

On-line Table 1: Histologic characteristics of lymphomas, NPCs, and poorly, moderately, and well-differentiated SCCs

	Cell Attenuation	Stromal Tissues	Necrosis	Keratinized Deposits
Lymphoma	High	(±)	(-)	(-)
NPC	High	(±)	(-)	(-)
PD T2 homo	Intermediate/high	(±) ~ (+)	(-) ~ (±)	(-) ~ (±)
T2 hetero	Intermediate/high	(+)	(-) ~ (++)	(-) ~ (±)
MD T2 homo	Intermediate	(+)	(-) ~ (±)	(+)
T2 hetero	Low/intermediate	(+) ~ (++)	(+)	(+) ~ (++)
WD	Low/intermediate	(++)	(+)(++)	(++)

Note:—PD indicates poorly differentiated squamous cell carcinoma; homo, homogeneous; hetero, heterogeneous; MD, moderately differentiated squamous cell carcinoma; WD, well-differentiated squamous cell carcinoma; T2 homo/hetero, with homogeneous/heterogeneous T2 signals; stromal tissues: (±), faint; (+), intermediate; (++) , abundant amounts; necrosis/keratinized deposits: (-), absent; (±), faint; (+), moderate; (++) , large amounts.

On-line Table 2: T2 MRI signal characteristics of lymphomas and carcinomas of the nasopharynx and oropharynx^a

	No. of Tumors Having Homogeneous/Heterogeneous T2 Signals					
	Nasopharynx		Oropharynx			
	Lymphoma	NPC	Lymphoma	PD SCC	MD SCC	WD SCC
FST2WI						
Homo	7	8	17	5	3	0
Hetero	0	0	0	4	5	7
CV (%)						
T2 homo	8.2 ± 2.4	8.3 ± 1.6	7.4 ± 1.6 ^{b,c,d,f}	10.4 ± 2.9 ^b	8.6 ± 1.3 ^{d,e}	—
T2 hetero	—	—	—	16.4 ± 3.3 ^c	13.4 ± 2.1 ^{d,e}	14.8 ± 9.4 ^f

Note:—FST2WI indicates fat-suppressed T2-weighted image; Homo, homogeneous; Hetero, heterogeneous; T2 homo/T2 hetero, homogeneous/heterogeneous T2 signals as assessed by qualitative analysis of fat-suppressed T2-weighted images; PD, poorly differentiated; MD, moderately differentiated; WD, well-differentiated.

^a Heterogeneity of tumors on fat-suppressed T2-weighted images is expressed by CV (percentage ± SD).

^{b–f} Significant differences (Mann-Whitney *U* test).

^b *P* = .019.

^c *P* < .001.

^d *P* < .001.

^e *P* = .036.

^f *P* = .019.