Watershed area

Watershed area is the medical term referring to regions of the body that receive dual blood supply from the most distal branches of two large arteries, such as the splenic flexure of the large intestine.

see Watershed cerebral infarction.

Local intraparenchymal neuromonitoring in the ACA/MCA watershed area might detect the vast majority of DCIs for all aneurysm locations, except for basilar artery aneurysms. In ACA and AcomA aneurysms, bilateral DCI of the ACA territory was common, and bilateral probe positioning might be considered for monitoring high-risk patients. Non-focal monitoring methods might be preferably used after BA aneurysm rupture [1].

[1]

Hurth H, Steiner J, Birkenhauer U, Roder C, Hauser TK, Ernemann U, Tatagiba M, Ebner FH. Relationship of the vascular territory affected by delayed cerebral ischemia and the location of the ruptured aneurysm in patients with aneurysmal subarachnoid hemorrhage. Neurosurg Rev. 2021 Mar 29. doi: 10.1007/s10143-021-01522-4. Epub ahead of print. PMID: 33782797.