

Radiology Information System
Octobre 2007 to September 2019

Key words:

- Digital subtraction angiography
- Internal carotid artery

3618 DSAs

2118 DSAs
excluded

Endovascular treatments:

- 421 vasoocclusive treatments, e.g. coiling and embolisation
- 154 intraarterial spasmolyses
- 1543 thrombectomy, intra- and extracranial stentings

1500 diagnostic DSAs

295 DSAs
excluded

Diagnostic DSA:

- 295 diagnostic DSAs of vessels other than internal carotid artery

1205 diagnostic DSAs

761 DSAs
excluded

Exclusion criteria:

- Age under 18 years (n=16)
- Any neurological event in the last six months to DSA (n=2)
- Oral, intravenous, or intraarterial nimodipine administration (n=94)
- Moderate or severe arteriosclerosis, stenosis or dissections of intra- or extracranial arteries belonging to the cerebral circulation (n=314)
- Mycotic or traumatic-induced pseudoaneurysms (n=12)
- Aneurysms associated with arteriovenous malformations (n=8)
- Diseases affecting the intracranial vessels, e.g., Moyamoya disease (n=2), vasculitis (n=49), fibromuscular dysplasia (n=9), basilar artery megadolichoectasia (n=15), fusiform aneurysms (n=17)
- Territorial infarction (n=31) or intracerebral hemorrhage after SAH (n=43)
- Any malignant tumor (n=23)
- Any intracranial space-occupying lesion with impact on vessel diameters (n=75)
- Chronic diseases, e.g. epilepsy (n=21)

444 diagnostic DSAs

166 DSAs
excluded

Patient filtering:

- One analyzed DSA in case of multiple examinations of one patient
- Initial DSA in case of incidental aneurysm or control DSA after 6 months or later after SAH

↪ **Study group of 278 individual patient DSAs**