

## **PSC6: Electrocautery Knife**

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**GENERAL OBJECTIVE:** To devise a surgical instrument that can be used to cut from skin and cauterize at the same time

**DESIGN:** Surgical Instrumentation

**SETTING:** A private tertiary hospital in Metro Manila

**SUBJECT:** Pork loin

**RESULT:** The devised instrument was able to cut from skin and cauterize simultaneously from subcutaneous layer down to muscle layer. The incisions showed uncontaminated cuts and could offer faster hemostasis indicating that improvised instrument was able to cut and control bleeders quicker, with ease. This afforded less time consumed with alternating cutting and cautery, as well as hemostasis.

**KEYWORDS:** electrocautery, hemostasis