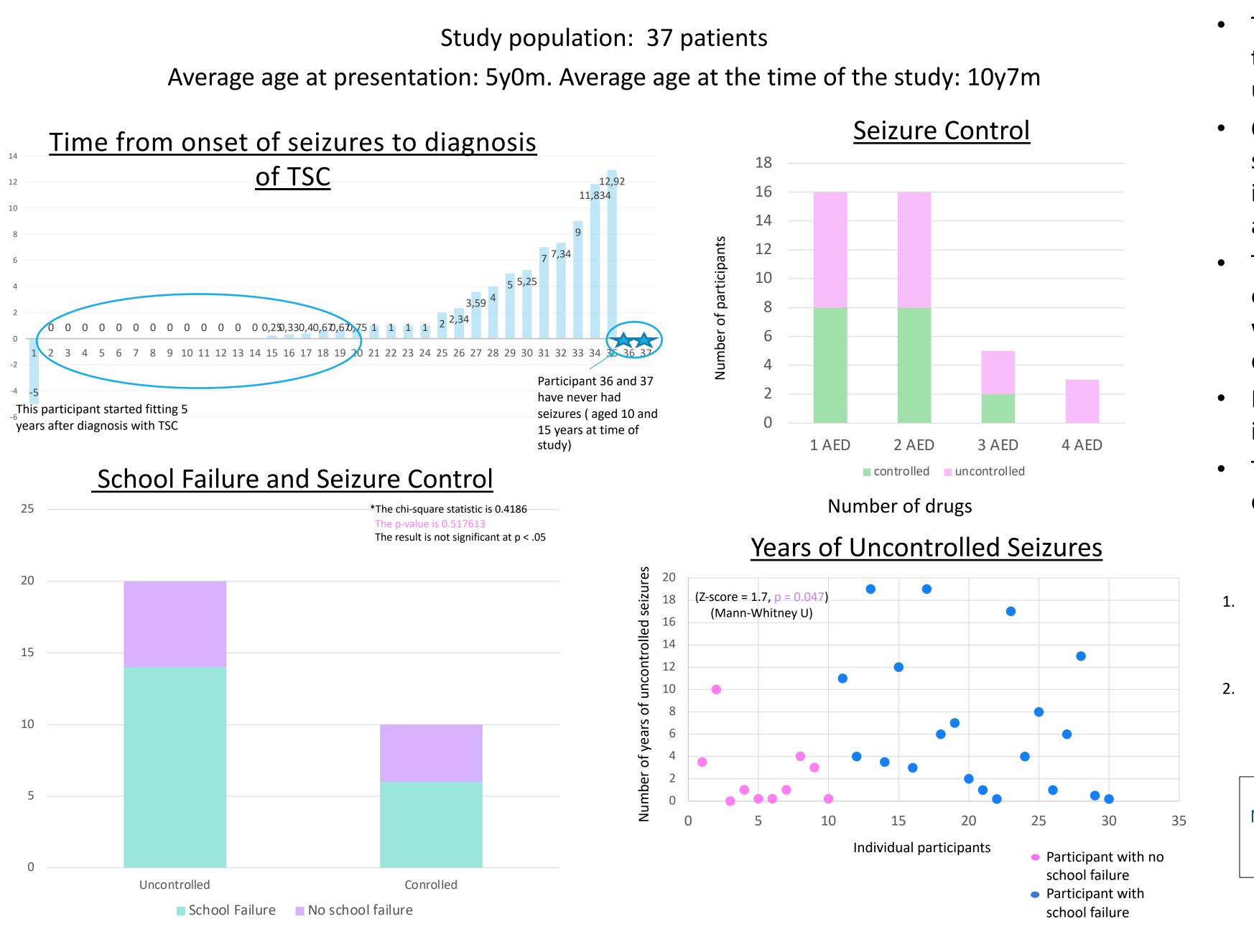
TSC can cause a Developmental and Epileptic Encephalopathy. Early onset seizures and poor seizure control is thought to be associated with poor outcomes<sup>1</sup>.

## **Objectives**

To describe the characteristics of Epilepsy in the TSC patients presenting to the paediatric neurology service of the 2 major academic hospitals in Johannesburg.

### **Methodology**

Retrospective file review of patients presenting to the paediatric neurology service at Charlotte Maxeke Johannesburg Academic Hospital and Chris Hani Baragwanath Academic Hospital from 2000 until 2020.



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# **Results**

#### **Conclusion**

- The number of patients diagnosed and treated for TSC in Gauteng underrepresent the likely prevalence.
- Our patients are presenting to tertiary services very late compared to both international and local studies <sup>2</sup> - more awareness is needed.
- This results in loss of opportunity for early treatment and control of seizures which impacts on both epileptic and developmental outcomes.
- Most of the Epilepsy in our TSC patients is difficult to control.
- The duration of lack of seizure control correlates with school failure (p =0.047).

## **References**

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