

## 9.01 Study Questions

### Lecture 21: Motor System 3

1. How do the Pyramidal System and Extrapyramidal System differ?
2. What neuroanatomical facts led to the ideas behind the lesion study of descending pathways by Lawrence and Kuypers?
3. Describe the lesions and their sequence used in the experiment with monkeys by Lawrence and Kuypers.
4. What main conclusions can you draw from the work of Lawrence and Kuypers?
5. How can the neocortex control movement without activity of the pyramidal tract axons coming from the motor cortex?

Important terminology: pyramidal system, extrapyramidal system, primary motor cortex, pyramidal system, rubrospinal tract, vestibulospinal tract, tectospinal tract, reticulospinal tract, distal, proximal, axial, gliosis.