

What investigations after first seizure?

WARNING!
Biased towards
Rational use for
Resource constrained
Environments

ROUTINE
All patients:
Blood pressure
Glucose
ECG (if indicated)

DO	IF
Electrolytes Ca, Mg, Ph	Age < 1 year Clinically indicated e.g. gastroenteritis

DO	IF
EEG	2nd unprovoked seizure Suspected specific epilepsy syndrome e.g. Childhood absence epilepsy, Benign Rolandic epilepsy (BECTS)

DO	IF
Neuroimaging	<1 year (except simple febrile sx) Focal seizure(s) Abnormal neuro exam Focal abnormality on EEG (if done)

URGENT IMAGING (CT)
Persistent reduced LOC
Acute focal neurological deficit
Raised intracranial pressure
Intracranial infection

ROUTINE IMAGING (MRI)
Focal seizures without persistent
neurological abnormality
Abnormal neuro exam
Cognitive/motor impairment
Age < 1 yr