

Supplementary Table. Dichotomization of the sub-item scores for voxel-wise analyses

Sub-item	Coded as (dichotomized)			Coded as (raw)		
	Meaning	Scores	<i>n</i> (%)	Meaning	Scores	<i>n</i> (%)
Oral phase						
Lip closure	Intact	1	62 (95.4)	Intact	0	62 (95.4)
	Impaired	0	3 (4.6)	Inadequate	1	3 (4.6)
				None	2	0 (0.0)
Bolus formation	Intact	1	61 (93.8)	Intact	0	61 (93.8)
	Impaired	0	4 (6.2)	Inadequate	1	3 (4.6)
				None	2	1 (1.5)
Mastication	Intact	1	60 (92.3)	Intact	0	60 (92.3)
	Impaired	0	5 (7.7)	Inadequate	1	3 (4.6)
				None	2	2 (3.0)
Swallowing apraxia	None	1	57 (87.7)	None	0	57 (87.7)
	Present	0	8 (12.3)	Mild	1	4 (6.2)
				Moderate	2	1 (1.5)
				Severe	3	3 (4.6)
Tongue-to-palate contact	Intact	1	63 (96.9)	Intact	0	63 (96.9)
	Impaired	0	2 (3.1)	Inadequate	1	2 (3.1)
				None	2	0 (0.0)
Premature bolus loss	None	1	37 (56.9)	None	0	37 (56.9)
	Present	0	28 (43.1)	<10%	1	19 (29.2)
				10–50%	2	6 (9.2)
				>50%	3	3 (4.6)
Oral transit time	Intact	1	44 (67.7)	≤1.5 s	0	44 (67.7)
	Delayed	0	21 (32.3)	>1.5 s	1	21 (32.3)

Pharyngeal phase						
Vallecular residue	None	1	22 (33.8)	None	0	22 (33.8)
	Present	0	43 (66.2)	<10%	1	24 (36.9)
				10–50%	2	10 (15.4)
				>50%	3	9 (13.8)
Triggering of pharyngeal swallow	Intact	1	37 (56.9)	Normal	0	37 (56.9)
	Impaired	0	28 (43.1)	Delayed	1	28 (43.1)
Laryngeal elevation	Intact	1	24 (36.9)	Normal	0	24 (36.9)
	Impaired	0	41 (63.1)	Impaired	1	41 (63.1)
Pyriiform sinus residue	None	1	28 (43.1)	None	0	28 (43.1)
	Present	0	37 (56.9)	<10%	1	12 (18.50)
				10 – 50%	2	15 (23.1)
				>50%	3	10 (15.4)
Coating of pharyngeal wall	None	1	48 (73.8)	No	0	48 (73.8)
	Present	0	17 (26.2)	Yes	1	17 (26.2)
Pharyngeal transit time	Intact	1	57 (87.7)	≤1.0 s	0	57 (87.7)
	Delayed	0	8 (12.3)	>1.0 s	1	8 (12.3)
Food aspiration into airways	None	1	21 (32.3)	None	0	21 (32.3)
	Present	0	44 (67.7)	Supraglottic penetration	1	15 (23.1)
				Subglottic aspiration	2	29 (44.6)