

Children's Healthcare of Atlanta Epilepsy Treatment Algorithm

Referral to Children's Epilepsy Center

- Persistent seizures with or without visible lesions on brain MRI > 1 year or failed 2 or more medications
- Review of history, records, previous studies (EEGs, imaging)
- Neuro exam
- Video-EEG monitoring

Pre-Surgical Diagnostic Testing

Neurophysiology Diagnostics

- Video-EEG Monitoring
- Dense Array EEG
- Magnetoencephalography (MEG)

Radiology Diagnostics

- Interictal/ ictal Single Photon Emission Computed Tomography
- MRI Epilepsy Surgical Protocol
- FDG Positive Emission Tomography (PET) CT with EEG
- fMRI

Neuropsychology Evaluation

Generalized Epilepsy

Focal Epilepsy

Non Epileptic Event

Consider new drug trials. Ketogenic Diet

Yes

No

Continue Medical Management

Consider Palliative Surgical Option

No

Epilepsy Surgery Conference Review

Consider WADA Risk vs Benefits

Yes

Yes

Epilepsy Surgery

Complete WA

No

Referral to psychiatry and/or psychology