

# Motor Imagery of Speech: The Involvement of Primary Motor Cortex in Manual and Articulatory Motor Imagery

- Motor cortex is active in motor planning processes for motor execution
- Investigate if motor cortex is active in motor imagery processing as well, as if in simulation of execution
- Use simple actions performed by hand and lip muscles
- Use transcranial magnetic stimulation to measure cortical excitability in both motor execution and motor imagery processes
- Results show increased motor cortex excitability for motor execution but not motor imagery
- Evidence for theories that do not implicate motor cortex in motor imagery processes for simple motor acts

