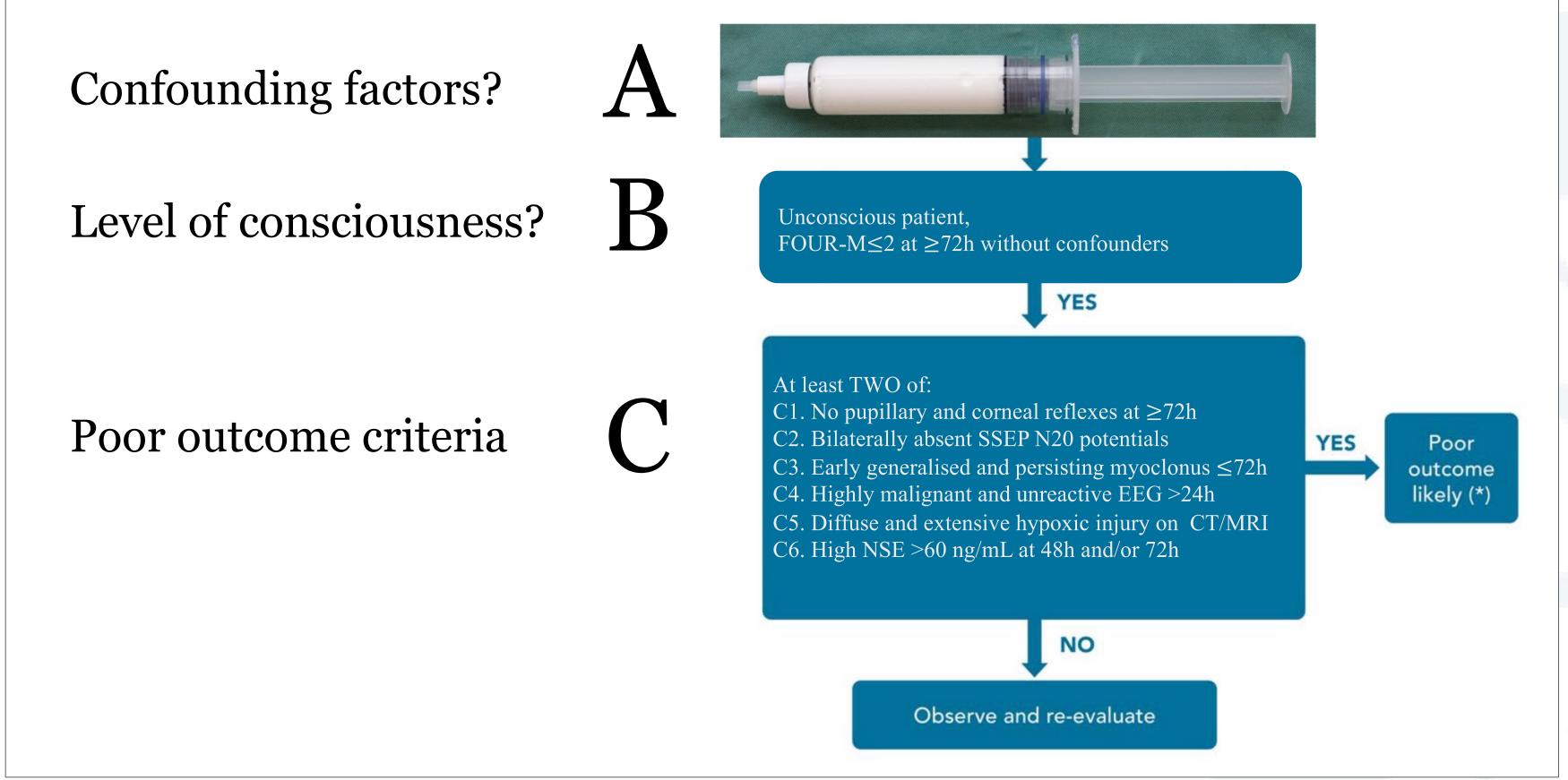
### A STEPCARE substudy on early neuroprognostication



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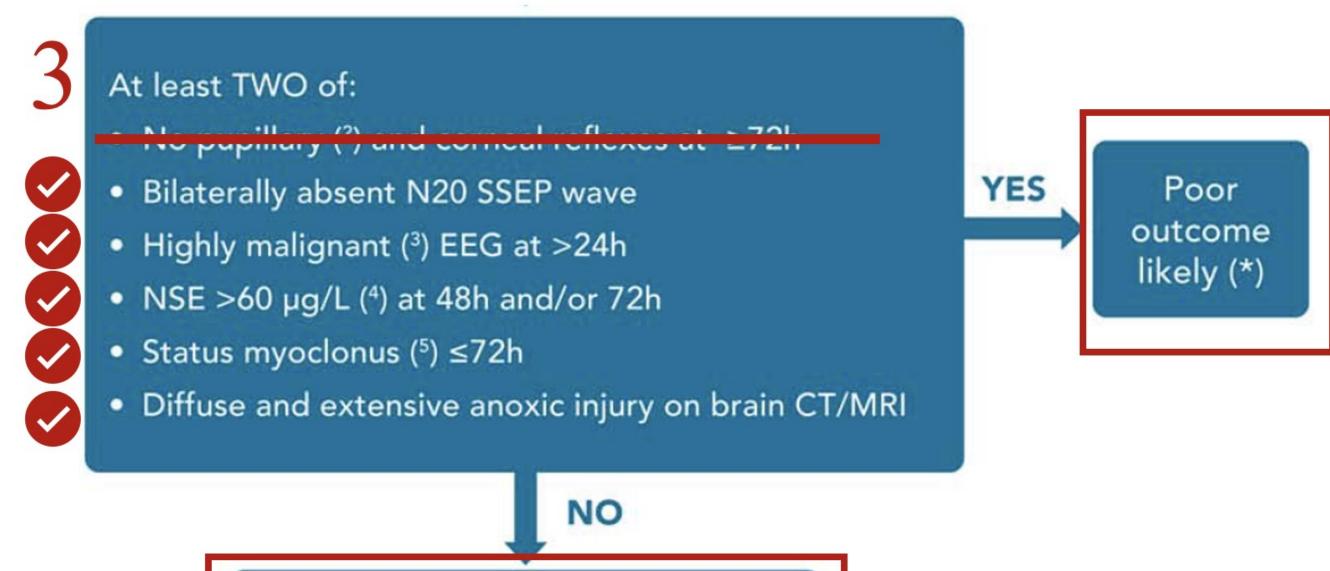




Adapted from Nolan et al. Resuscitation. 2021 Apr;161:220-269.







**ERC/ESICM** 

Observe and re-evaluate

Sedation och tidsaspekt?

Nolan et al. Resuscitation (2021) 220-269



**Poor outcome** 

Discontinue treatment?

Indeterminate outcome

Reevalute daily for signs of improvement

**Good outcome** 

**Continue treatment** 



Unconscious patient FOUR-M ≤3 24 h after randomisation

EEG highly malignant ≥24 h

AND

CT with severe HIE

AND

biomarker levels high

No signs of good outcome AND not fulfilling all criteria of poor outcome

EEG continuous & reactive <20 h

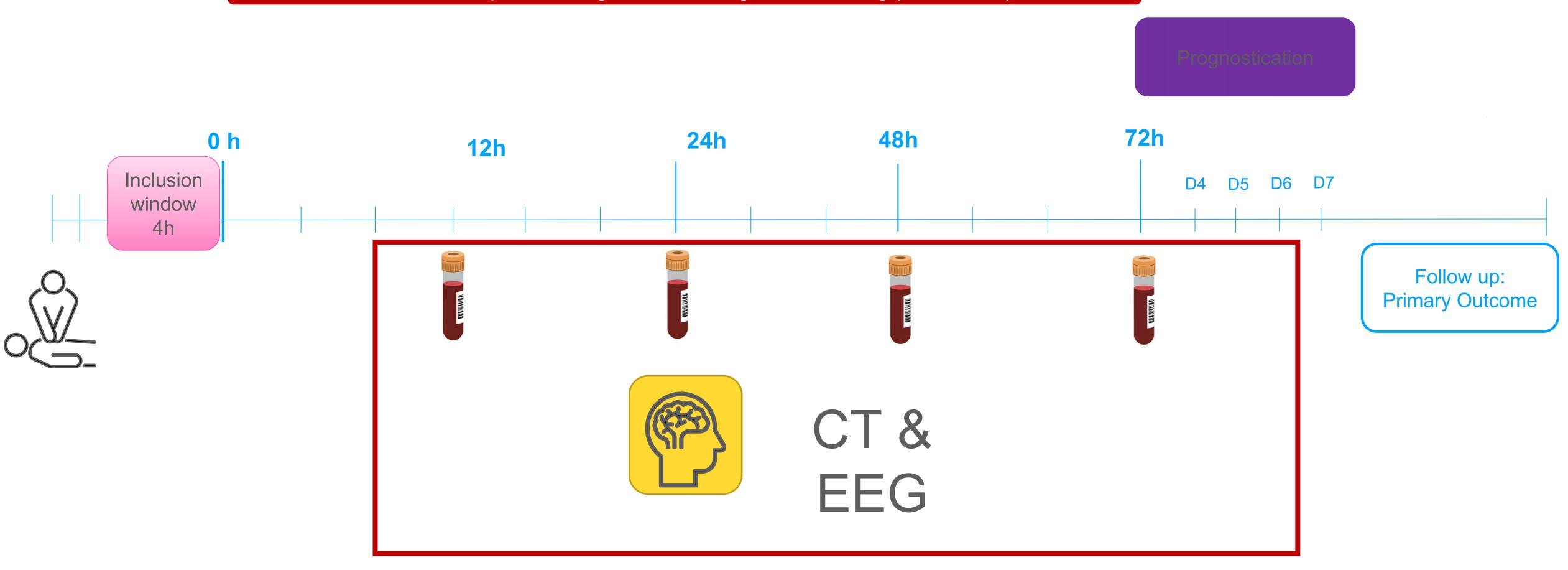
AND/OR

biomarker levels low

Continuous sedation for 36 hours OR minimal sedation (SED-CARE)

Fever management with OR without a feedback-controlled device (TEMP-CARE)\*

A mean arterial pressure target of >85 mmHg OR >65 mmHg (MAP-CARE)\*





≥72 hours?!



## Data collection

- DICOM CT/MRI
- EDF/EDF+ cEEG/EEG (Brainstatus)
- SSEP reports







#### **Checklist EARLY-NEURO and biomarker substudies**

Hospital name:			
Country:			
Contact details:			

Please fill out the form for the substudies you are interested in. Send the completed checklist to <a href="https://helena.levin@med.lu.se">helena.levin@med.lu.se</a> and <a href="mailto:marion.moseby\_knappe@med.lu.se">marion.moseby\_knappe@med.lu.se</a> for further discussion.

EARLY-NEURO SUBSTUDY
Will unconscious patients routinely be examined with head CT as early as possible after 24 hours after randomization?
□ No
☐ Yes
Please specify who will be responsible for referring patients to examinations (ie which profession):
Will unconscious patients routinely be examined with EEG (full-montage or simplified montage) as early as possible after 24 hours after randomization?
□ No
☐ Yes
Please specify who will be responsible for referring patients to examinations:
Will you be able to export pseudononymized DICOM images for all CT/MRI examinations performed on patients randomized at your site?
□ No
☐ Yes
Please specify who will be responsible for exporting images:
Will you be able to export pseudononymized EEG examinations (EDT format) performed on patients randomized at your site?
□ No
☐ Yes
Please specify who will be responsible for exporting EEG files:

# www.stepcare.org/biomarkers

marion.moseby\_knappe@med.lu.se helena.levin@med.lu.se





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