On-line Table. MR imaging findings of benign and malignant parotid tumors

Discriminating Features	Benign Tumors (n = 57) (%)			Malignant Tumors (n = 27) (%)			P Value, Fisher Exact Test	Accuracy to Predict Malignancy
	Positive	Negative	Positive (1-SPEC)	Positive	Negative	Positive (SENSE)		
Male sex	29	28	50.9%	14	13	51.9%	1.0000	50.0%
Signal intensity								
T1 −	37	20	64.9%	22	5	81.5%	.1355	50.0%
T1 +	5	52	8.8%	3	24	11.1%	.7078	65.5%
T1 ++	11	46	19.3%	2	25	7.4%	.2077	57.1%
T2 −	5	52	8.8%	7	20	25.9%	.0483[a]	70.2%
T2 +	5	52	8.8%	6	21	22.2%	.1622	69.0%
T2 ++	31	26	54.4%	8	19	29.6%	.0383[a]	40.5%
TIRM −	1	56	1.8%	1	26	3.7%	.5422	67.9%
TIRM +	6	51	10.5%	3	24	11.1%	1.0000	64.3%
TIRM ++	39	18	68.4%	16	11	59.3%	.4655	40.5%
Postcontrast								
Contrast 0	2	55	3.5%	1	26	3.7%	1.0000	66.7%
Contrast −	10	47	17.5%	6	21	22.2%	.7668	63.1%
Contrast +	17	40	29.8%	11	16	40.7%	.3339	60.7%
Contrast ++	28	29	49.1%	9	18	33.3%	.2399	45.2%
Appearance								
Homogeneous SI T1	21	36	36.8%	11	16	40.7%	.8115	56.0%
Inhomogeneous SI T1	35	22	61.4%	16	11	59.3%	1.0000	45.2%
Homogeneous SI postcontrast	16	41	28.1%	12	15	44.4%	.1473	63.1%
Inhomogeneous SI postcontrast	39	18	68.4%	15	12	55.6%	.3302	39.3%
Cystic/necrotic	31	26	54.4%	11	16	40.7%	.3502	44.0%
Growth								
Defined margin	46	11	80.7%	14	13	51.9%	.0095[a]	29.8%
Ill-defined margin	10	47	17.5%	12	15	44.4%	.0155[a]	70.2%
Defined margin postcontrast	45	12	78.9%	12	15	44.4%	.0025[a]	28.6%
Ill-defined margin postcontrast	12	45	21.1%	16	11	59.3%	.0010[a]	72.6%
Focal	20	37	35.1%	11	16	40.7%	.6357	57.1%
Polylobulated	37	20	64.9%	10	17	37.0%	.0200[a]	35.7%
Diffuse	1	56	1.8%	5	22	18.5%	.0120[a]	72.6%
Single	51	6	89.5%	19	8	70.4%	.0560	29.8%
Multifocal	6	51	10.5%	8	19	29.6%	.0560	70.2%
Unilatateral	55	2	96.5%	27	0	100.0%	1.0000	34.5%
Bilateral	2	55	3.5%	0	27	0.0%	1.0000	65.5%
Superficial lobe	50	7	87.7%	16	11	59.3%	.0047[a]	27.4%
Deep lobe	2	55	3.5%	4	23	14.8%	.0810	70.2%
Both lobes	5	52	8.8%	7	20	25.9%	.0483[a]	70.2%
Spread								
Skin	1	56	1.8%	3	24	11.1%	.0955	70.2%
Subcutaneous tissue	4	53	7.0%	9	18	33.3%	.0034[a]	73.8%
Masticator space	1	56	1.8%	5	22	18.5%	.0120[a]	72.6%
Carotid space	0	57	0.0%	0	27	0.0%	1.0000	67.9%
Perineural	0	57	0.0%	5	22	18.5%	0.0026[a]	73.8%
Maxillar bone	0	57	0.0%	1	26	3.7%	0.3214	69.0%
Lymphadenopathy	2	55	3.5%	6	21	22.2%	0.0120[a]	72.6%
Reader								
Malignant prediction	11	46	19.3%	18	9	66.7%	0.0005[a]	76.2%
Correct diagnosis	40	17	70.2%	10	17	37.0%	0.0049[a]	32.1%

[a] P values for MR imaging signs that showed significant differentiation between benign and malignant tumors.
++ indicates strong hyperintensity/enhancement; +, moderate hyperintensity/enhancement; −, hypointensity/low enhancement; 0, no enhancement.