



CONFIDENTIAL

**University of Nevada, Reno Speech and Hearing Clinic
Summary of Progress – Fall 2017**

Date of Report: 12/04/2017	
Name: Zachary Holm	Spouse: Sarah Holm
Address: PO Box 4501, Incline Village, NV 89450	Telephone: 775-671-0955
DOB: 3/1/1972	Alt. Telephone: 775-772-0398
Age: 45;5	
SLP: Rachael Walden, M.S. CCC-SLP	Referred By: Emily Smith, M.D.
Graduate Clinician: Hanna Crews B.S., Jordan Harris B.S.	CPT Code: 92507
✓ ICD-10 Code(s): I69.320 Aphasia following cerebral infarction, I69.390 Apraxia following cerebral infarction	
✓ Dates of service: 9/6/17, 9/11/17, 9/13/17, 9/18/17, 9/20/17, 9/25/17, 9/27/17, 10/2/17, 10/3/17, 10/4/17, 10/9/17, 10/10/17, 10/11/17, 10/12/17, 10/16/17, 10/23/17, 10/24/17, 10/25/17, 10/26/17, 10/30/17, 10/31/17, 11/1/17, 11/6/17, 11/7/17, 11/13/17, 11/14/17, 11/15/17, 11/16/17, 11/20/17, 11/21/17, 11/27/17, 11/28/17, 11/29/17, 11/30/17	

I. Current Status:

Zachary "Zack" Holm is a 45 year old male who was seen at the University of Nevada, Reno Speech and Hearing clinic for a speech and language evaluation on 6/28/2016 to determine presence and severity of aphasia and apraxia. Mr. Holm was referred to the UNR speech clinic by Dr. Emily Smith following a craniotomy to remove a large hematoma, and a subsequent cerebral infarction. It was found that Mr. Holm had a moderately severe non-fluent aphasia consistent with Broca's type aphasia and speech patterns were consistent with apraxia of speech at that time.

Mr. Holm lives in Reno with his wife Sarah and their dog Molly.

Mr. Holm's goals for Fall 2017 session focused on production of correct information units (CIUs) and word level intelligibility.

II. Summary of Progress:

A. Goal 1: Increase use of CIUs in connected speech.

Objective 1: Client will increase CIUs to 75% in descriptive tasks independently across 2 sessions.

Baseline: 66% accuracy during descriptive task.

Approaches/Strategies Used: Mr. Holm was verbally presented with a word (i.e. pronouns, determiners, prepositions, verbs, target word of his choice), he was expected to write and repeat the word five times. Simple short sentence practice consisted of Mr. Holm practicing determiner, verb, adverbs, and nouns with a target

word of his choosing. The target word was written in the center of the white board and the determiners were written on the left side and a noun, verb, or adverb was written on the right side. Mr. Holm practiced verbally producing the branches and the target word. Phonetic and orthographic verbal cues were provided as needed. Client was asked to expand on simple sentence starters to make longer and more complex sentences.

Progress/Final Data:

	11/27/17	11/29/17
Task 1: % of CIUs	72.7%	73%
Task 2: % of CIUs	71.4%	77.2%
	Average: 72.05%	Average: 75.1%

Met/Not Met, Continue: Met, continue with a higher criterion. Though Mr. Holm achieved his target goal of 75% CIUs in descriptive tasks his performance is inconsistent and further practice of this skill is necessary to improve the clarity and efficiency of his verbal communication.

Objective 2: Client will increase CIUs to 60% in procedural tasks independently across 2 sessions.

Baseline: 50% accuracy during procedural task description.

Approaches/Strategies Used: Mr. Holm was verbally presented with a word (i.e. pronouns, determiners, prepositions, verbs, target word of his choice), he was expected to write and repeat the word five times. Simple short sentence practice consisted of Mr. Holm practicing determiner, verb, adverbs, and nouns with a target word of his choosing. The target word was written in the center of the white board and the determiners were written on the left side and a noun, verb, or adverb was written on the right side. Mr. Holm practiced verbally producing the branches and the target word. Phonetic and orthographic verbal cues were provided as needed. Client was asked to expand on simple sentence starters to make longer and more complex sentences.

Progress/Final Data:

	11/27/17	11/29/17
Task 1: %of CIUs	63.1%	45.4%
Task 2: %of CIUs	75.4%	64%
Task 3: %of CIUs	75%	51.7%
Task 4: %of CIUs		70.8%
	Average: 71.16%	Average: 57.97%

Met/Not Met, Continue: Not met, continue to target CIU production during procedural task descriptions. Mr. Holm has not demonstrated the ability to consistently reach 60% CIUs or more in connected speech during procedural task descriptions.

- B. **Goal 2:** Increase accuracy in production of parts of speech contributing to percentage of CIUs used in connected speech.

Objective 1: Client will increase accuracy in production of pronouns to 70 % accuracy in spontaneous sentence production independently across 2 sessions.

Baseline: 5/10 = 50% accuracy

11/27/17	6/9 = 66%	I delivered mail the post office The man's ladder broken My grocery bag
		2/2 = 100%
11/29/17	5/9 = 55%	23 spontaneous sentences: 5/7 = 71%
	Average 60.5%	Average 7/9 = 77%

Met/Not Met, Continue: Not met, continue. Mr. Holm did not consistently and accurately incorporate determiners in spontaneous sentence production.

Objective 4: Client will increase accuracy of verb production to 40% in spontaneous sentence production independently across 2 sessions.

Baseline: 2/10 = 20% accuracy

Approaches/Strategies Used: Verbs were verbally presented to Mr. Holm he was instructed to write and verbally repeat the word 5 times. Phonetic and sound/letter correspondence cues were provided when needed.

Progress/Final Data:

Date	Verbs: Oral reading accuracy	Verbs: Spontaneous sentences
11/27/17	3/6 = 50%	I delivered mail the post office The man's ladder broken My grocery bag
		1/3 = 33%
11/29/17	5/6 = 83%	23 spontaneous sentences: 9/12 = 75%
	Average 66.5%	Average 10/15 = 66%

Met/Not Met, Continue: Met, continue with higher criterion. Although Mr. Holm met this objective the variety of verbs he used was limited. Continuing to target verbs will facilitate an increase in CIU production and will add clarity to his verbal communication.

- III. **Analysis/Clinical Judgment:** Mr. Holm met 3 of his 6 objectives. Across all tasks Mr. Holm's words spoken per minute has decreased and his CIUs spoken per minute have increased. The number of CIUs used by Mr. Holm increased in his descriptive tasks consistently. CIUs used in procedural tasks were inconsistent ranging from 45% to 75% in connected speech. Accessing and expressing explicit knowledge is more difficult for Mr. Holm than descriptive tasks, even when the explicit knowledge is a familiar task such as putting on his skis.

Overall, Mr. Holm increased his use of pronouns, prepositions, determiners, and verbs. However, he should continue with the target of increasing use and accuracy in all parts of speech. The variety of verbs used in spontaneous speech was limited (i.e do, go, going, is). Clarity and efficiency of messages in spontaneous connected speech would benefit from an increase in the variety and use of verbs.

Mr. Holm has progressed in his accuracy and CIU production in spontaneous connected speech. Next session should return to the more complex sentence drilling protocol trialed in September. Mr. Holm felt this activity helped him to generalize skills outside of the clinic.

Approaches/Strategies Used: Pronouns were verbally presented to Mr. Holm and he was instructed to write and verbally repeat the word 5 times. Phonetic and sound/letter correspondence cues were provided when needed.

Progress/Final Data:

Date	Pronouns: Oral reading accuracy	Pronouns: Sentence production
11/27/17	9/15 = 60%	I delivered mail the post office The man's ladder broken My grocery bag
		2/2 = 100%
11/29/17	8/15 = 53%	23 spontaneous sentences: 8/12 = 66%
	Average 56.5%	Average 71%

Met/Not Met, Continue: Not met, continue. Mr. Holm has not demonstrated the ability to consistently and independently include pronouns in spontaneous sentence productions accurately.

Objective 2: Client will increase accuracy in production of prepositions to 30% in spontaneous sentence production independently across 2 sessions.

Baseline: 1/10 = 10% accuracy

Approaches/Strategies Used: Prepositions were verbally presented to Mr. Holm and he was instructed to write and verbally repeat the word 5 times. Phonetic and sound/letter correspondence cues were provided when needed.

Progress/Final Data:

Date	Prepositions: Oral reading accuracy	Prepositions: Sentence production
11/27/17	9/14 = 64%	I delivered mail the post office The man's ladder broken My grocery bag
		0/1 = 0%
11/29/17	10/14 = 71%	23 spontaneous sentences: 3/5 = 60%
	Average 67.5%	Average 3/6 = 50%

Met/Not Met, Continue: Met, continue with a higher criterion. Mr. Holm should continue to target this part of speech to maintain progress and work on generalization in spontaneous sentence production.

Objective 3: Client will increase accuracy in production of determiners to 70% in spontaneous sentence production independently across 2 sessions.

Baseline: 5/10 = 50% accuracy

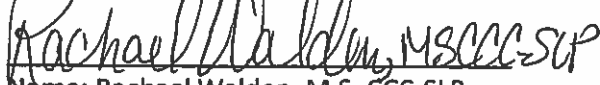
Approaches/Strategies Used: Determiners were verbally presented to Mr. Holm and he was instructed to write and verbally repeat the word 5 times. Phonetic and sound/letter correspondence cues were provided when needed.

Progress/Final Data:

Date	Determiners: Oral reading accuracy	Determiners: Sentence production
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- IV. **Recommendations:** Mr. Holm should continue to receive skilled speech intervention services at the UNR speech clinic four times a week for one hour sessions.

Date Report Completed: 12/4/17

 MSCCC-SLP

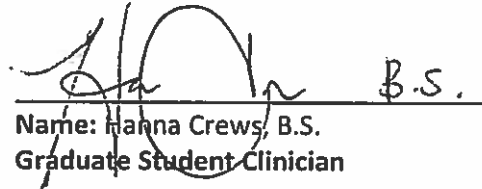
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Speech-Language Pathologist/Supervisor



Name: Jordan Harris, B.S.

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