

# PREP2 at a glance

## SAFE Score ( /10) Using MRC grading

To be measured **days 1, 2 and 3** post stroke

Shoulder Abduction ( /5)

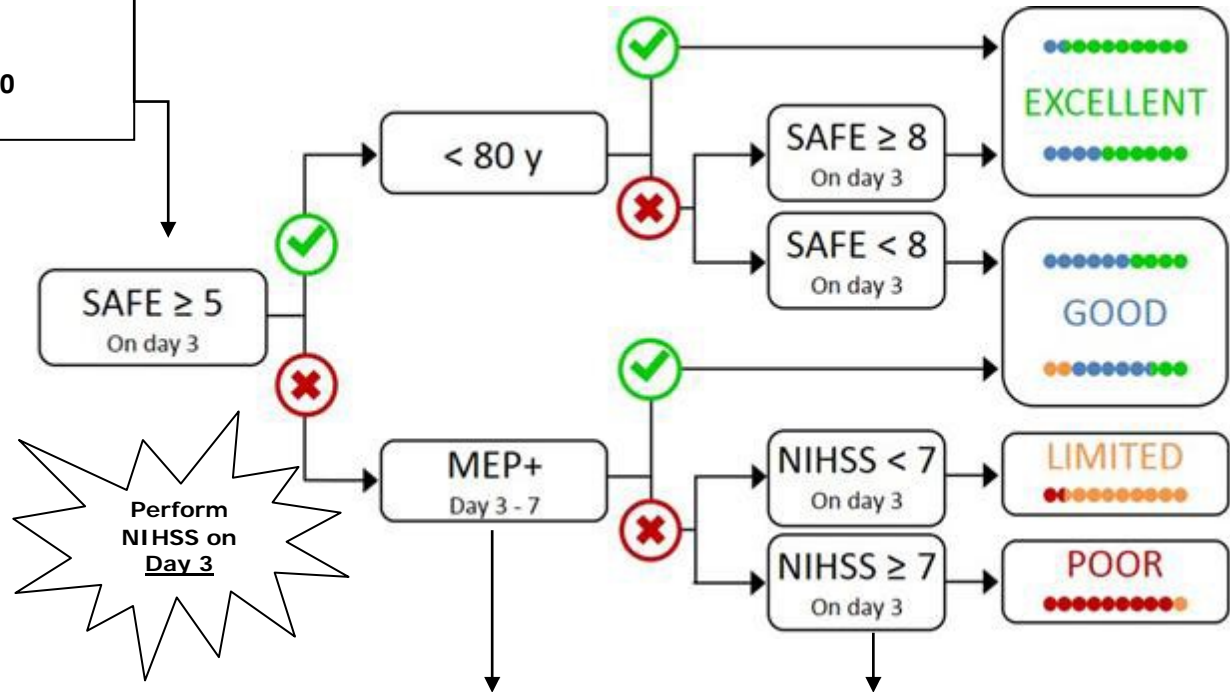
+ Finger Extension ( /5) = /10

MRC Muscle Strength Grading	
0	no palpable muscle activity
1	palpable muscle activity but no movement
2	limited range of motion without gravity ( <u>do not have to achieve full ROM without gravity*</u> )
3	<b>full range of motion</b> against gravity but no resistance
4	<b>full range of motion</b> against gravity and resistance but weaker than the other side
5	normal power through <b>full range of motion</b>

## Predicts functional upper limb outcome at 3 months post stroke

This prediction tool can be used with:

- ✓ Adults (18+) with new UL weakness post stroke
- ✓ Ischaemic stroke or intracerebral haemorrhage
- ✓ Post thrombolysis / clot retrieval
- ✓ Patients who have had a previous stroke
- ☐ N/A for patients with cerebellar stroke, bilateral infarcts or patients requiring decompressive craniectomy.



## Transcranial Magnetic Stimulation (TMS)

Used to test the function of the descending motor pathways to the paretic upper limb **between 3 and 7 days** after stroke symptom onset, indicated if patient has SAFE score of <5 on day 3 post stroke

## NIHSS

If a patient's SAFE score is < 5 on day 3, the patient must be assessed with the NIHSS **on day 3**. This score will be used if the patient turns out to be MEP – following TMS.

**NB: A PREP2 assessment form should be completed for all patients eligible for the prediction tool, with the relevant information shared with the patient and their team in both verbal and written format**

**For more information: [www.presto.auckland.ac.nz](http://www.presto.auckland.ac.nz)**