

Swallowing symptoms associated with specific physiological abnormalities.

From Daniels SK, Huckabee ML. (2008). Dysphagia following stroke. San Diego, CA: Plural.

The symptoms of:	Occurring:	Can be secondary to:	In which phase:
Anterior leakage	Preswallow	Poor orolingual control	Oral
Inadequate bolus preparation			
Inadequate bolus formation			
Oral residual	Postswallow		
Pharyngeal pooling to the level of _____	Preswallow	Delayed pharyngeal swallow	Pharyngeal
Nasal regurgitation	During the swallow	Poor pharyngeal motility	
Inadequate epiglottic deflection		Decreased anterior hyoid movement	
		Intrinsic structural changes in supportive tissue	
Vallecular residual	Postswallow	Decreased base of tongue to posterior pharyngeal wall approximation	
		Inadequate epiglottic deflection*	
Inadequate opening of the UES*	During the swallow	Decreased anterior hyoid movement*	
		Intrinsic structural functional changes in cricopharyngeus	
Pyriform sinus residual	Post swallow	Inadequate opening of the UES*	
Penetration	Preswallow	Pharyngeal Pooling*	Oral
	During the swallow		Pharyngeal
			Oral
		Pharyngeal	
	Postswallow	Oral residual*	Oral
		Pharyngeal residual*	Pharyngeal
Aspiration	Preswallow	Pharyngeal Pooling*	Oral
	During the swallow	Inadequate true vocal fold closure	Pharyngeal
	Postswallow	Oral residual*	Oral
		Pharyngeal residual*	Pharyngeal

*Occasionally a symptom will be caused by another symptom, which requires the clinician to problem solve through to the initial presenting physiologic abnormality.