

Circumcision device including part removably.

Priority Number

n. 102018000002796 _ 19.02.2018.

Patent Type

Patent for invention.

Ownership

Sapienza University of Rome 100%.

Inventors

Monir Al Mansour.

Industrial & Commercial Reference

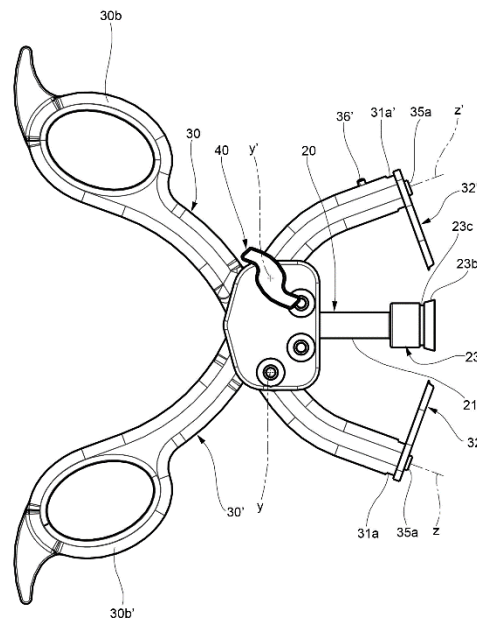
Hospitals and extra hospital institutions notably general and pediatric surgery and urology wards.

Time to Market

The prototype exists already and the inventor is in the process to get the certification.

Availability

Cession and Licensing.



Abstract

The invention presents a device that performs circumcision mechanically without the use of any equipment or electrical power, thus improving the previous tool developed by the inventor.

Main features are: cutting symmetry perfection, rapidity of execution, less bleeding, less needed stitching.

Target markets are mainly the Arab, Hebrew, and Coptic Christian Countries.



KEYWORDS

❑ CIRCUMCISION

❑ PHIMOSIS

❑ PEDIATRIC SURGERY

❑ PLASTIC SURGERY

❑ ANDROLOGICAL SURGERY

❑ RITUAL CIRCUMCISION

AREA

❑ BIOMEDICAL

CONTACTS

➤ PHONE NUMBERS

+39.06.49910888

+39.06.49910855

➤ EMAIL

u_brevetti@uniroma1.it



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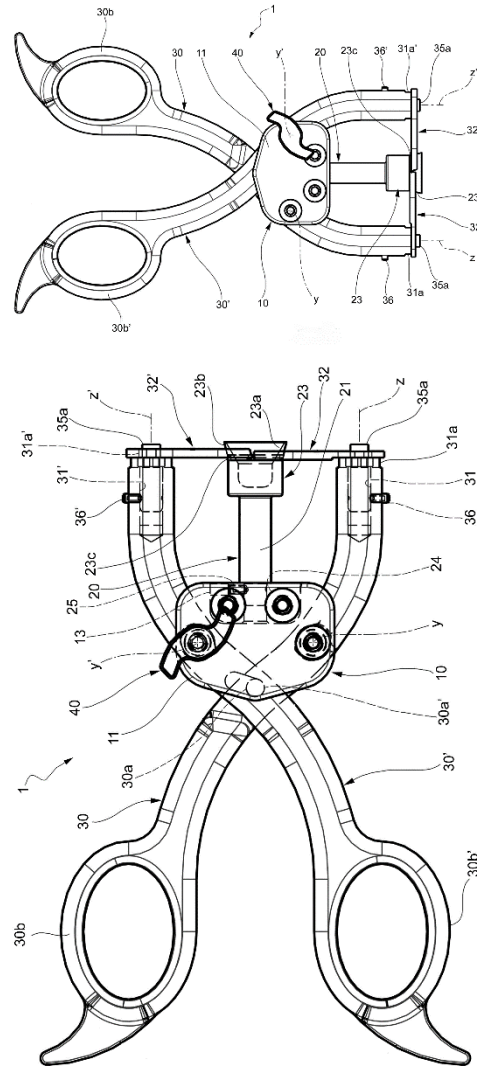
Technical Description

The present invention relates to a mechanical device suitable to perform circumcision without using any equipment or electrical power.

Circumcision device includes:

- a steel gripper consisting of two levers suitably shaped (30, 30'), hinged to the central support (10);
- a removable part (20) comprising a fixed stem (21) connected to the central support (10) of the gripper;
- a shearing template (23) integral with the stem;
- two semicircular blades (32, 32') in titanium or biomedical steel, connected to the outer cannula shaped to perform a precision circular cut on the foreskin and to press in a specific area the internal and external flaps of the foreskin.

The shape of the blades is conceived to perform a circular cut in the area where the blades join stop the bleeding at the same time by pressing on the tissue.



Technologies & Advantages

The highlights of the device are: less bleeding risk, less need of stitching, less time consuming on the operation therefore lower doses of anesthetic.

These new features compared to the previous device (gun-type circumcision patent IT n. 102015000014334 filed 8.5.2015) allow costs reducing since it is possible to discard only the disposable parts (blades and bell) and reusing the device limiting also the risk of infection due to the use on different patients.

Another advantage is that there are different measures of the blades and bells in order to be adapted to the various sizes of the patients.

Applications

The device can be used in case of phimosis both pediatric and urological, ritual surgery (circumcision), and andrology in case of malformation of the penis.

The geographical areas interested are: Southeast Asia, the Middle East and all Muslim, Jewish and Coptic Christian Countries.

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