On-line figure. Modified TOAST algorithm used to assign etiological ischemic stroke subtypes

- Final clinical syndrome and brain imaging-based classification = LACI
  - Yes
  - ≥ 70% ICA stenosis?
    - Yes
      - Cardioembolic source?
        - Yes
          - Multiple etiologies
        - No
          - Undetermined (incomplete investigation)
      - No
        - Small vessel disease
    - No
      - Unclassifiable
  - No
    - Final clinical syndrome and brain imaging-based classification = TACI, PACI or POCI
      - Yes
        - Uncertain final syndrome
      - No
        - Cardioembolic source?
          - Yes
            - Multiple etiologies
          - No
            - Undetermined (complete investigation)
      - No
        - Large vessel disease

*LACI = lacunar infarction; PACI = partial anterior circulation infarction; TACI = total anterior circulation infarction; POCI = posterior circulation infarction
†Ipsilateral internal carotid artery stenosis. ‡Cardioembolic source defined as history of or post-stroke electrocardiogram (+/- echocardiogram) evidence of atrial fibrillation or cardiac valve disease. §Imaging of extracranial neck arteries not performed. ¶Appropriate cardiac investigation (electrocardiogram +/- echocardiogram) not performed in patients with no known history of atrial fibrillation.