# CODE STROKE PATHWAY Recognition to Diagnosis

Update
June 2023

The Royal Children's Hospital Melbourne

**SUDDEN ONSET FOCAL NEUROLOGICAL SIGNS**
Weakness / Sensory disturbance / Speech disturbance
Visual disturbance / Vomiting / Altered conscious state
1st Febrile or Afebrile seizure with persisting focal deficits
Headache with other neuro signs or symptoms
Signs of raised intracranial pressure

**EMERGENCY DEPARTMENT**
via AV OR self presentation

**INPATIENT**
**MET 2222**
+ Call Neurology Fellow 91

**ED TRIAGE CAT 1 OR 2**
ED Consultant confirms high level suspicion of stroke

**MET CALL**
MET Lead confirms suspicion of stroke

**CALL NEUROLOGY FELLOW ASAP**

Epic
**Code Stroke Orderset**

**NEUROLOGY URGENT REVIEW**
Baseline PedNIHSS Assesment.
STROKE suspicion confirmed, discussed with Neurology Consultant
Neurologist notifies Duty Radiologist & Anaesthetist on Call

Anaesthetics
If GA required
Cat. 1 triage

**URGENT T/F to MID**

PICU Cardiac Consultant
(if VAD insitu)

**VAD PATIENT**
OR MRI contraindication

**MRI/A BRAIN STROKE RAPID PROTOCOL (Modality of first choice)**

If MRI/A not possible, use Rapid CT Protocol

**CT BRAIN STROKE RAPID PROTOCOL**

MRI criteria for Ischaemic Infarct
**MRI** restricted diffusion in arterial territory, and;
**MRA** partial/complete occlusion in corresponding intracranial artery to infarct
**MRP** shows core/penumbra mismatch

**CT criteria for Ischaemic Infarct**
**CT** confirms early arterial territory hypodensity, and;
**CTA** partial/complete occlusion in corresponding intracranial artery to infarct
**CTP** shows core/perfusion mismatch

**ISCHAEMIC STROKE**

**HAEMORRHAGIC STROKE**

Neurosurg & Haem consult

**PATIENT MEETS INCLUSION CRITERIA FOR t-PA**

**PATIENT MEETS INCLUSION CRITERIA FOR t-PA + ECR**

**PATIENT MEETS INCLUSION CRITERIA FOR ECR, BUT NOT t-PA**

**SEE T-PA PROTOCOL**
0-4.5hrs from stroke onset
Pre-admin: Bloodwork, 15-lead ECG, Beta HCG
Indications, exclusions, contraindications confirmed

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**SEE CODE STROKE ENDOVASCULAR CLOT RETRIEVAL PATHWAY**