

Participant #:

Date:

Experimenter ID:

## **Robbins & Klee (1987)**

### **Administration & Scoring**

#### **Items needed**

- Gloves
- Flashlight
- Mirror
- Cup of water with straw

#### **Directions & Scoring**

For structural items (with 1 0 scores): Make observation from structures at rest.

*1 = normal*

*0 = abnormal*

For functional items (with 2 1 0 scores): Instruct child and observe. Verbally instruct child to perform each task (e.g., "Bite your lower lip"). Suggested prompts are given on the score form.

*2 = adult like function*

*1 = emerging skill (e.g., an approximation of the target that lacks adult-like precision)*

*0 = absent function (e.g., no approximation of the behavior)*

If child does not perform the task, give child a visual and/or auditory model. For example, instruct the child to watch as you bite your own lip or hold the /a/ phonation.

If target behavior is not elicited after 3 attempts, proceed to the next test item.

#### **Total Scoring**

At the end of the session, add up the scores for the Structural items and for the Functional items separately, and enter them on the form.

Total Structural Score (TSS): 24 points maximum

Total Functional Score (TFS): 102 points maximum

Structure (CN)	Observation / Task	Instructions	Score
<b>Lips (CN VII)</b>			
<b>Structure at rest</b>	1. Symmetry	<i>(observe 1-2; no task instructions)</i>	1 0
	2. Relationship (open vs. closed)		1 0
<b>Oral function</b>	3. Rounding	Round your lips	2 1 0
	4. Protrusion (blowing)	Pucker your lips	2 1 0
	5. Retraction	Smile	2 1 0
	6. Alternate pucker/smile	Pucker and then smile	2 1 0
	7. Bite lower lip	Bite your lower lip	2 1 0
	8. Lip seal	Close your lips	2 1 0
	9. Puff cheeks	Puff your cheeks	2 1 0
	10. Open-close lips	Open and then close your lips	2 1 0
<b>Speech function</b>	11. Rounding /oʊ/	Say /oʊ/	2 1 0
	12. Protrusion /u:/	Say /u:/	2 1 0
	13. Retraction /i:/	Say /i:/	2 1 0
	14. Alternate /u/-/i/	Say /u/-/i/	2 1 0
	15. Bite lower lip /f/	Say /f/	2 1 0
	16. Open-close lips /mʌ/	Say /mʌ/	2 1 0
<b>Mandible (CN V)</b>			
<b>Structure at rest</b>	17. Symmetry	<i>(observe 17-19; no task instructions)</i>	1 0
	18. Occlusion		1 0
	19. Size (re: facial features)		1 0
<b>Oral function</b>	20. Excursion (click teeth 5 x)	Click your teeth 5 times	2 1 0
<b>Maxilla</b>			
<b>Structure at rest</b>	21. Symmetry	<i>(observe; no task instructions)</i>	1 0
<b>Teeth</b>			
<b>Structure at rest</b>	22. Size	Open your mouth <i>(observe 22-26 with flashlight)</i>	1 0
	23. Decay		1 0
	24. Alignment		1 0
	25. Gaps		1 0
	26. Missing		1 0
	27. Occlusion (re: Maxillary teeth)	Bite down and show me your teeth	1 0

Structure (CN)	Observation / Task	Instructions	Score
<b>Tongue (CN XII)</b>			
<b>Structure at rest</b>	28. Symmetry	Open your mouth ( <i>observe 28-33 with flashlight</i> )	1 0
	29. Carriage		1 0
	30. Fasciculations		1 0
	31. Furrowing		1 0
	32. Atrophy		1 0
	33. Hypertrophy		1 0
<b>Oral function</b>	34. Protrusion	Stick out your tongue.	2 1 0
	35. Elevation to alveolar ridge	Put your tongue behind your upper teeth	2 1 0
	36. Anterior-posterior sweep	Lick the roof of your mouth from front to back	2 1 0
	37. Interdental	Put your tongue between your teeth	2 1 0
<b>Speech function</b>	38. Elevation to alveolar ridge	Say /n/ (or /t/ or /l/)	2 1 0
	39. Lateral edges of tongue to teeth	Say /s/ (or /ʃ/)	2 1 0
	40. Interdental	Say /θ/	2 1 0
	41. Posterior tongue to palate	Say /k/ (or /g/)	2 1 0
<b>Velopharynx (CN X)</b>			
<b>Structure at rest</b>	42. Symmetry	Open your mouth ( <i>observe 42-45 with flashlight</i> )	1 0
	43. Uvula		1 0
	44. Tonsils		1 0
	45. Vault height		1 0
	46. Palatal juncture (palpate)	I will touch the roof of your mouth; open wide ( <i>use gloves</i> )	1 0
<b>Oral function</b>	47. Blow on cold mirror	Blow on the mirror ( <i>hold mirror</i> )	2 1 0
	48. Suck through straw	Suck on this straw ( <i>give cup of water with straw</i> )	2 1 0
<b>Speech function</b>	49. /a:/	Say /a:/ (demonstrate)	2 1 0
	50. /ha.ha.ha/	Say /ha.ha.ha/	2 1 0

Structure (CN)	Observation / Task	Instructions	Score
<b>Larynx-respiration (CN X)</b>			
<b>Structure at rest</b>	51. Posture during quiet breathing		1 0
<b>Oral function</b>	52. Cough, laugh, or cry	Cough (or laugh)	2 1 0
<b>Speech function</b>	53. Pitch variation	(judge 53-54 from speech sample)	2 1 0
	54. Loudness variation		2 1 0
	55. /ha.ha.ha/	(judge from item 50)	2 1 0
<b>Coordinated speech movements</b>			
	61. you	Say what I say:	2 1 0
	62. top		2 1 0
	63. beef		2 1 0
	64. fume		2 1 0
	65. cowboy		2 1 0
	66. Band-Aid		2 1 0
	67. half time		2 1 0
	68. banana		2 1 0
	69. kitty cat		2 1 0
	70. puppy dog		2 1 0
	71. communicate		2 1 0
	72. 1950		2 1 0
	73. potato head		2 1 0
	74. Winnie the Pooh		2 1 0
<b>Speech Sample</b>			
<b>Prosody</b>	75. Rate	(judge 75-80 from speech sample)	2 1 0
	76. Intonation		2 1 0
<b>Voice</b>	77. Pitch		2 1 0
	78. Loudness		2 1 0
	79. Quality		2 1 0
	80. Nasal Resonance		2 1 0

**Total Structural Score**

**/24**

**Total Functional Score**

**/102**

Robbins & Klee (1987) protocol