

Examination of Speech Mechanism – Nonspeech Tasks

Face				
A. At rest				
1. Symmetry				
2. Expression				
3. Abnormal, involuntary movements				
4. Tremors or fasciculations				
B. Sustained postures				
1. Retraction	Symmetry	Range	Strength	Duration
2. Rounding	Symmetry	Range	Strength	Duration
3. Puffing	Symmetry	Range	Strength	Duration
C. Movement				
1. Symmetry				
2. Range				
3. Speed				
4. Expressiveness				
Jaw				
A. At rest				
1. Position				
2. Abnormal, involuntary movements				
B. Sustained postures				
1. Opening	Symmetry	Range	Strength	Duration
2. Closing	Symmetry	Range	Strength	Duration
C. Movement				
1. Symmetry				
2. Range				
3. Speed				
Tongue				
A. At rest				
1. Symmetry				
2. Abnormal, involuntary movements				
3. Appearance				
B. Sustained postures				
1. Protrusion	Symmetry	Range	Strength	Duration
2. Lateralization	Symmetry	Range	Strength	Duration
C. Movement				
1. Range				
2. Speed				
3. Regularity				
Velopharynx				
A. At rest				
1. Position				
2. Symmetry				
3. Abnormal, involuntary movements				
B. Movement				
1. Sustained /a/	Symmetry	Range	Duration	
2. Sustained /s/			Nasal airflow	
3. Tongue anchor test			Nasal airflow	

Larynx		
A. Adduction	Cough	Glottal coup
B. Abduction		Stridor
Respiratory System		
A. Posture		
B. Quiet Breathing	Rate	Range (abdomen, thorax)
Reflexes		
A. Gag reflex		
B. Jaw jerk		
C. Sucking reflex		

Examination of Speech Mechanism – Speech Assessment

A. Vowel prolongation			
1. Pitch			
2. Loudness			
3. Voice quality			
4. Maximum duration			
B. Alternate and sequential motion rates			
1. /pΛ/	#/sec	Accuracy	Regularity
2. /tΛ/	#/sec	Accuracy	Regularity
3. /kΛ/	#/sec	Accuracy	Regularity
4. /pΛtΛkə/	#/sec	Accuracy	Regularity
C. Contextual speech – read standard passage aloud			
D. Stress testing – counting for 2 to 4 minutes without break			
E. Motor speech programming tasks (words of increasing number of syllables)			
F. Intelligibility assessment (% intelligible words, rate intelligibility)			