Diffusion-weighted MRI  
Contrast enhanced MRA  
Vertebral artery origin stenosis

A

Consecutive patients (n=865)
- No MR study (n=25)
  - Poor cooperation due to unstable medical or neurological status (n=16)
  - Pacemaker (n=4)
  - Low economic status (n=5)
- Incomplete MR study
- TOF MRA only (n=21)

CE-MRA performed (n=819)
- Stroke of other determined etiology (n=25)
- Poor imaging quality (n=20)

Eligible for CE-MRA analysis (n=774)
- No or less than 50% VAO stenosis (n=625)
- More than 50% VAO stenosis (n=149)

Enrolled patients (n=137)
- Angioplasty and stenting for VAO stenosis (n=12)