

# Enhancing Cross-Linguistic Recovery through Transcranial Direct Current Stimulation for Bilingual Aphasia -A Case Report

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## INTRODUCTION

1/4<sup>th</sup> of Indians are bilinguals (Census, 2011)

Bi/Multilingual aphasia – rehabilitation

tDCS- enhances functional recovery (Husna et a., 2025)

## NEED FOR THE STUDY

- Most RCTs – monolingual aphasia (Elsner et al., 2020)
- Only Cerebellar tDCS studies – bilingual aphasia
- tDCS studies – less evidence - QOL and cross-language

## AIM

To evaluate the effects of tDCS combined with SLT in a bilingual PWA.

## METHOD

Design: SSD; double blinded

Screening; WAB; BNT; CETI in both languages; QoL measures

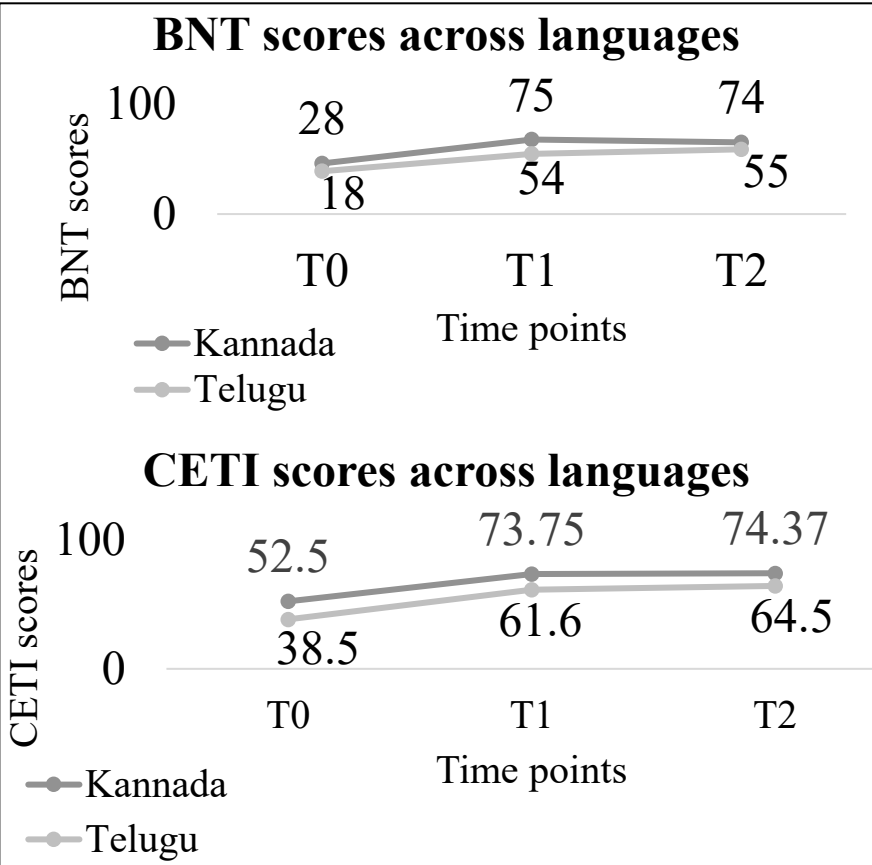
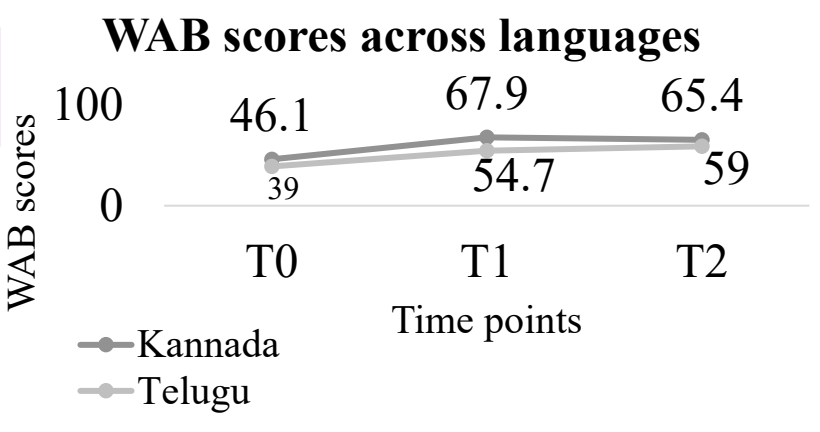
60y/m; Kannada-Telugu bilingual

tDCS+SLT: 15 days 1-hour sessions; Treated L - Kannada

1mA; 20 mins; Anode: Left IFG; Cathode: CSOR

## RESULTS & DISCUSSION

Tests	T0	T1	T2
SAQOL	4.64	4.74	4.79
LISAT-9	6	6	6



## CONCLUSION

Preliminary evidence on the effectiveness of using tDCS on bilingual PWA in India.

## REFERENCES

