

Appendix1. Video Fluoroscopic Dysphagia Scale

Parameter	Funding		Parameter	Funding	
Lip closure	Intact	0	Triggering of pharyngeal swallow	Normal	0
	Inadequate	2		Delayed	4.5
	None	4			
Bolus formation	Intact	0	Vallecular residue	None	0
	Inadequate	3		<10%	2
	None	6		10-50%	4
				>50%	6
Mastication	Intact	0	Laryngeal elevation	Normal	0
	Inadequate	4		Impaired	9
	None	8			
Apraxia	None	0	Pyriform sinus residue	None	0
	Mild	1.5		<10 %	4.5
	Moderate	3		10-50%	9
	Sever	4.5		>50%	13.5
Tongue to palate contact	Intact	0	Coating on the pharyngeal wall	No	0
	Inadequate	5		Yes	9
	None	10			
Premature bolus loss	None	0	Pharyngeal transit time	<1.0 s	0
	<10 %	1.5		>1.0 s	6
	10-50%	3			
	>50%	4.5			
Oral transit time	<1.5 s	0	Aspiration	None	0
	>1.5 s	3		penetration	6
				Aspiration	12

Appendix2. Assessment of Brain MRI

Anatomical areas	Dementia	
Hippocampal atrophy	Right	Left
Temporal lobe atrophy		
Frontal lobe atrophy		
Parietal lobe atrophy		