

Supplementary Table S1. Lean muscle changes in the high ASMI group of patients with LAHNC

	Pre-CCRT	Post-CCRT	Percent change	P value
	(n=69)	(n=69)	(95% CI)	
Trunk (kg)	22.5±2.4	21.4±2.4	-4.6% (-6.0, -3.2)	<.001*
Waist (kg)	3.3±0.5	3.1±0.4	-6.0% (-8.0, -4.1)	<.001*
Hips (kg)	6.8±0.9	6.1±0.8	-9.2% (-10.8, -7.6)	<.001*
ASM (kg)	20.4±2.9	18.5±2.8	-9.2% (-10.8, -7.6)	<.001*
Arms (kg)	5.7±0.9	5.1±0.8	-10.4% (-12.0, -8.7)	<.001*
Legs (kg)	14.6±2.1	13.3±2.0	-9.0% (-10.8, -7.2)	<.001*

Abbreviations: ASMI, appendicular skeletal muscle index; LAHNC, locally advanced head and neck cancer; CCRT, concurrent chemoradiotherapy; CI, confidence interval; ASM, appendicular skeletal muscle

Supplementary Table S2. Lean muscle changes in the low ASMI group of patients with LAHNC

	Pre-CCRT	Post-CCRT	Percent change	P value
	(n=29)	(n=29)	(95% CI)	
Trunk (kg)	19.8±1.8	19.6±2.3	-1.2% (-4.1, 1.7)	.403
Waist (kg)	2.9±0.3	2.9±0.4	-1.4% (-5.0, 2.2)	.435
Hips (kg)	5.1±0.6	5.0±0.7	-2.3% (-5.8, 1.2)	.158
ASM (kg)	15.0±1.7	14.3±2.3	-4.2% (-8.4, -0.1)	.049*
Arms (kg)	4.3±0.6	3.9±0.9	-7.4% (-14.6, -0.1)	.057
Legs (kg)	10.6±1.4	10.3±1.8	-2.7% (-6.9, 1.5)	.195

Abbreviations: ASMI, appendicular skeletal muscle index; LAHNC, locally advanced head and neck cancer; CCRT, concurrent chemoradiotherapy; CI, confidence interval; ASM, appendicular skeletal muscle