



















































Area (Left hemisphere)	Role	Area (Right hemisphere)
Wernicke (crossroad between visual, auditory, and somatosensory)	Recognition of spoken and written language	Attention to objects in environment
Angular gyrus posterior and superior)	Reading and writing	
Broca	Motor program for speech	
nsula	Understanding spoken language	
pri au	arew-Hill Companies, Inc. Permission required for reproductio mary ditory premotor rtex area	nor display. primary motor cortex

Malfunctions		
	Area affected	Pathology
Domoic acid poisoning Marine Animal Center Fort McArthur's slide	Substantia nigra	Parkinson's disease
	Basal nuclei	Dyskinesias Inhibited movements Exagerated movements (ballismus)
	Language areas, VII and XII	Aphasias
Copyright IP The Michael MB Congresses, Inc. Permanent request for reproduction or ellipsip	Cerebellum	ADHD (impulse control problems)
	Hippocampus	No new declarative memories
	Frontal lobe	Irresponsible behavior, profanity
A C		
Phineas Gage's 1848 accident		







