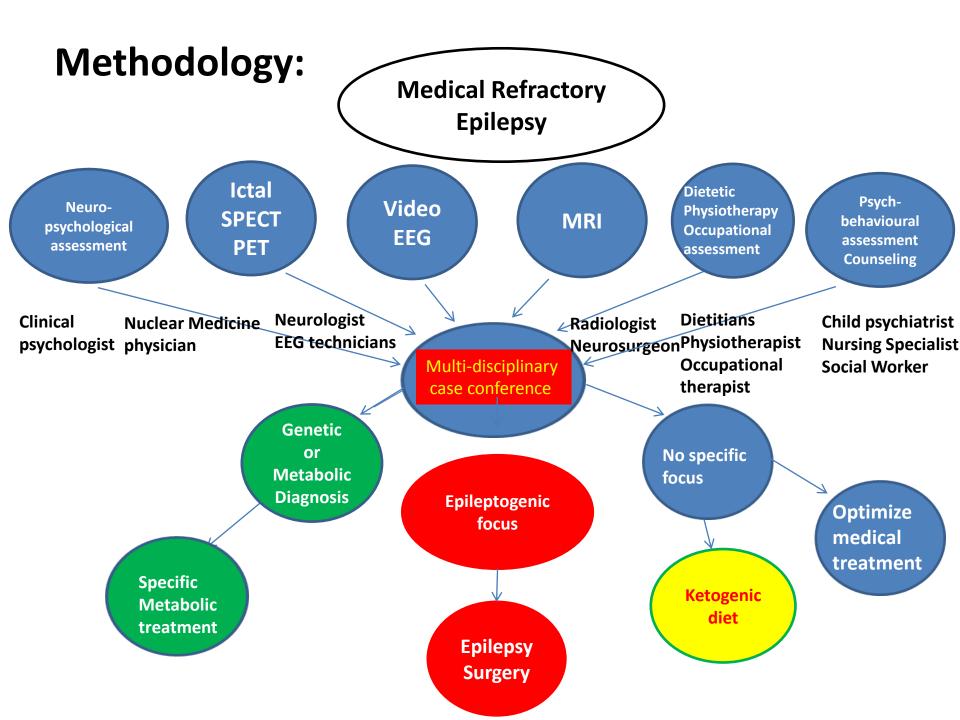




## Multi-disciplinary Management of Paediatric Refractory Epilepsy

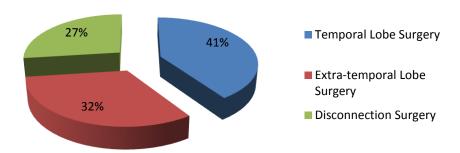
#### Introduction:

- Paediatric Epilepsy is a heterogeneous disease with different underlying etiologies; around 13 % of them are medical refractory.
- Patients do not only suffer from seizure, but also have developmental, behavioural, psychological and cognitive problems.
- Epilepsy surgery and ketogenic diet have shown to be an effective treatment alternatives.
- Objectives:
- ➤ To audit the seizure outcome of children and adolescence with medical refractory epilepsy after epilepsy surgery and ketogenic diet from 2005 to 2012
- To audit the cognitive and psycho-behavioural outcome after epilepsy surgery

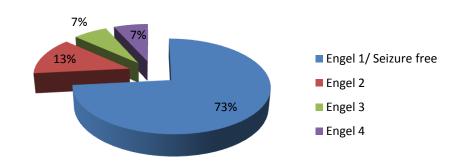


# Seizure Outcome of Epilepsy Surgery and Ketogenic Diet from 2005-2012

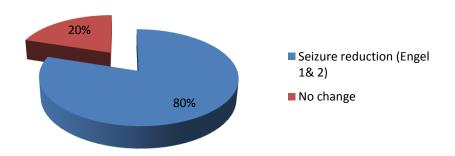
Types of Epilepsy Surgery N=37



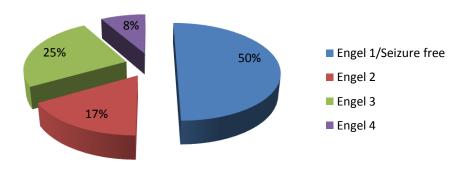
#### Seizure outcome of Temporal Lobe Surgery N= 15



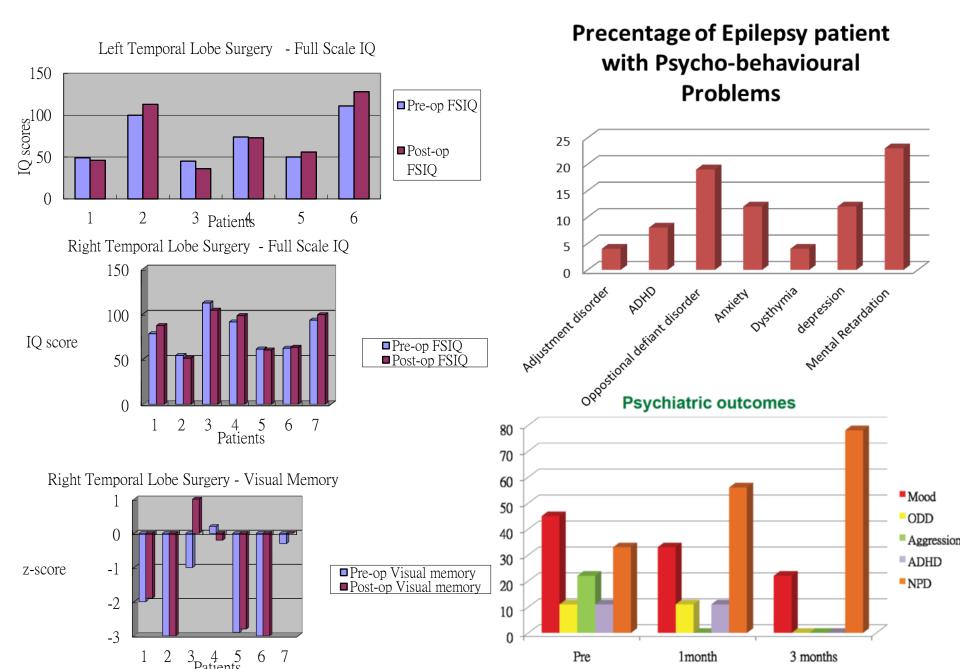
Precentage of patient with Seizure Reduction on Ketogenic Diet N=10

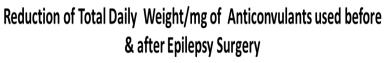


## Seizure outcome of Extra-temporal Lobe Surgery N= 12

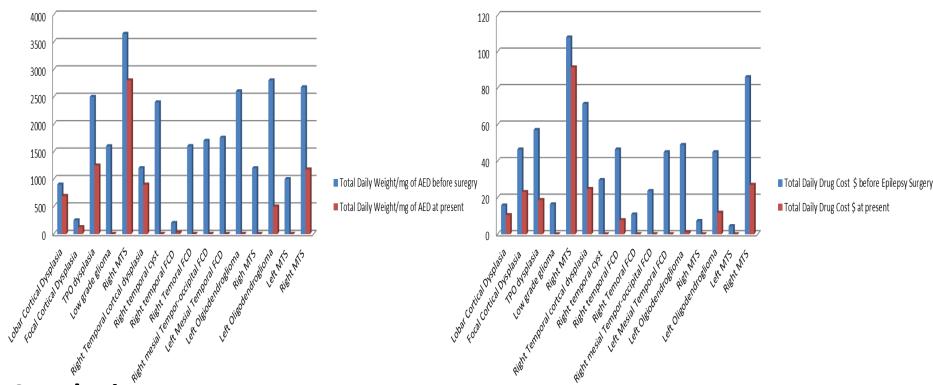


#### Cognitive and Psycho-behavioral Outcome after Epilepsy Surgery





#### Reduction of Total Daily Drug Cost of Anticonvulsants before and after Epilepsy Surgery



#### Conclusion:

- Epilepsy surgery and ketogenic diet are an effective treatment options in Paediatric Refractory Epilepsy
- Epilepsy surgery showed favorable cognitive and psychobehavioual outcome

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