

[54] CIRCUMCISION INSTRUMENT

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[51] Int. Cl. **A61b 17/326**

[58] Field of Search **128/305, 319, 346**

[56] **References Cited**

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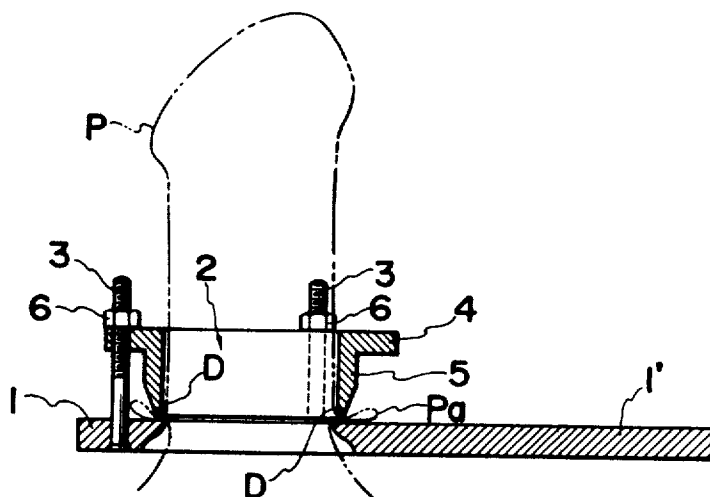
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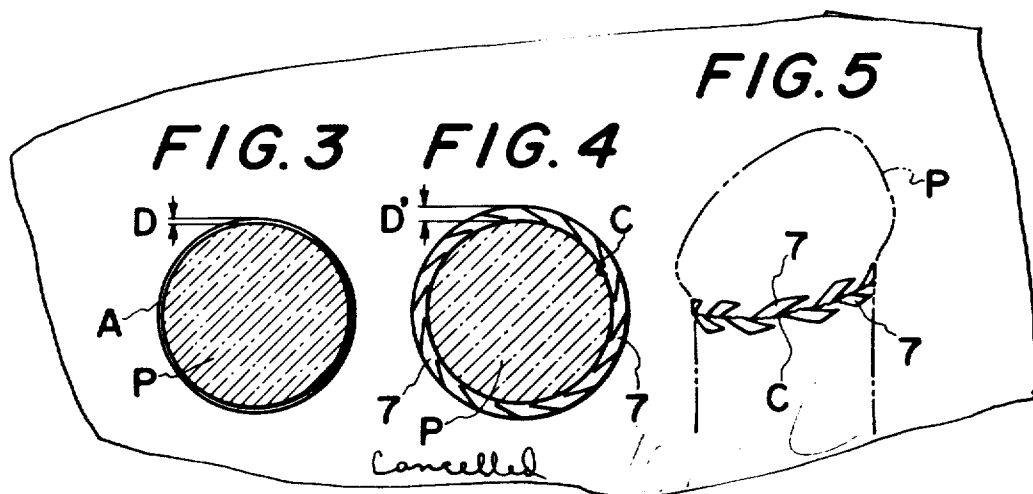
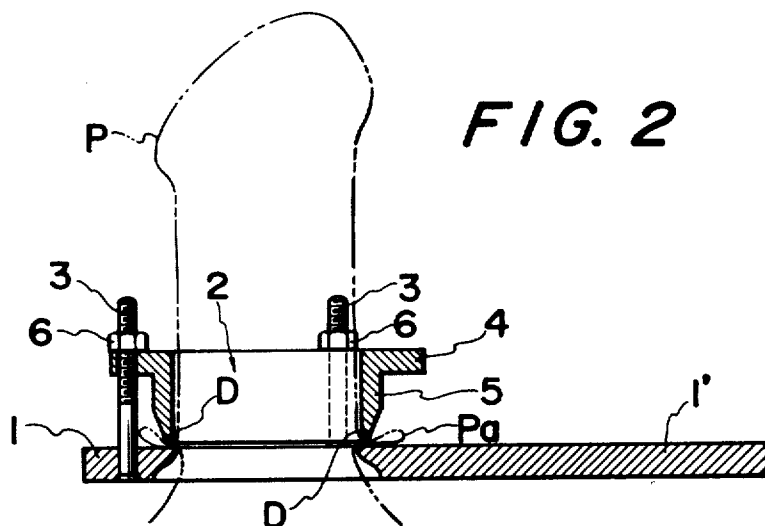
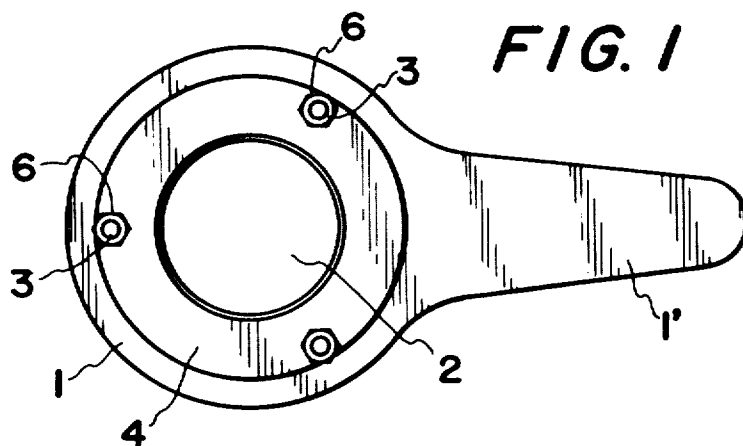
ABSTRACT

The circumcision instrument according to this invention comprises a base plate having a circular opening and provided with vertical bolts implanted around the circular opening, and a short flanged tube retained upon the base plate by inserting the bolts through the corresponding holes provided in the flange. According to this invention, circumcision is performed by inserting the penis through the circular opening and the tube, forcibly drawing the skin around the penis outwardly between the bottom of the tube and the base plate, until the glans penis is completely exposed, and then crushing the surplus skin by the bottom of the tube and cutting off the surplus skin around the crushed line.

By crushing, the wound edges are temporarily coapted whereby there is no bleeding. After the operation, it is enough to cover the wound with a strip of cutgut or spongy gelatine. In a few days, the wound will be healed completely.

3 Claims, 2 Drawing Figures





CIRCUMCISION INSTRUMENT

BACKGROUND OF THE INVENTION

Circumcision on adults has been performed usually to correct such disturbances as phimosis, paraphimosis and adherent prepuce by cutting off the prepuce. In such an operation, it is necessary to stanch incidental bleeding and to perform delicate suture. The operation is not only tedious but also very complex. The success of the operation depends much on the doctor's experience and skill.

This invention has for its object to simplify the operation by using a special circumcision instrument. According to this invention, circumcision can be performed without bleeding and without sutures. By using the instrument of the present disclosure, anybody even with little experience can perform circumcision easily.

SUMMARY OF THE INVENTION

The circumcision instrument according to this invention is very simple in its construction. It comprises a base plate having a circular opening, vertical bolts implanted around said circular opening, and a short flanged tube which is retained upon the base plate by passing the bolts through corresponding holes provided in the flange and their tightening nuts with the bolts and nutted.

This instrument may be positioned at any portion of the penis which is to be operated upon. In the case of correcting phimosis, for instance, the instrument is placed near the top of the penis while in the case of correcting paraphimosis, it is placed preferably near the base of the penis.

In use, after the skin around the penis is forcibly drawn outwardly between the bottom of the tube and the base plate so as to expose the glans completely, the nuts are tightly screwed into the bolt to draw the tube downwardly so as to crush the stretched skin by the bottom edge of the tube. Then, the surplus skin is cut off along the crushed portion. Temporarily the wound edges are coapted and there will be no bleeding. After the instrument is removed from the penis, the wound is coated with a strip of cutgut or spongy gelatine which will fall off in a few days as scab. In contrast to hitherto known operations, a change of the dressing is not necessary.

DESCRIPTION OF THE DRAWINGS

The invention is illustrated in a preferred embodiment in the accompanying drawing, in which;

FIG. 1 is a plan view of the circumcision instrument according to this invention and,

FIG. 2 is a side view in section of the same positioned at the base of penis for correcting paraphimosis.

DESCRIPTION OF A PREFERRED EMBODIMENT OF THE INVENTION

Referring now to the circumcision instrument shown in the drawing, 1 is the base plate having a circular opening 2 and provided with vertical bolts 3 implanted around said circular opening 2. 1' is the handle of the base plate 1. Instead of three bolts 3, two or four bolts may be used. 5 is a short flanged tube which is retained upon the base plate 1 by passing the bolts 3 through corresponding holes provided in the flange 4 and by nuts 6. Said tube 5 is placed concentrically with respect

to the circular hole opening 2 of the base plate 1. The inner diameter of the tube 5 is a little larger than that of the circular opening 2.

The mode of performing a circumcision with the instrument will now be described in detail.

A. Correction of paraphimosis.

After the area to be operated on is properly anesthetized, the penis P is inserted through the circular opening 2 of the base plate 1 and the tube 5 so as to place the instrument near the base of penis P. Then, the instrument is firmly held at the most convenient position by clamping the handle 1' to an adjustable holder (not shown) attached to bed. Then, the skin around the penis P is forcibly drawn outwardly between the bottom edge D of the tube 5 and the base plate 1 with forceps until the glans of the penis is completely exposed. Next, the nuts 6 are tightly screwed unto the bolts 3 until the surplus skin between the tube 5 and base plate 1 is utterly crushed. Then, the surplus skin around the crushed circular line A is cut off. The crushed portion is of brown color. As the wound edges are temporarily coapted by crushing, there will be no bleeding.

After the instrument is removed from the penis, the wound is preferably covered with a wide cutgut tape by adhesive. In a few days, the wound will fall off in the form of a scab.

B. Correction of phimosis.

After anesthetizing the area to be operated on as described above, the upper part of the penis is inserted in the instrument so as to place the instrument just below the glans of the penis. In this case, the bottom edge of the tube is preferably a little broader than that of shown in FIG. 2. After crushing the surplus skin which is drawn outwardly between the bottom of the flanged tube and the base plate, the instrument is taken away.

As is clear from the above, the circumcision instrument is very simple and anybody with little experience will be able to carry out circumcision successfully.

Although a single embodiment of the present invention has been illustrated it is apparent that other changes and modifications can be made without departing from the spirit of the invention as expressed by the scope of the appended claims.

What I claim:

1. A circumcision instrument comprising:
 - a base plate having a circular opening;
 - a tubular member and means mounting said tubular member to said base plate with the axis of said tubular member aligned with the center of said circular opening;
 - said tubular member having a flange portion adjacent said base plate around said circular opening whereby a penis can be inserted through said opening and said tube with a portion of the skin of the penis disposed between said flange portion of said tube and said base plate; and
 - said mounting means being operable to draw said tube toward said base plate to thereby crush the skin disposed between said flange portion and said base plate; and
 - said mounting means further comprising means permitting the tubular member to be drawn toward said base plate to provide varying degrees of compression between said tubular member and said base plate at different portions around said flange portion.

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2. The instrument as defined in claim 1 and in which said mounting means comprises at least two individually, variably tightened fastening members extending between said base plate and said tubular member.

said fastening members comprise bolts and nuts carried by said bolts for urging said tubular member toward said base plate upon tightening of said nuts unto said bolts.

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3. The instrument as defined in claim 2 and in which 5

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UNITED STATES PATENT OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 3,892,242
DATED : July 1, 1975
INVENTOR(S) : MICHITARO HONJYO

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

Col. 1, lines 27-28, delete "and nutted"

Col. 2, line 1, delete "hole".

Signed and Sealed this

sixteenth. Day of September 1975

[SEAL]

Attest:

RUTH C. MASON
Attesting Officer

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