

On-line Table: Individual perfusion territories and anatomic variants of the Circle of Willis in the patient subgroups

| Vessel Stenosis/Occlusions | No. | Perfusion Pattern | No. | Recruitment of Collaterals | No. | Circle of Willis Anatomy | No. | Predictability | |
|---|-----------|--|----------|---|----------------------|--------------------------|-----------|----------------|----------|
| | | | | | | | | No. = Yes | No. = No |
| Unilateral ICA stenosis | 21 (44%) | Symmetric | 4 (19%) | — | — | AcomA patent; 1 PcomA | 2 | | 2 |
| | | Diminished perfusion territory of the stenotic ICA | 17 (81%) | cICA | 10 (59%) | AcomA patent; 2 PcomA | 2 | | 2 |
| | | | | | | AcomA patent; 1 PcomA | 2 | | 2 |
| | | | | | | AcomA patent; 0 PcomA | 4 | 4 | 4 |
| Bilateral ICA stenosis | 9 (19%) | Symmetric | 3 (33%) | cICA and posterior circulation Posterior circulation | 6 (35%) 1 (6%) | AcomA patent; 2 PcomA | 6 | | 6 |
| | | | | | | AcomA atretic; 1 PcomA | 1 | 1 | 1 |
| | | | | | | AcomA atretic; 1 PcomA | 2 | 2 | 2 |
| | | | | | | AcomA patent; 0 PcomA | 1 | 1 | 1 |
| Unilateral ICA occlusion and contralateral ICA stenosis | 15 (31%) | Diminished perfusion territory of one of the stenotic ICAs | 6 (67%) | cICA | 3 (50%) | AcomA patent; 1 PcomA | 1 | | 1 |
| | | | | | | AcomA patent; 0 PcomA | 2 | 2 | 2 |
| | | | | | | AcomA patent; 2 PcomA | 1 | | 1 |
| | | | | | | AcomA atretic; 2 PcomA | 1 | 1 | 1 |
| Bilateral ICA occlusion | 3 (6%) | | | Posterior circulation cICA | 1 (17%) 4 (27%) | AcomA patent; 2 PcomA | 2 | | 2 |
| | 48 (100%) | | | cICA and posterior circulation | 11 (73%) | AcomA patent; 1 PcomA | 2 | | 2 |
| | | | | | | AcomA patent; 2 PcomA | 8 | | 8 |
| | | | | | | AcomA patent; 1 PcomA | 3 | 3 | 3 |
| Sum | | | | Posterior circulation and ECA | 3 (100%) 41 (85%) | 2 PcomA | 3 | 14 (29%) | 34 (71%) |
| | | | | | | | 48 (100%) | | |

Note:—cICA indicates contralateral ICA.