

APHASIA DIAGNOSES

	LESION	Blood Supply	NAMING	SPEECH	Sentence Production	AUD COMP	REPEAT	READ	WRITE
Global	Diffuse Left Hemi	ANY/ ALL	Poor/ Impaired	Non-Fluent	Absent	Impair	Impair	Poor	Poor
Broca's	3 rd Frontal Convolution	MCA	Impair to fair; nouns>verbs. Better than Speech.	Non-Fluent Artic Impair	Impair; Agrammatic	Good	Impair, But better than speech	Good, or difficult with compreh	Impair; Mirrors speech
Conduction	Arcuate fasciculus	MCA	Varies But paraphasic	Fluent Paraphasic	Well Structured Paraphasic	Good	Impair	Good compreh Difficulty reading aloud	Impair
Wernicke	Posterior Superior Temporal Lobe	MCA	Impair	Fluent Paraphasia may be excessive	Structured but empty	Impair/ Poor	Poor	Poor	Like Speech
Trans-Cortical Sensory	Inferior Left Temporal Lobe – Arcuate Fasciculus spared, but cuts of Broca's and Wernicke's from the rest of the brain	PCA	Impair	Fluent Paraphasia	Structured But empty	Impair	Preserved (Hallmark of TS Aphasia)	Impair	Impair
Trans-Cortical Motor	Anterior superior frontal lobe. AKA "frontal isolation syndrome" – damage cuts off Broca's area from rest of language zone. Assoc. w/R hemiparesis	ACA	Varies	Nonfluent (almost absent spontaneous speech, problems initiating/ maintaining speech)	Varies	Good	Preserved	Good	Mirrors Speech
Anomia	Frontal Lobe damage to angular gyrus. & inferior temporal gyrus	MCA	Impaired	Fluent but hesitant d/t poor word retrieval	Structured but impaired by word finding difficulty	Good	Preserved	Good	Some-what intact; impacted by word finding