

TABLE 3  
*Association of clinicoradiological parameters with recurrence  
in meningiomas\**

Parameter & Group	Incidence of Recurrence	p Value
patient age		
<55 yrs	7 of 41	0.62
≥55 yrs	8 of 58	
patient gender		
male	6 of 29	0.23
female	9 of 70	
tumor size		
small	5 of 63	0.03†
large	10 of 36	
tumor location		
NS	11 of 45	0.03†
DS	4 of 54	
tumor shape		
round	5 of 74	<0.001†
lobulated	7 of 22	
mushroom	3 of 3	
tumor calcification		
none	15 of 72	0.01†
focal or diffuse	0 of 27	
edema		
absent	3 of 47	0.02†
present	12 of 52	
bone change		
hyperostosis	1 of 33	<0.04†‡
osteolysis	2 of 4	
none	8 of 39	
brain-tumor interface‡		
clear	5 of 56	0.002†
unclear	3 of 5	
dural tail		
absent	1 of 20	0.1
present	5 of 22	

\* According to univariate analysis (Cox-Mantel test). The study is based on 99 patients. Cases 16 and 17 are excluded. Some data related to bone change, brain-tumor interface, and dural tail are lacking.

† Statistically significant.

‡ Significant when comparing hyperostotic tumor and others.