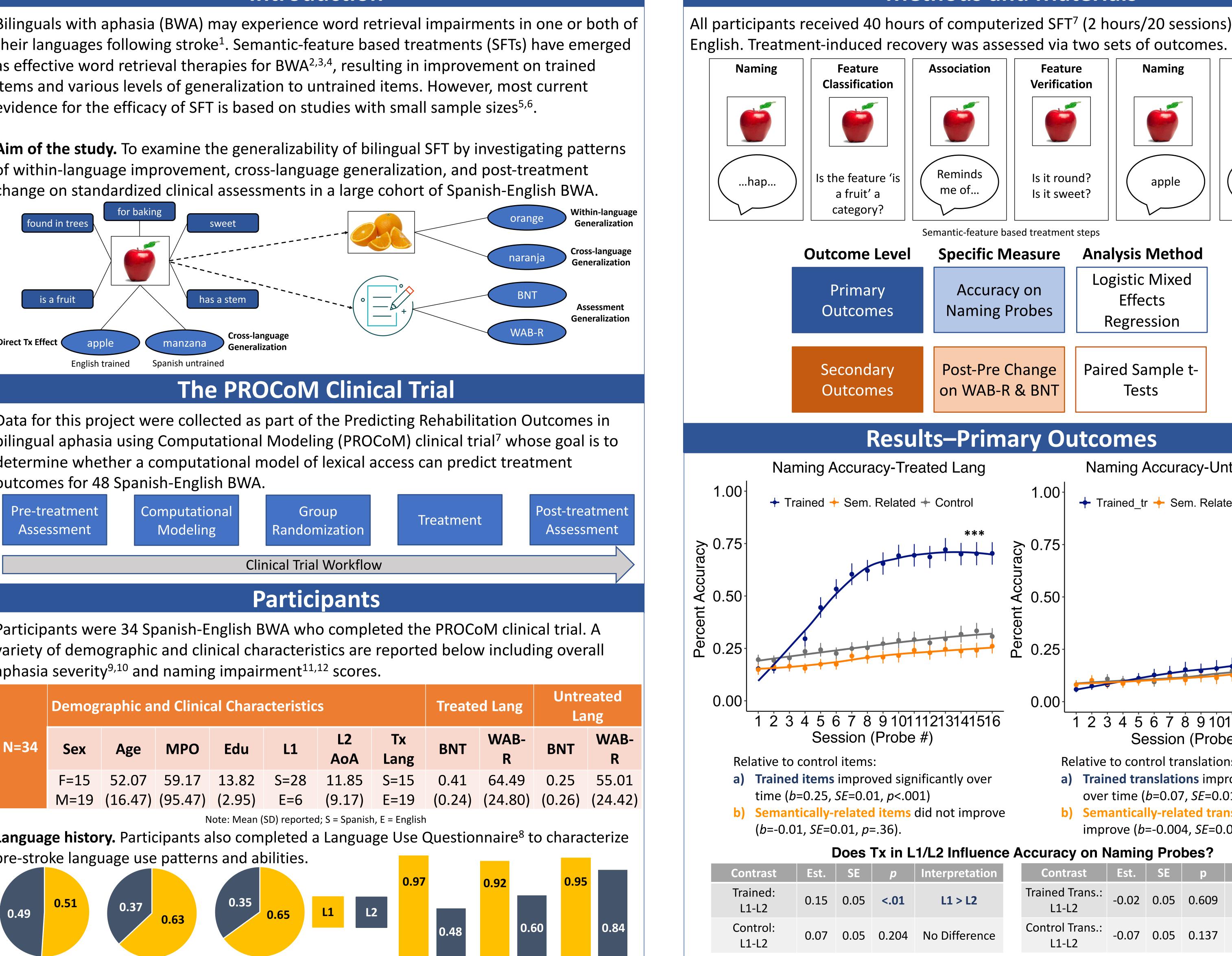
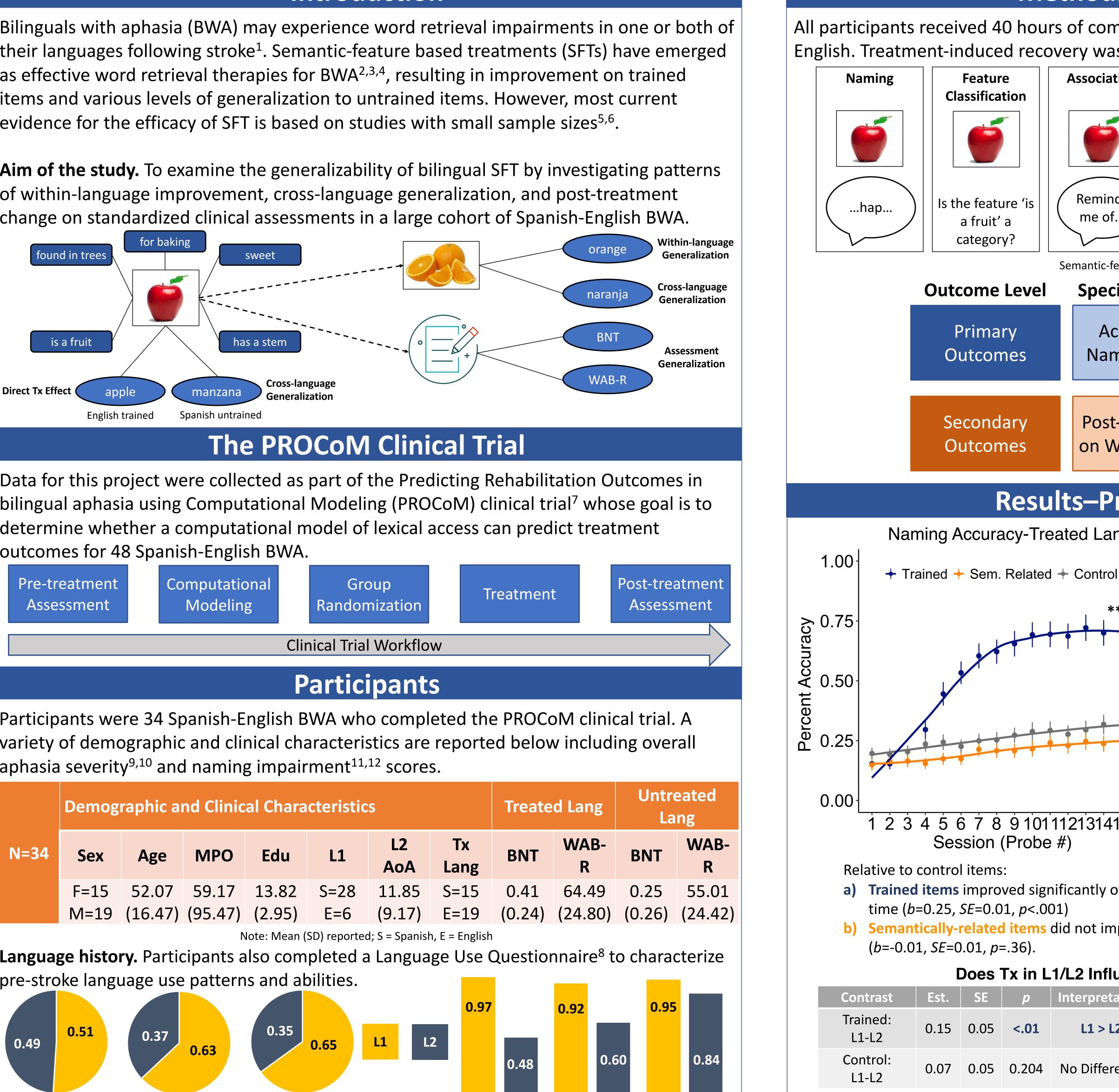
# Treatment outcomes and generalization effects following semantic-feature based naming therapy for bilingual aphasia

## BOSTON UNIVERSITY

### Introduction

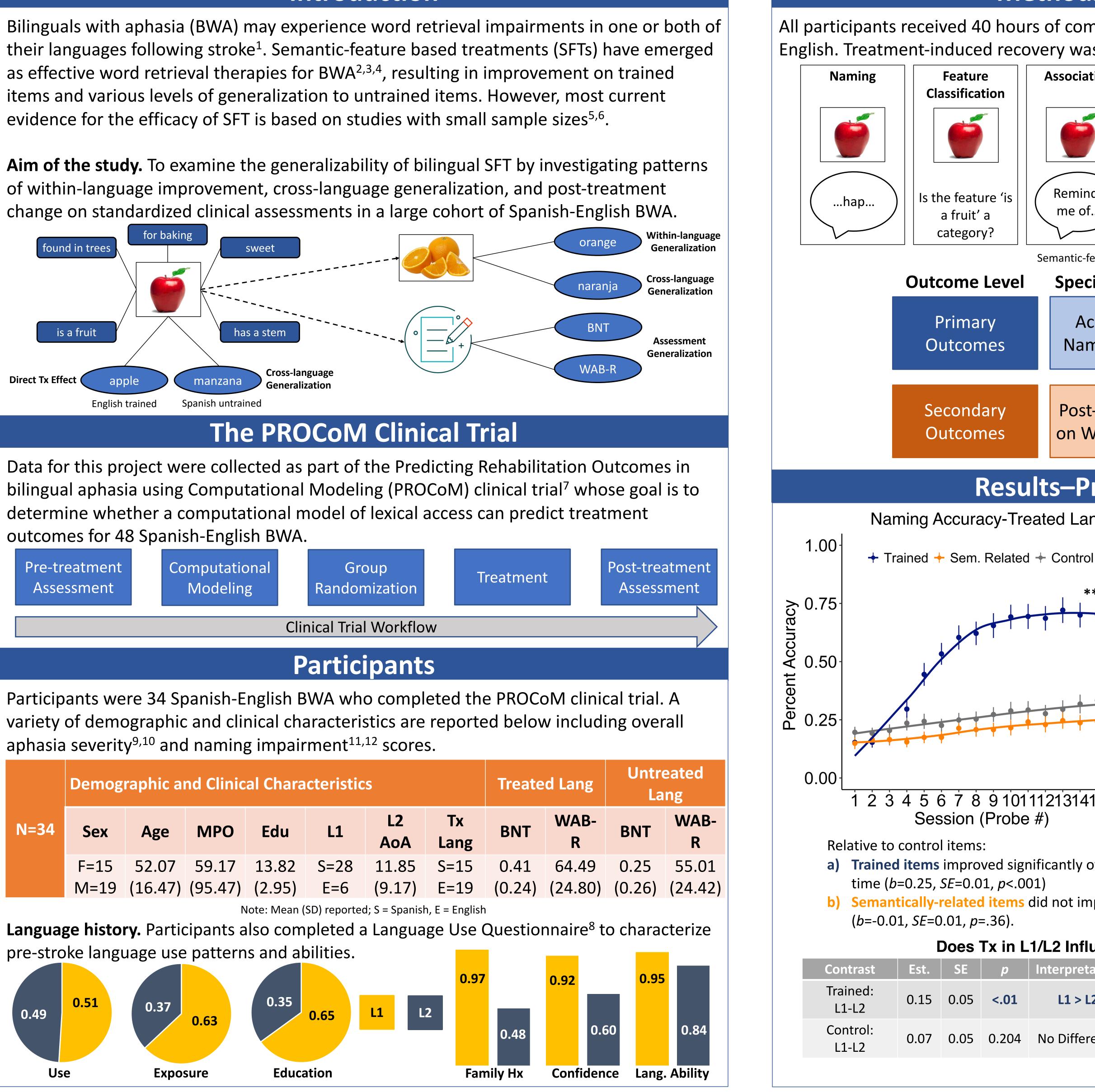


outcomes for 48 Spanish-English BWA.



aphasia severity<sup>9,10</sup> and naming impairment<sup>11,12</sup> scores.

N=34	Demographic and Clinical Characteristics							Treate
	Sex	Age	MPO	Edu	L1	L2 AoA	Tx Lang	BNT
	F=15	52.07	59.17	13.82	S=28	11.85	S=15	0.41
	M=19	(16.47)	(95.47)	(2.95)	E=6	(9.17)	E=19	(0.24)
Note: Mean (SD) reported: S = Spanish, E = English								



### Contact

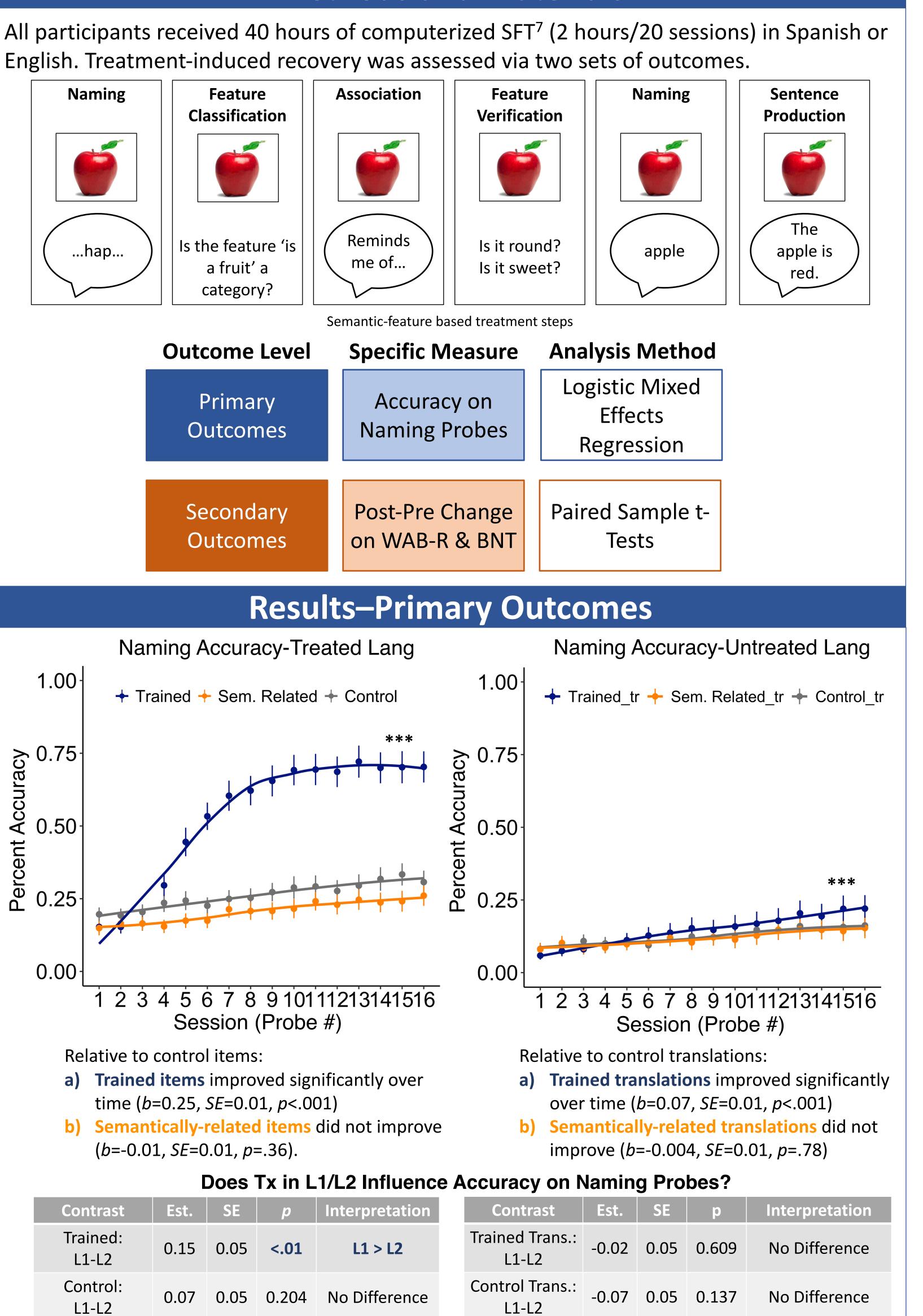
Michael Scimeca, M.S. Aphasia Research Laboratory Dept. of Speech, Language, and Hearing Sciences **Boston University** mscimeca@bu.edu

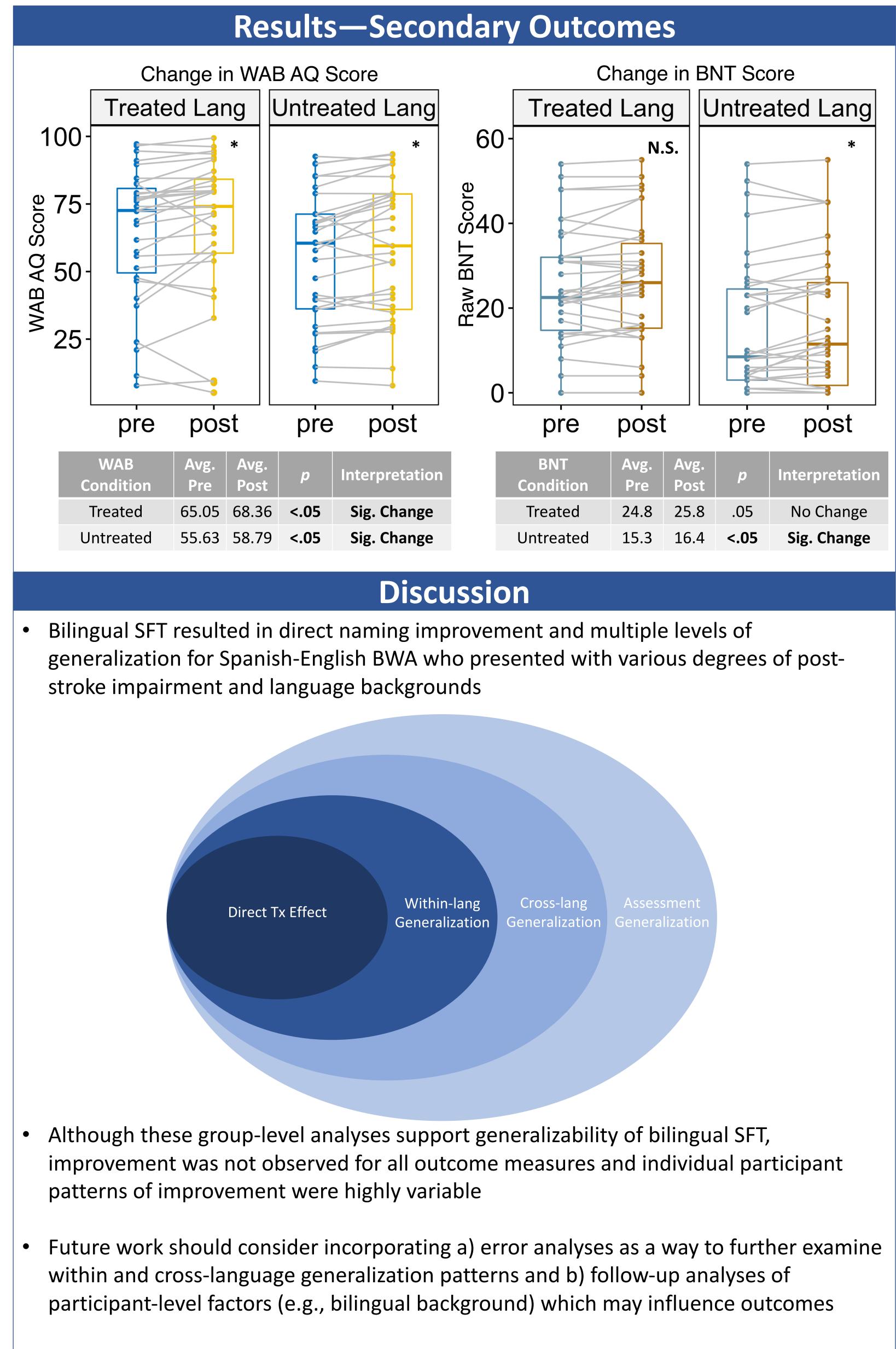
Michael Scimeca<sup>a</sup>, Claudia Peñaloza<sup>b</sup>, Swathi Kiran<sup>a</sup> <sup>a</sup>Aphasia Research Laboratory, Boston University, Boston, MA, USA; <sup>b</sup>Department of Cognition, Development, and Psychology, University of Barcelona, Barcelona, Spain

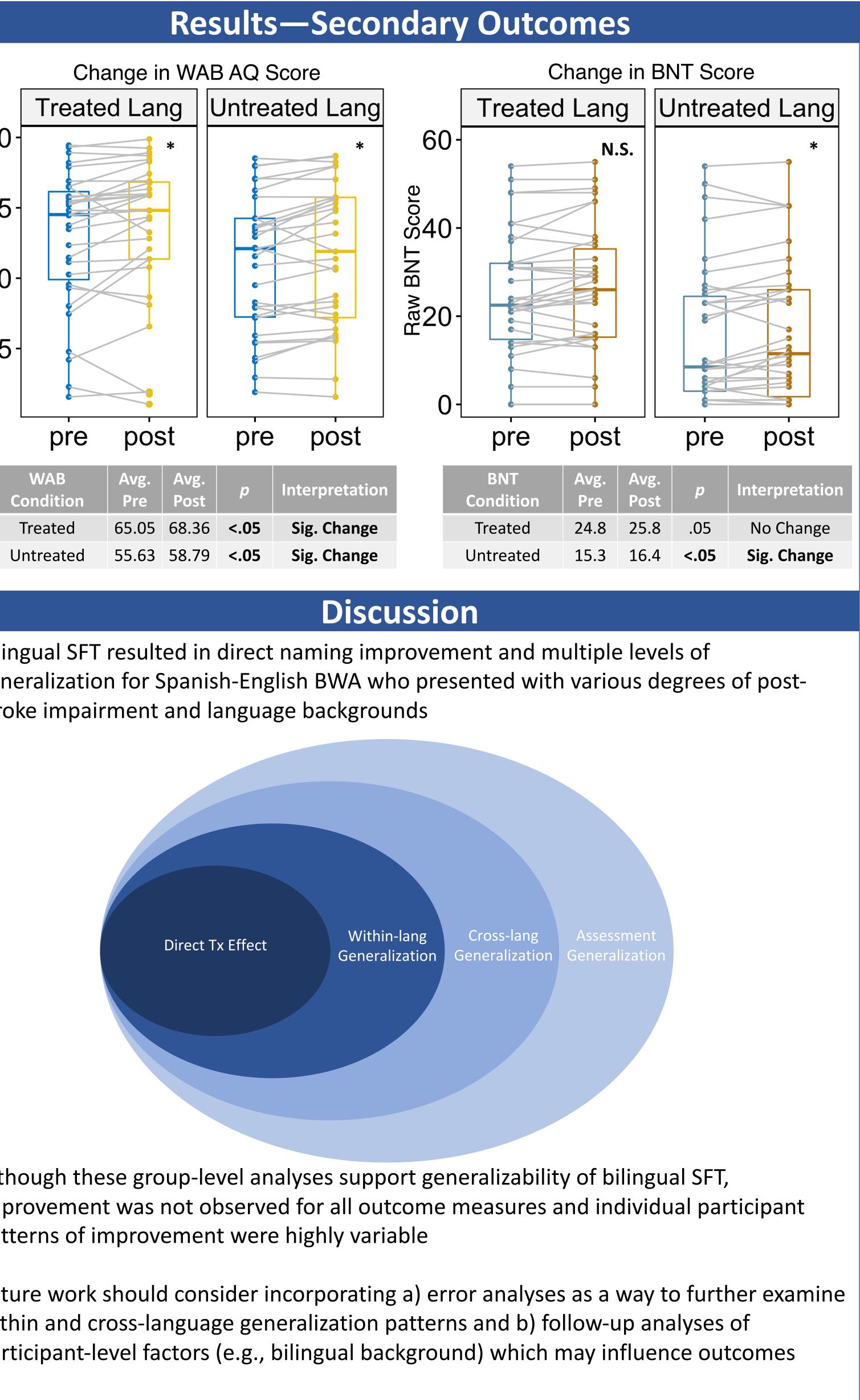
### **Methods and Materials**

Funding

This study was supported by NIH/NIDCD grant 5U01DC014922 awarded to Swathi Kiran.







### References

1. Peñaloza, C., & Kiran, S. (2017). Neuroimaging evidence in the treatment of bilingual/multilingual adults with aphasia. Perspectives of the ASHA Special Interest Groups, 2(2), 126-131. 2. Edmonds, L. A., & Kiran, S. (2006). Effect of semantic naming treatment on crosslinguistic generalization in bilingual aphasia. Journal of Speech, Language, and Hearing Research: JSLHR, 49(4), 729–748. 3. Kiran, S., & Roberts, P. M. (2010). Semantic feature analysis treatment in Spanish–English and French–English bilingual aphasia. Aphasiology, 24(2), 231–261. 4. Kiran, S., Sandberg, C., Gray, T., Ascenso, E., & Kester, E. (2013). Rehabilitation in bilingual aphasia: Evidence for within and between-language generalization. American Journal of Speech-Language Pathology, 22(2), S298–S309. 5. Roberts, P. M. & Kiran, S. (2007). Assessment and treatment of bilingual aphasia and bilingual anomia. In A. A. E. Ramos (Ed.) Speech and language disorders in bilinguals, pp. 109-131. Nova Science. 6. Peñaloza, C., & Kiran, S. (2019b). Recovery and rehabilitation patterns in bilingual and multilingual aphasia. In J. Schwieter & M. Paradis (Eds.), The handbook of the neuroscience of multilingualism (pp. 553–571). John Wiley & Sons, Ltd. 7. Peñaloza, C., Dekhtyar, M., Scimeca, M., Carpenter, E., Mukadam, N., & Kiran, S. (2020). Predicting treatment outcomes for bilinguals with aphasia using computational modeling: Study protocol for the PROCoM randomised controlled trial. BMJ Open, 10(11), e040495. 8. Kastenbaum, J. G., Bedore, L. M., Peña, E. D., Sheng, L., Mavis, I., Sebastian-Vaytadden, R., Rangamani, G., Vallila-Rohter, S., & Kiran, S. (2018). The influence of proficiency and language combination on bilingual lexical access. Bilingualism: Language and Cognition, 1–31. 9. Kertesz, A. (2006). Western Aphasia Battery-Revised. PsychCorp.

10. Kertesz A. & Pascual-Leone García, A. (1990). Batería de afasias "Western" [Western Aphasia Battery en versión y adaptación castellana]. Nau Llibres. 11. Kaplan, E., Goodglass, H., & Weintraub, S. (2001). *The Boston Naming Test*. Pro-Ed.

12. Kohnert, K., J., Hernandez, A. E., Bates, E. (1998). Bilingual performance on the Boston Naming Test: Preliminary norms in Spanish and English. Brain and Language, 65, 422-440.



