

TUBERCULUM SELLAE MENINGIOMA DEVELOPED AFTER THE RESECTION OF A PITUITARY ADENOMA AND AN OLFACTORY GROOVE MENINGIOMA

B.C. Dumitrescu^{1,2}, T.L. Cazac², D.C. Ciotarla², L.G. Tataranu^{1,2}, V.G. Ciubotaru¹

¹*Neurosurgical Clinic, "Bagdasar-Arseni" Emergency Clinical Hospital, Romania*

²*General Medicine, "Carol Davila" University of Medicine and Pharmacy, Romania*

dumitrescu.bog@gmail.com

We report a case of tuberculum sellae meningioma in a 49-year-old woman who presented with decreasing visual acuity, visual field defects and left optic atrophy. Four years previously she was diagnosed with olfactory groove meningioma, totally resected using a right fronto-temporal approach and pituitary adenoma with suprasellar extension and bilateral cavernous sinuses invasion, microscopically ablated by transnasal transsphenoidal approach.

Gadolinium-enhanced T1-weighted MR-images showed a right fronto-temporal craniotomy and total surgical removal of previous tumors with no recidives. They also showed a new, well-defined, sellar and suprasellar solid mass, encapsulating the optic chiasm and invading both cavernous sinuses, measuring 24/22/14 mm. The lesion was hyperintense on T2-weighted-imaging with homogenous enhancement and a broad dural attachment to the tuberculum sellae. The tumor was successfully resected using a left subfrontal unilateral approach.

Postoperative improvement of visual acuity was noted immediately and the postoperative computer-tomography investigation showed total surgical removal with no residual tumor.

Acknowledgement

This paper was co-financed from the European Social Fund, through the Sectorial Operational Programme Human Resources Development 2007–2013, project number POSDRU/159/1.5/S/138907 "Excellence in scientific interdisciplinary research, doctoral and postdoctoral, in the economic, social and medical fields -EXCELIS", coordinator The Bucharest University of Economic Studies.