Neural Underpinnings of Aphasia Recovery

INTRODUCTION
This journal self-study course is composed of papers from the Research Symposium at the 2018 ASHA Convention. The articles summarize much of the accumulating evidence regarding neurological change in post-stroke aphasia recovery. The range of topics covered in this self-study include neurological recovery patterns according to phase of recovery and treatment target (e.g., word vs. sentence), neurological and genetic factors that influence recovery, and methodological considerations to increase validity of findings. These articles will appeal to researchers and clinicians looking for current evidence on dependent neuroplasticity after stroke.

LEARNING OUTCOMES
You will be able to:
• Discuss neural activation patterns as well as the role of brain-derived neurotrophic factor genotype in post-stroke aphasia recovery
• Explain evidence-based recommendations for improving the validity of methodologies that measure neural activation patterns in individuals with aphasia
• Summarize changes to language, executive function, and attention networks observed after word- and sentence-level treatments for aphasia
• Discuss individual factors that have been shown to influence recovery from aphasia

CONTENTS
Introduction to the 2018 Research Symposium Forum, by Swathi Kiran
(https://doi.org/10.1044/2019_JSLHR-19-00297) .................................................. 2 pages

A Taxonomy of Brain-Behavior Relationships After Stroke,
by Peter E. Turkeltaub
(https://doi.org/10.1044/2019_JSLHR-L-RSNP-19-0032) ................................. 16 pages

(https://doi.org/10.1044/2019_JSLHR-L-RSNP-19-0031) ................................. 10 pages

Neurocognitive Recovery of Sentence Processing in Aphasia,
by Cynthia K. Thompson
(https://doi.org/10.1044/2019_JSLHR-L-RSNP-19-0219) .................................... 26 pages

Neuroplasticity in Aphasia: A Proposed Framework of Language Recovery,
by Swathi Kiran, Erin L. Meier, & Jeffrey P. Johnson
(https://doi.org/10.1044/2019_JSLHR-L-RSNP-19-0054) ................................. 13 pages
PROGRAM HISTORY and IMPORTANT INFORMATION

Articles originally published in *Journal of Speech, Language, and Hearing Research*

**Start date:** December 17, 2020  
**End date:** December 17, 2023

To earn continuing education credit, you must complete and submit the learning assessment on or before **December 17, 2023**.

This course is offered for **0.8 ASHA CEUs** ([Advanced level](#), [Professional area](#)).