

**Rejuvenating lost communication of the patient with broca's aphasia through
script training**



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Researcher's Declaration

I, Mr. Nadir Ali Shah do here by solemnly declare that the present work in this dissertation has not been previously submitted to any other institute for a degree.

Dedication

My Beloved Late Father and Caring Mother

Whose spiritual supervision

heartened me ever

And facilitated my learning to be a "success"

My Dear Wife and Kids

Who implore for my

Success and prosperity

Nadir Ali

Acknowledgement

All grandeur is to Almighty Allah, the unending of this universe, the most Beneficent, the most Merciful. And all honors and admirations are due to his Blessed Prophet Mohammad, whose blessings are exaltations, flourished my thoughts and flourished my ambitions to have cherished fruits of my modest efforts in form of this write up.

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N.A.S.

Abstract

All treatment approaches for aphasic disorders that have positive outcomes are either traditional, focusing linguistic ability or functional, concentrating communicative competence. This study investigates treatment approach, script training which combines the both aspects. Script training attempts to restore automatic, natural and unforced context-specific speech production for patients with Broca's aphasia.

To examine results of script training intervention a single subject multiple baseline research design across behaviors was used to conduct the study. The purpose of this study was to explore outcomes of script training on production of intelligible scripted words, rate of speaking and errors production for single participant with severe Broca's aphasia. Script training intervention delivered in-session and via video recorded clips for home practice. The participant learned all scripts successively and achieved mastery. The probes were obtained during baseline, treatment, maintenance and generalization phases of the study for tracking the spoken use of scripted content.

The participant showed improvement on all dependent variables across all six scripts, with the largest increase in percent intelligible scripted words. Large effect size was reported for words per minute and small for errors per words. He also demonstrated functional use of learned scripts in less structured conversational context. The result of the study showed that video recorded sessions of script training added positively to the positive effects of in-session treatment. The use of self-cuing strategy, participant's motivation for treatment and severity level of disorder influenced his performance.

The findings of this study propose script training intervention as an effective therapy for rejuvenating lost communication of patients with severe Broca's aphasia.

Keywords: Aphasia, Script learning, Language deficit, Automatic speech, Conversational context, Patients with Broca's aphasia.

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Chapter One

Introduction

1.1 Overview of the Chapter

This chapter includes background of the study and it also includes the identification, limitation and formulation of study. The purpose of the study and its implications are also discussed in this chapter. Section four of this chapter formulates the statement of problem. Objective of the study and research questions are discussed in the subsequent sections. A summary of this discussion is presented at the end of the chapter.