Admission, n=1500

Follow-up around day 3

Follow-up at discharge and 90 days

Baseline data collection:
- Clinical data
- Laboratory tests
- Imaging data
  - NCCT
  - CTP
  - CTA

Day 1-3 after admission:
- Clinical data collection
- Laboratory tests

Day 3:
- Repeated CT imaging
  - NCCT
  - CTP
  - CTA

At discharge:
- Final diagnosis

90 days:
- Clinical outcome (mRS)
- Barthel Index, EQ-5D

In case of clinical deterioration: NIHSS and NCCT

Study outcomes:
- Clinical outcome assessed with the mRS (primary study outcome)
- Infarct size on follow-up NCCT
- (A)symptomatic haemorrhage on follow-up NCCT
- Reperfusion on follow-up CTP
- Recanalisation on follow-up CTA
- Barthel Index and EQ-5D

Inclusion criteria:
- ≥18 years
- NIHSS ≥2 (or 1 if indication for IV-rtPA)
- Symptoms <9 hours

Exclusion criteria
- Other diagnosis than ischemia on NCCT
- Known contrast allergy
- Renal failure

Six university and 8 non-university hospitals in The Netherlands