

Brain Shapers Week 2

Plasticity



Half brain
- Jody



www.barbaraarrowsmithyoung.com/

Split brain studies -
Joe



Savant syndrome: Stephen
Wiltshire and Matt Savage

<http://tinyurl.com/brainshapers>

Ian
Deary
IQ
Testing
1932

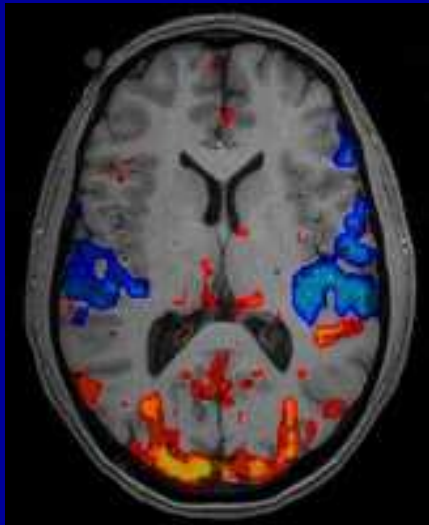


Brain Scanning

Functional Magnetic Resonance
Imaging **fMRI**

Positron Emission Tomography
PET

MagnetoEncephaloGraphy **MEG**



Living with half a brain



Jody Miller-

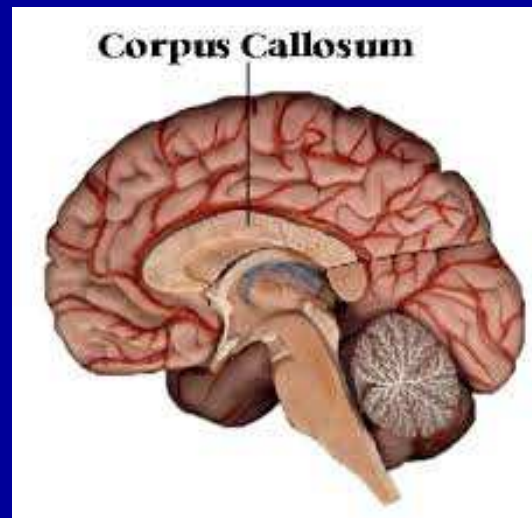
Removal of right hemisphere -
hemispherectomy

Rasmussen syndrome – a rare
autoimmune neurological disease
causing seizures



Split Brain Studies

A window into non-conscious processes



“Joe is an example of the powerful influence of non-conscious processes on our conscious selves.”



Joe – neurological study
Separation of hemispheres
at the corpus callosum

Michael Gazzaniga

Professor of Cognitive Neuroscience
and Director for the SAGE Centre for
the Study of Mind, University of
California, Santa Barbara.



Norman Doidge – Canadian Psychiatrist

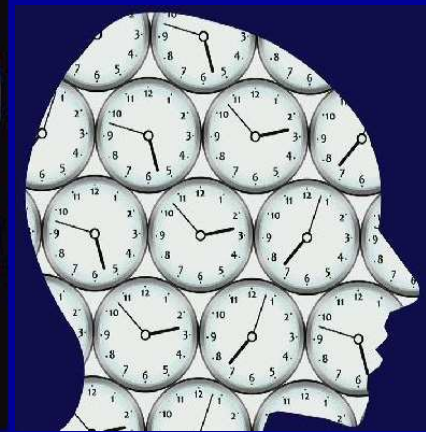
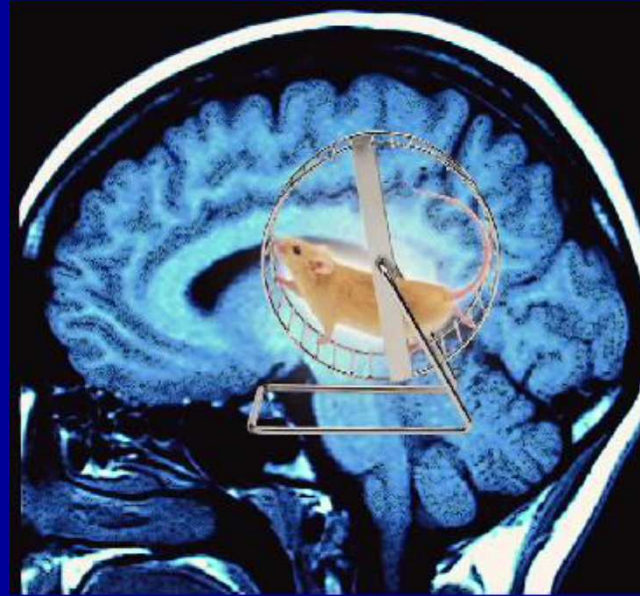
'The Brain That Changes Itself'



Chapter 2 –Barbara Arrowsmith-Young

www.barbaraarrowsmithyoung.com/

Difficulties with writing,
language, time,
orientation, co-ordination
– general disconnection
from the world.



Plasticity - Our brains are always changing, adjusting, adapting

‘Cells that fire together, wire together.’

Multi-sensory learning and unconscious processes

<http://tinyurl.com/brainshapers>

