

On-line Table: Frequency of clinical and MRI characteristics in patients with hypophysitis (*n* = 304) or nonsecreting pituitary macroadenoma (*n* = 98)

Predictor: Clinical Data and MRI Features	Hypophysitis		Nonsecreting Adenoma		β^*	Pt
	No.	(%)	No.	(%)		
Sex						
Female	214	(70)	40	(41)	-1.68	<.0001
Male	90	(30)	58	(59)	1.24	<.0001
Age (yr)						
≤ 30	92	(30)	3	(3)	-1.18	<.0001
31-59	167	(55)	51	(52)	-2.24	<.0001
≥ 60	45	(15)	44	(45)	1.16	<.0001
Relation to pregnancy						
Yes	64	(21)	1	(1)	-2.49	.016
No	121	(40)	23	(24)		
Not applicable	119	(39)	74	(75)		
Pituitary volume						
$< 6 \text{ cm}^3$	80	(76)	21	(23)	-1.34	<.0001
$\geq 6 \text{ cm}^3$	25	(24)	72	(77)	2.39	<.0001
Adenohypophysitis						
T1 signal intensity						
Isointense	110	(69)	17	(41)	-1.87	<.0001
Hyperintense	15	(9)	14	(33)	1.79	<.0001
Hypointense	35	(22)	11	(26)	0.71	NS
Homogeneity						
Homogeneous	139	(79)	15	(35)	-2.23	<.0001
Heterogeneous	23	(13)	22	(51)	2.18	<.0001
Centrally hypointense	14	(8)	6	(14)	1.38	.013
Gd enhancement intensity						
Low	45	(17)	21	(55)	-0.76	.04
High	218	(73)	17	(45)	-1.79	<.0001
Gd enhancement homogeneity						
Homogeneous	157	(78)	24	(36)	-1.88	<.0001
Heterogeneous	20	(10)	31	(47)	2.31	<.0001
Centrally hypointense	24	(12)	11	(17)	1.09	.010
Symmetry						
Symmetric	207	(95)	2	(3)	-4.64	<.0001
Asymmetric	12	(5)	64	(97)	6.28	<.0001
Neurohypophysis and stalk						
Posterior pituitary bright spot						
Conserved	185	(61)	95	(97)		
Lost	78	(26)	3	(3)	-2.59	<.0001
Stalk size						
Normal	83	(32)	97	(99)	0.18	NS
Enlarged	182	(68)	1	(1)	-5.36	<.0001
Stalk Gd enhancement						
Normal isointense	96	(37)	77	(99)	-0.22	NS
Increased	167	(63)	1	(1)	-4.9	<.0001
Hypothalamus involvement						
Absent	33	(45)	10	(53)	-1.19	NS
Present	40	(55)	9	(47)	-0.29	
Dural tail sign						
Absent	232	(88)	69	(88)	-1.22	NS
Present	31	(12)	9	(12)	0.03	
Parasellar features						
Mucosal thickening						
Absent	282	(94)	76	(78)	-1.32	<.0001
Present	17	(6)	22	(22)	1.58	<.0001
Sellar floor erosion						
Absent	29	(55)	12	(24)	-0.88	.010
Present	24	(45)	37	(76)	1.31	.002
Extrasellar features						
Cavernous sinus invasion						
Absent	33	(49)	56	(57)	0.53	0.016
Present	35	(51)	42	(43)	-0.35	NS
Visual pathway involvement						
Absent	79	(40)	10	(11)	-2.06	<.0001
Present	119	(60)	84	(89)	1.72	<.0001
Internal carotid artery involvement						
Absent	22	(69)	85	(93)	1.35	<.0001
Present	10	(31)	6	(7)	-1.86	<.001

Note:—MRI indicates MR imaging; Gd, gadolinium; NS, not significant.

* Regression coefficient of the univariate logistic analysis that regressed diagnosis on each separate covariate. P value from these regressions.