

Video Article

Implantation Surgery of Silicon Electrodes for Chronic Electrophysiology

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Abstract

The success of long-term electrophysiological recordings often depends on the quality of the implantation surgery. Here we provide useful information for surgeons who are learning the process of implanting of the chronic silicon electrode systems. This video will provide detailed instructions for surgery, while providing useful recommendations and helpful hints. The surgical process is described from start to finish, including detailed descriptions of each step throughout the procedure. It should also be noted that this video guide is focused towards procedures conducted in rodent models and other small animal models. Modifications of the described procedures are feasible for other animal models.

Disclosures

No conflicts of interest declared.