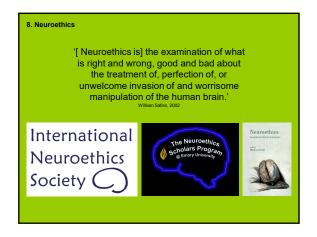




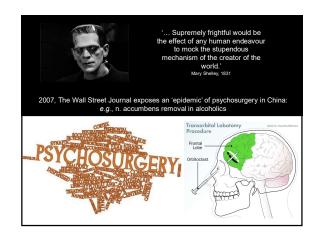
2000: American man who suddenly acquired paedophiliac behaviours. The man, a schoolteacher then in his 40s, began visiting prostitutes and collecting child pornography, and eventually started making subtle sexual advances towards his 12-year-old stepdaughter. His wife got wind of this, and he was subsequently arrested and charged with child molestation. While awaiting sentencing, the man complained of worsening headaches, and these became so unbearable that he was admitted to an emergency room the night before he was due to be sentenced. An MRI scan revealed that he had an egg-sized tumour in his right orbitofrontal cortex, a part of the brain involved in decision-making and social behaviour. Neurosurgeons removed the tumour, and the man's inappropriate sexual behaviours immediately disappeared. About a year after the surgery, however, his paedophiliac desires returned, and he started secretly viewing child pornography again. Another brain scan showed that the tumour had grown back – evidently, a portion of it had been missed during the first operation. The surgeons operated once again to remove it, and the man's behaviour returned to normal.

2007 The Law and Neuroscience Project is established with \$ 10m funding from the MacArthur Foundation

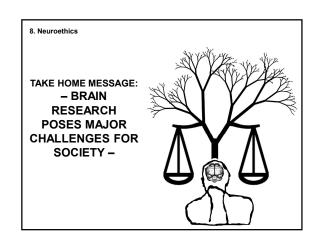
2008 An judge convicts someone of murder on the basis of brain-scanning data

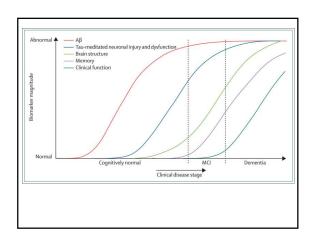












- Should dopamine-based drug therapies be offered to patients with Parkinson's disease if they may produce unwanted side effects such as compulsive gambling?
- Should professors and students use stimulant drugs to enhance their academic performance?
- Should brain stimulation be used to enhance cognitive functioning in healthy people?
- What should researchers do if they find signs of brain damage while scanning someone's brain as part of a study?
- Does brain damage make someone less responsible for their actions and, if so, what are the implications for the criminal justice system?
- Should surgical amputation be offered to people suffering from body integrity identity disorder?
- Etc... etc... etc...

