SMART on FHIR Project – Trigger Logic

Stroke Tigger Logic (trimmed down version)

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Parameters

➢ Date of Discharge <= current date;

➢ Patient Age >= 18;

➢ ICD 10 Codes (next slide and word document)

CODES to be considered
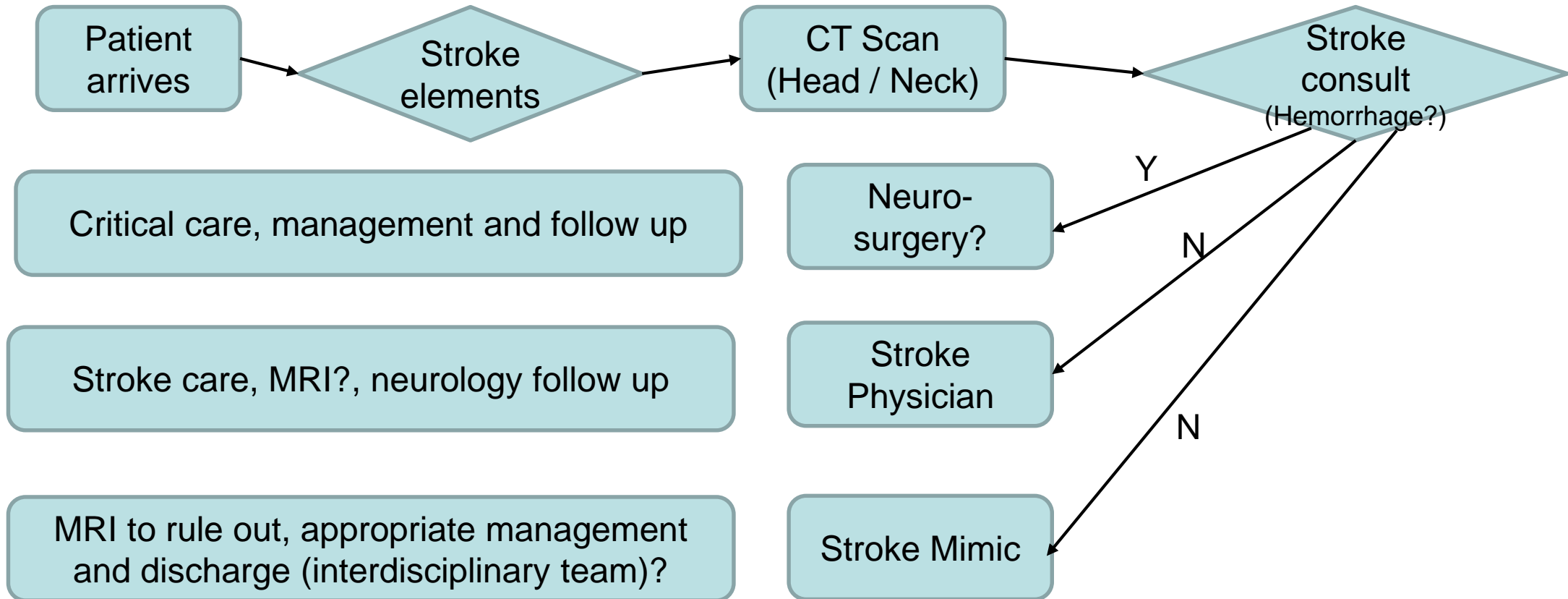
➢ One or more of ICD Codes listed below

- ICD 10 Codes: (Examine Appendix I of the Paul Coverdell Project Resource Guide)
  - ❑ I60–I62: Non-traumatic intracranial hemorrhage (i.e., spontaneous subarachnoid, intracerebral or subdural hemorrhages)
  - ❑ I63: Cerebral infarctions (i.e., due to a vessel thrombosis or embolus)
  - ❑ I67–I68: Other cerebrovascular diseases
  - ❑ I69: Sequelae of cerebrovascular disease (late effect)
  - ❑ G45, G46 (if clinical diagnosis is TIA – Transient Ischemic Attack)
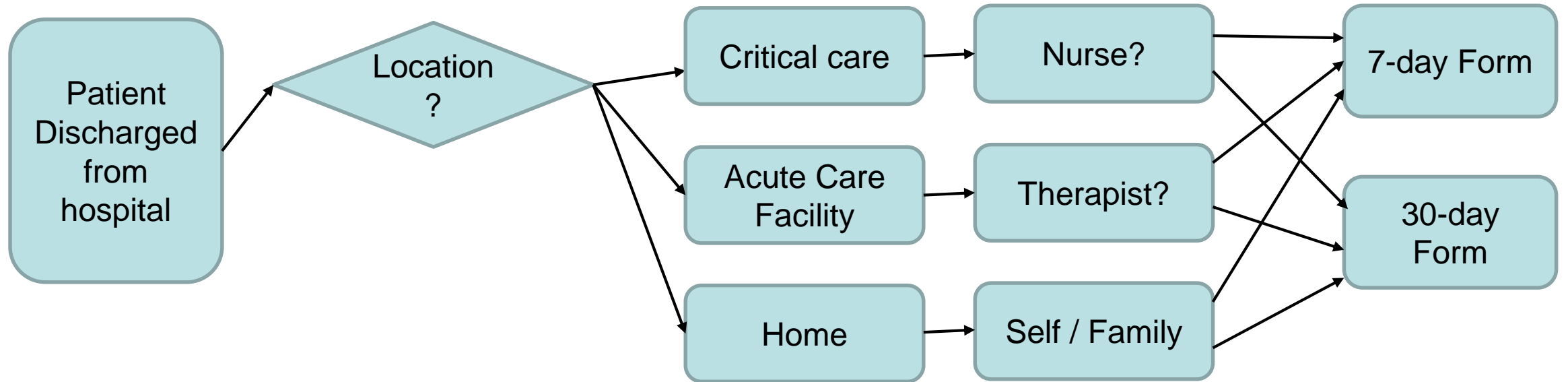
➢ Stroke in Pregnancy:

- ICD 10 Codes: 000.411-099.419

Case ascertainment Flow Diagram

Patient arrives → Stroke elements → CT Scan (Head / Neck) → Stroke consult (Hemorrhage?)

Stroke consult (Hemorrhage?):
- Y → Neuro-surgery?
- N → Stroke Physician
- N → Stroke Mimic

Neuro-surgery? → Critical care, management and follow up

Stroke Physician → Stroke care, MRI?, neurology follow up

Stroke Mimic → MRI to rule out, appropriate management and discharge (interdisciplinary team)?

Post Discharge Flow Diagram

NOTE: In progress and is to be verified and confirmed

➤ **Thank You!**

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