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Publications

2018

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Dosimetric consequences of translational and rotational errors in frame-less image-guided radiosurgery. *Radiat Oncol.* 2012 Apr 24;7:63. doi: 10.1186/1748-717X-7-63. PubMed PMID: 22531060; PubMed Central PMCID: PMC3441228. 195: Raslan F, Albert-Weissenberger C, Ernestus RI, Kleinschnitz C, Sirén AL. Focal brain trauma in the cryogenic lesion model in mice. *Exp Transl Stroke Med.* 2012 Apr 5;4:6. doi: 10.1186/2040-7378-4-6. PubMed PMID: 22480252; PubMed Central PMCID: PMC3359191. 196: Schweitzer T, Böhm H, Meyer-Marcotty P, Collmann H, Ernestus RI, Krauß J. Avoiding CT scans in children with single-suture craniosynostosis. *Childs Nerv Syst.* 2012 Jul;28(7):1077-82. doi: 10.1007/s00381-012-1721-0. Epub 2012 Feb 19. PubMed PMID: 22349960. Four patients with DAVFs at the petrous apex from the Department of Neurosurgery, University of [Wuerzburg, Germany](#). One patient was admitted with [cerebral hemorrhage](#) from a second occipital DAVF, and three patients had cranial nerve palsies. All fistulas were type III or IV according to [Cognard classification](#) with venous drainage into the deep cerebral veins. Transarterial embolization was performed in two patients. Partial transarterial embolization was possible resulting in a marked flow reduction. In one further patient, surgical treatment via a subtemporal approach was attempted, but complete obliteration of the fistula was impossible. In all patients, complete occlusion of the DAVF was achieved by surgical interruption via a standard retrosigmoid approach to the cerebellopontine angle. Treatment of these type III or IV DAVFs was indicated. The fistulas were supplied by multiple meningeal feeders originating from the external and internal carotid and vertebral arteries. Preoperative transarterial embolization resulted in significant flow reduction. Complete cure at low risk was achieved by interruption of the venous drainage via a retrosigmoid approach ((Westermaier T, Bendszus M, Solymosi L, Roosen K, Ernestus RI. Surgical treatment of dural arteriovenous fistulas of the petrous apex. *World Neurosurg.* 2012 Mar-Apr;77(3-4):591.e7-13. doi: 10.1016/j.wneu.2011.07.009. Epub 2011 Nov 7. PubMed PMID: 22120334.

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