

An audit of transsphenoidal surgery on nonfunctioning pituitary adenomas

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OBJECTIVE

Clinically nonfunctional pituitary adenomas are relatively an uncommon disease. The aim of this work is to describe the clinical characteristics and to review the results of transsphenoidal surgery (TS) of pituitary adenomas in a reference center.

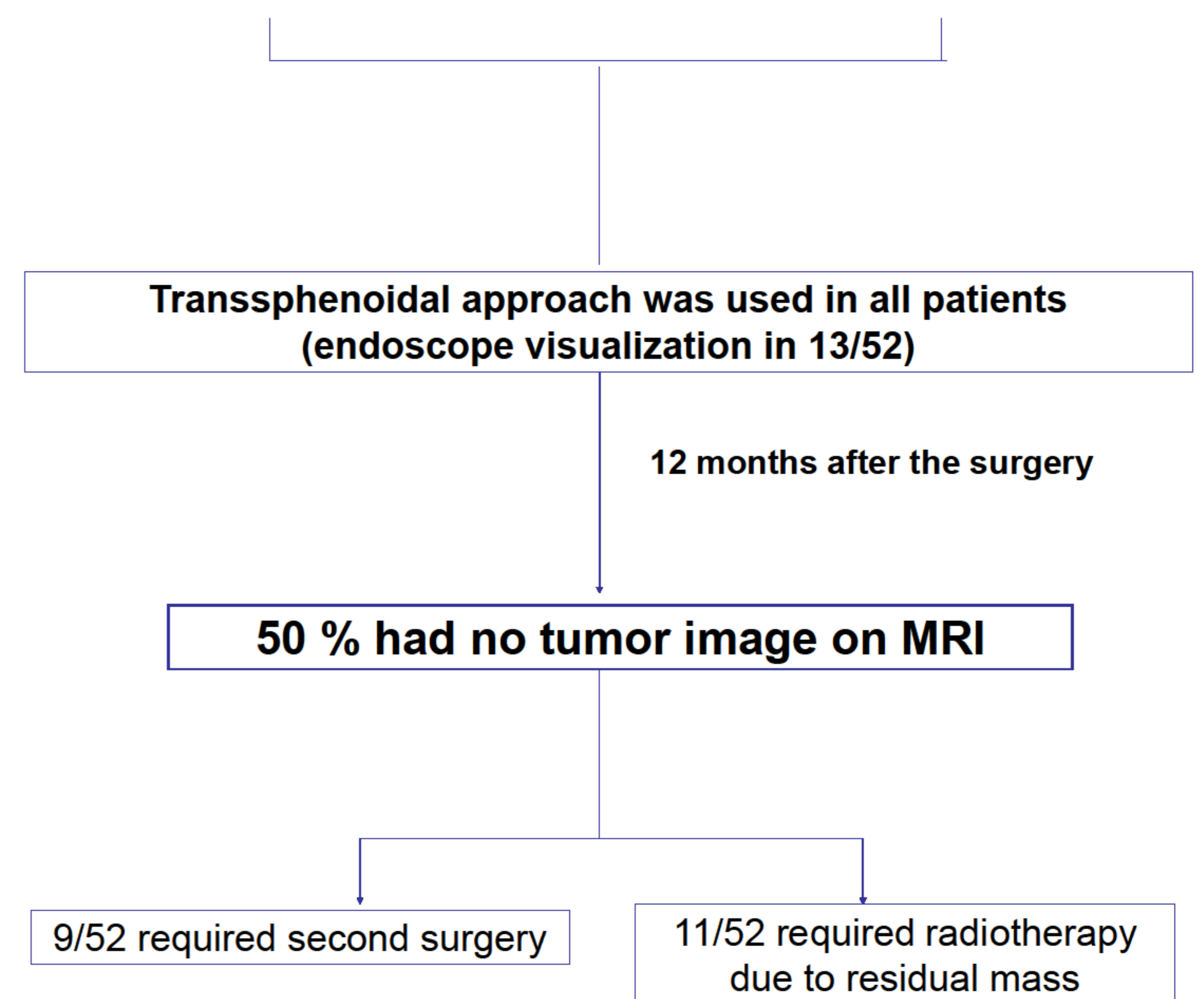
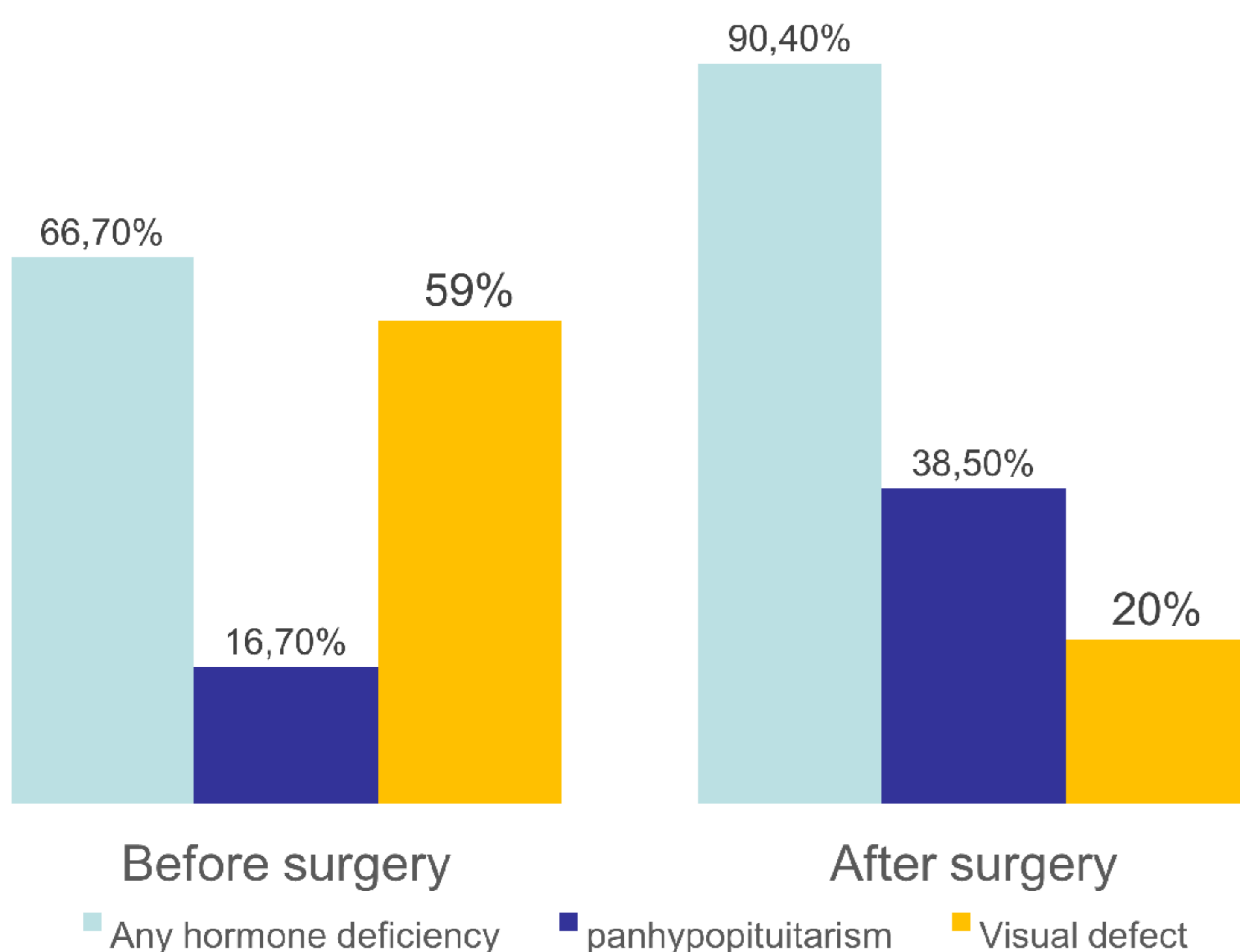
METHODS

A retrospective study (1995-2014) of 66 patients (50% men) diagnosed with pituitary adenomas by a magnetic resonance imaging (MRI) was conducted. Demographic, clinical, biochemical data and the results of TS were collected. For statistical processing program SPSS version 22.0 was used.

RESULTS

Basal clinical characteristics (n = 66)

Mean age (years)	57 ± 16'8
Clinical presentations (%)	Visual symptoms (36,4) Incidental pituitary mass (34,8)
Tumor mean size (mm)	26,6 ± 8,8 mm
Pathological visual field testing at diagnosis	59 34,8% bitemporal hemianopsia



CONCLUSIONS

Considering tumor size results they are similar to those reported in the literature but with a higher risk of hypopituitarism.