



University of Nevada, Reno
School of Medicine

Speech Pathology - Reno

Univ of Nevada, Reno 1664 N Virginia St MS 0152 Reno, NV 89557
(775) 784-4887 Fax:

Print Date: July 3, 2019

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Speech Pathology

ZACHARY A HOLM

Male DOB: 03/01/1972
841 INS ID: 901464468

Home: (775) 772-0398

10420042Ins: UNITED HEALTHCARE POB 740800 Grp:

05/02/2019 - Speech Pathology: Progress Summary

Provider: Alyssa Ingrao

Location of Care: Speech Pathology - Reno

Progress Status

Mr. Zachary "Zack" Holm, 47 year old male, attended his 9th treatment term of Speech-Language Pathology intervention at the University of Nevada, Reno (UNR) Speech and Hearing Clinic. Mr. Holm was initially referred to our clinic by Dr. Emily Smith for evaluation and treatment of communication impairment following a cerebral infarction. Initial evaluation performed at our clinic 6/28/2016 was remarkable for non-fluent aphasia, anomia, and apraxia of speech (AoS). Please see initial report 6/28/2016 for complete details.

Previous treatment periods have focused on functional communication goals with emphasis on speech intelligibility and expressive language skills, specifically targeting production of intended words. Previous treatment techniques have included Combined Aphasia and Apraxia of Speech Treatment (CAAST), Verb Network Strengthening Treatment (VNEST) and Sound Production Treatment. In the previous 8 treatment periods, Mr. Holm has demonstrated steady gains in naming functional nouns, Correct Information Units (CIU), compensatory strategies, verb tenses, pronoun "he" and communication scripts. He demonstrated reduced accuracy in the production of parts of speech such as determiners and pronouns.

Mr. Holm identified wanting to independently communicate with others as his primary concern which was targeted in treatment.

Summary of Progress

Goal # 1: Improve oral expressive language abilities by increasing Correct Information Units (CIUs) in descriptive and procedural tasks.

Objective 1: Produce pronouns in subject-verb-object sentence forms with 90% accuracy and modified independence (visual representation).

Status: Discontinued

Baseline Measures: Pronoun "he" was used correctly 8/10 (80%) opportunities. Pronoun "she" used correctly 5/10 opportunities (50%).

Approaches / Strategies Used: This objective was targeted using recast. Mr. Holm was given verbal clinician assistance during conversation when he did not produce the correct pronoun. The sentence was recasted for Mr. Holm by the clinician and then he repeated it.

Progress / Final Data: Mr. Holm produced "she" with 6/10 (60%) accuracy and "he" with 5/10 (50%)



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accuracy with picture cards in a clinical environment with no support from clinician. Mr. Holm produced "she" with 3/6 (50%) accuracy and "he" with 5/5 (100%) accuracy in spontaneous conversation without clinician support.

Objective 2: Produce irregular past tense verbs in subject-verb-object sentence forms with 80% accuracy independently.

Status: Met

Baseline Measures: 0 of 5 opportunities

Approaches / Strategies Used: This objective was targeted with a recast strategy. During conversation, Mr. Holm was given verbal clinician assistance when he did not use an irregular past tense verb if it was obligated. He was then asked to repeat the sentence using the correct irregular past tense verb.

Progress / Final Data: Mr. Holm produced irregular past tense verbs in SVO with 80% accuracy or above across 3 sessions (4/4/19 93%, 4/11/19 80%, and 4/15/19 82%).

Objective 3: Produce past tense verbs in subject-verb-object sentence forms with 80% accuracy independently.

Status: Met

Baseline Measures: 0 of 5 opportunities

Approaches / Strategies Used: This objective was targeted with a recast strategy. During conversation, Mr. Holm was given verbal clinician assistance when he did not use a past tense verb if it was obligated. He was then asked to repeat the sentence using the correct past tense verb..

Progress / Final Data: Mr. Holm produced past tense verbs in SVO sentences with 80% accuracy or above across 3 consecutive sessions (3/14/19 83%, 3/25/19 88%, and 3/27/19 85%).

Objective 4: Increase independent production of verbs in subject-verb-object sentence forms during narratives in conversation with a diverse array of communication partners and settings from 86% to 90% accuracy independently.

Status: Met

Baseline Measures: 20% accuracy.

Approaches / Strategies Used: This objective was targeted with a recast strategy. During conversation, Mr. Holm was given verbal clinician assistance when he did not use a verb when it was obligated. He was then asked to repeat the sentence using a verb in an SVO sentence structure.

Progress / Final Data: Mr. Holm produced verbs in SVO sentences with between 86% and 90% accuracy or above across 3 consecutive sessions (4/18/19 93%, 4/22/19 93%, and 4/24/19 88%).

Objective 5: Compensate for word finding difficulties in conversational speech with 90% accuracy independently.

Status: Met

Baseline Measures: During observation, clinicians asked for clarification while word finding. The use of a white board/phone/i pad/gestures were utilized in 4/5 opportunities independently and 1/5 opportunities with minimal clinician support. SFA organizer was present in the therapy room but was not used during conversation.

Approaches / Strategies Used: During conversation Mr. Holm was encouraged to use the white board, his phone/iPad, asking for clarification, and gestures when clarification was needed.

Progress / Final Data: Mr. Holm independently compensated for word finding difficulties during



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conversation with 90% accuracy (4/24/19).

Objective 6: Increase word level speech accuracy of monosyllables with 90% accuracy independently.

Status: Continue

Baseline Measures: Mr. Holm received an overall mild severity rating on the Apraxia Battery for Adults, Second Edition.

Approaches / Strategies Used: Mr. Holm benefitted from receiving verbal cueing from the clinician. Cueing was presented in the form of phonemic cueing and full models. Mr. Holm checked in for correctness if he was unsure on the accuracy of his independent production.

Progress / Final Data: Mr. Holm received 80% (283 /350) accuracy on a previously practiced word list.

Status: Discontinued

Status: Discontinued

Status: Discontinued

Baseline Measures: .

Summary of Findings

Mr. Zachary "Zack" Holm, 47 year old male, attended his 9th treatment term of Speech-Language Pathology intervention at the University of Nevada, Reno (UNR) Speech and Hearing Clinic targeting expressive language and motor speech impairments following CVA.

Goals and objectives this treatment period targeted expressive language with an emphasis on CIUs (LTG1), use of pronouns (G1O1), verb tenses (G1O2, G1O3, G1O4), compensatory strategies (G1O5), verb use (G1O2, G1O3, G1O4), sentence structure (G1O2, G1O3, G1O4), and accuracy of speech production (G1O6).

Mr. Holm attended 34 treatment sessions this period and achieved 4/6 objectives targeting compensatory word finding, past tense verbs in SVO sentences, verbs in SVO sentences, and irregular past tense verbs in SVO sentences. Mr. Holm demonstrated an improved accuracy in production of irregular verb tenses (improved from 0% independently to 82% independently), regular past tense verbs (improved from 0% independently to 85% independently), compensatory strategies (improved from 100% and minimal clinician support to 90% independently), and sentence structures (improved from 20% independently to 88% independently). CIUs collected during a descriptive narrative increased from 28% at baseline to 49% during final session.

Mr. Holm is also demonstrating progress towards but has not yet achieved the remaining 2/6 objectives: speech accuracy in monosyllables and pronouns "he" and "she."



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Mr. Holm is demonstrating progress toward the objective targeting speech accuracy, but due to the variation of sounds in targeted word lists and the variable nature of apraxia, this objective has not been met.

Pronoun "he" and "she" are inconsistent when produced in structured responses and conversational responses. Accuracy from structured picture cards for pronoun "he" decreased from 80% to 50%, but improved when used in conversation at 100% accuracy. Accuracy for pronoun "she" increased with structured picture cards from 50% to 60%, and maintained when used in conversation at 50%.

Mr. Holm demonstrated marked gains with intervention and we anticipate improvement with additional intervention. Speech Therapy services are deemed medically necessary at this time. In the report dated 2/4/2019, Mr. Holm presented with difficulties in grammatical structure, pronoun use, past tense, and apraxia. It can be expected that measurable progress will be documented in a reasonable amount of time with continued services. Services will be provided safely and effectively and in an appropriate environment by and/or under the direction of a licensed Speech-Language Pathologist. It is not anticipated that the impairments identified will self-correct without skilled intervention. Services provided in this clinic are not of an educational nature.

Recommendations

Intervention is recommended at the UNR Speech Pathology clinic.
Continue intervention targeting expressive language and motor speech.
Intervention is recommended at the UNR Speech Pathology clinic.

4 times weekly for 8 weeks

Graduate Student Clinician 1: Alyssa Ingrao

Referring Provider: SMITH, EMILY

Primary Care Provider: SMITH PA-C, SAMANTHA

Electronically signed by Alyssa Ingrao on 05/09/2019 at 1:53 PM

Electronically signed by Amanda Morrissey CCC-SLP on 05/10/2019 at 8:51 AM
