

MAGNETIC INSTRUMENT FOR REMOVING FOREIGN METALLIC BODIES

Areas of Application

The magnetic instrument can be used in surgery, traumatology, battle-field surgery, and disaster medicine for diagnosing and removing foreign metallic ferromagnetic bodies having a size up to 25 mm

Specification

The instrument has titanium headpieces of various shape with magnets inside. It can be sterilized by chemical and gas methods. The kit consists of magnetic multifunctional surgical instrument for diagnosing and removing metallic ferromagnetic fragments; magnetic probe for inspecting and measuring the wound channel while detecting, localizing and removing small fragments of foreign bodies; surgical magnet on a flexible handle for removing hard-to-reach fragments and for treating the wounds with nonlinear wound tracks; etc. The number of instruments in the kit depends is customized



Advantages

The tool is unique for Ukraine and has the following advantages: quick diagnostics of the presence of foreign metallic ferromagnetic bodies; removal of fragments from wounds having nonlinear tracks; three times reduction of surgical intervention and anesthesia time; surgical intervention is less traumatic; can be used in the battle-field environment

Stage of Development. Suggestion for Commercialization

IRL6, TRL7
Manufactured and supplied, upon request

IPR Protection

IPR3

Contact Information

Konstantin V. Kovtun, National Science Center “Kharkov Institute of Physics and Technology”;
+38 057 335 65 01, e-mail: kkovtun@kipt.kharkov.ua