Chapter IV Creating and altering visual percepts through lesions and electrical stimulation

(Finger 2000, Sacks 1995)

4.1. Correlations and Causality in Neuroscience

4.2. A panoply of lesion tools to study the functional role of brain areas in animals


4.3. Some tools to study the functional role of brain areas in humans


4.4. Partial lesions in primary visual cortex lead to localized scotomas


4.5. What and Where pathways


4.6. Dorsal stream lesions


4.7. Inferior temporal cortex is critical for visual object recognition in monkeys

4.8. Lesions leading to shape recognition deficits in humans


4.9. Invasive electrical stimulation of the human brain


4.10. Electrical stimulation in primate visual cortex


4.11. References


Dean P. 1976. Effects of inferotemporal lesions on the behavior of monkeys. Psychological Bulletin 83: 41-71


Felleman DJ, Van Essen DC. 1991. Distributed hierarchical processing in the primate cerebral cortex. Cerebral Cortex 1: 1-47


Kluver H, Bucy PC. 1939. Preliminary analysis of the functions of the temporal lobes in monkeys. *Archives of Neurology and Psychiatry* 42: 979-1000


Milders M, Perrett D. 1993. Recent developments in the neuropsychology and physiology of face processing. *BAILLIERES CLINICAL NEUROLOGY* 2: 361-84


