

SUPPLEMENTAL TABLE 1. Acquisition parameters of the head and neck magnetic resonance imaging sequences.

	Slice mm	Gap mm	TR ms	TE ms	Scan type	TI ms	B-value
STIR	5	0,5	5909	70	2D/IR	165	
T1w	4	0,4	586	15	2D/TSE		
T2w	4	0,4	3742	80	2D/TSE		
DWI	4	0	11711	104	2D/GRA		0+800
T1w gd Trans	4	0,4	586	15	2D/TSE		
T1w gd Cor	4	0,4	558	14	2D/TSE		

STIR=Short-TI Inversion Recovery, T1w=T1 weighted image, T2w=T2 weighted image DWI=Diffusion weighted imaging, TR ms= Repetition time in milliseconds, TE ms=Echo time in milliseconds, TI ms=Iversion time in milliseconds, 2D/IR= Two-Dimensional Inversion-Recovery, 2D/TSE= Two-Dimensional Turbo Spin-Echo, 2D/GRA= Two-Dimensional Gradient-Echo.

SUPPLEMENTAL TABLE 2. Location of detected distant metastases in 18 of 307 patients with disseminated head and neck squamous cell carcinoma*.

Site	No. of Patients (%)
Lung	13 (72%)
Mediastinal node	5 (28%)
Bone	4 (22%)
Liver	2 (11%)
Pleura	1 (6%)
Muscle	1 (6%)

*The individual patient may have distant metastasis to one or more tumor sites.

SUPPLEMENTAL TABLE 3. The net reclassification improvement (NRI) for carcinoma staging based on 18F-fluoro-deoxy-glucose-positron emission tomography/computed tomography scan (PET/CT) compared to chest X-ray + magnetic resonance imaging of the head and neck (CXR/MRI), with all-cause mortality as endpoint.

	PET/CT stage					
CXR/MRI	Number of patients			Reclassified (%)		
	Localized	Locally advanced	Metastatic	Up-staged	Down-staged	Net correctly classified
Patients alive (n=245)						
Localized	83	36	2	45 (18.4%)	7 (2.9%)	-15.5%
Locally advanced	5	110	7			
Metastatic	0	2	0			
Patients died (n=62)						
Localized	5	9	2	22 (35.5%)	1 (1.6%)	33.9%
Locally advanced	1	33	11			
Metastatic	0	0	1			
NRI (95% CI) p-value						18.4% (2.2% to 34.6%) 0.03

CI = confidence interval.

SUPPLEMENTAL TABLE 4: The net reclassification improvement (NRI) for carcinoma staging based on 18F-fluoro-deoxy-glucose-positron emission tomography/computed tomography scan (PET/CT) compared to chest computed tomography + magnetic resonance imaging of the head and neck (CCT/MRI), with all-cause mortality as endpoint.

CCT/MRI	PET/CT stage					
	Number of patients			Reclassified (%)		
	Localized	Locally advanced	Metastatic	Up-staged	Down-staged	Net correctly classified
Patients alive (n=245)						
Localized	59	31	2	37 (15.1%)	60 (24.5%)	9.4%
Locally advanced	3	86	4			
Metastatic	26	31	3			
Patients died (n=62)						
Localized	3	8	0	13 (21.0%)	13 (21.0%)	0.0%
Locally advanced	1	24	5			
Metastatic	2	10	9			
NRI (95% CI)						9.4% (-8.6% to 27.4%)
p-value						0.31

CI = confidence interval.