

# APHASIA

Fluent Speech

Speech Comprehension

Speech Comprehension

Speech Repetition

Speech Repetition

Speech Repetition

Speech Repetition

## Anomic Aphasia

- Impaired confrontational naming, word finding and spelling
- Associated w/ Alzheimer's

## Conduction Aphasia

- Phonemic paraphasia
- Impaired spelling & reading out-loud
- Intact reading comprehension
- Secondary cause: transient Wernicke aphasia
- Self-aware

## Transcortical Sensory Aphasia

- Similar to Wernicke's aphasia
- Hemianopia
- Hemiparesis

## Wernicke's Aphasia

- Effortless speech
- Superior quadrantopia
- Paraphrastic errors
- Neologism/ Circumlocution
- Agrammatism
- Impaired reading & writing
- No self-awareness

## Transcortical Motor Aphasia

- Similar to Broca's aphasia
- Mild agrammatism
- Possible hemiparesis

## Broca's Aphasia

- Labored, spontaneous speech
- Para/agrammatism
- Monophasic
- Self-aware/ frustrated

## Mixed Transcortical Aphasia

- Echolalia
- Impaired reading and writing

## Global Aphasia

- Anomia
- Severe Monophagia
- Hemiplegia
- Hemisensory loss
- Homonymous hemianopsia
- Impaired reading & writing



### Location:

- Middle & inferior temporal gyri

### Location:

- Arcuate Fasciculus
- White matter lesion in Supramarginal gyrus
- Dorsal perisylvian area
- MCA (terminal branch)

### Location:

- Temporoparietal lobe sparing Wernicke's area
- Posterior watershed zone

### Location:

- Posterior superior temporal gyrus
- Para-sylvian Superior Temporal (PST) area
- MCA (inferior branch)

### Location:

- Temporal lobe sparing Broca's area
- Anterior watershed zone

### Location:

- Inferior frontal gyrus (frontal lobe)
- Para-sylvian Inferior Frontal (PIF) area
- MCA (superior branch)

### Location:

- Watershed areas around Broca, Wernicke & Arcuate Fasciculus
- Boundary Zone

### Location:

- Broca, Wernicke & Arcuate Fasciculus
- Entire Perisylvian language region
- ICA & proximal MCA