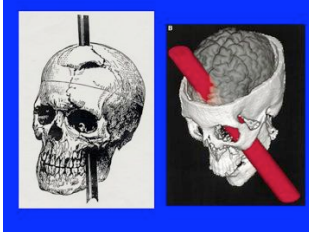


## History of neuropsychology

- Phineas Gage



## Neuropsychological disorders

Most common causes:

- Stroke
- Tumors
- Accidental lesions

## Neuropsychological disorders

- Agnosias
- Neglect, Balint Syndrome
- Amnesias
- Aphasias
- Agraphia, acalculia, alexia
- etc.

- Vision: Agnosia
  - Form agnosia (DF)
  - Prosopagnosia
- Attention: Neglect
  - Balint Syndrome (simultanagnosia)

## More on neglect

A. Raderscheidt  
(1892-1970)  
German  
Expressionist  
painter's self-  
portrait after right  
parietal stroke



## Aphasia

- Broca aphasia: no speech production, with good understanding ('Tan')
  - Left inferior frontal damage (+ motor problems on left side)
- Wernicke aphasia: fluent, but nonsensical speech, impaired understanding
  - Superior temporal damage

