

## Treatment of HH

- **Anti-epileptic drugs (AEDs)** prescribed to help control seizures which one or combination of drugs could be use.

Partial Seizures; simple partial, complex partial, secondary generalised

Drugs used; Acetazolamide, Carbamazepine, Clobazam, Gabapentin, Lamotrigine, Leviteracetam, Oxcarbazepine, Phenobarbital, Phenytoin, Pregabalin, Primidone, Tiagabine, Topiramate, Valproate, Vigabatrin

Generalised Seizures; absences, atonic/tonic, tonic-clonic/clonic, Myoclonic

Drugs used; Acetazolamide, Clobazam, Clonazepam, Ethosumide, Lamotrigine, Topiramate, Valproate, Carbamazepine, Oxcarbazepine, Phenobarbital, Phenytoin, Primidone, Levitiracetam, Piracetam

- **Surgery**

There are various approaches used for the disconnection and resection of hypothalamic Hamartoma. In some patients endoscopic surgery is used to remove HH.

For most people surgery is a daunting notion because of the risks that associated on invasive procedures. For most HH sufferers who have severe uncontrolled epilepsy and the possibility of cognitive and behavioural problems, surgery is usually considered as the best treatment. Surgical treatment offers the individual the best chance to be seizure free and to improve or cease the deterioration of any behavioural and learning function.

When considering surgery, your neuro-surgeon will talk to you about the procedure itself, its complications and the likelihood outcome of the treatment. On consultation, this is your best opportunity to ask and discuss anything you need to understand about the procedure, your fear and most importantly, your expectation.

There are various surgical approaches to disconnect or partly removed the tumour and mostly it is based on where the abnormal growth is situated in the hypothalamus. Approaches can be from above or below to reached the lesion.

- Pterional or fronto-temporal craniotomy
- Orbitozygomatic approach

- Transcallosal anterior interfoniceal approach
- Endoscopic approaches

Understand that your neuro-surgeon is the best person to help you understand the best surgical approach for you or your child.

- **Gamma Knife Surgery**

A form of focused radiotherapy.

- **Vagal Nerve Stimulation**

An implant used for seizure control