

An apparatus for circumcising a penis

Field of the Invention

The invention relates to a type of medical apparatus, especially the
5 provision of a type of circumcision apparatus.

Background and Prior Art

Redundant prepuce or phimosis is one of the origins of male urinary
system infection and sexually transmitted diseases. Redundant prepuce or
10 phimosis can cause urinary tract infection that will lead to chronic prostatitis,
which will incur a series of symptoms like back pain, impotence and
prosermia, etc. Therefore, removing redundant foreskin or phimosis is one
of the good measures to prevent these diseases.

Regarding the removal of redundant foreskin or phimosis, there has
15 been several reforms from the early days of the founding of PRC to the
present, but the operation will inevitably lead to bleeding, pain and
hospitalization. Circumcision is one of the traditional measures to cure
phimosis and redundant prepuce and prevent their complication, which
belongs to the basic operation of male urological department and its technical
20 essential is the three major steps of redundant foreskin removal, hemostasia,
and apposition suture at the incisal edge. After the operation, the patient can
not walk, and he will feel intolerably painful at each change of dressing and
suffer great pain in the end at removal of stitches. Furthermore, if hemostasis
by ligation is done by halves, it will cause preputial hematoma, then another
25 surgical treatment is necessary. Though laser and high-frequency
electric-knife technology have been used in foreskin circumcision, they have
only substituted scissors cutting and solidified the bleeding spot. Such a
therapeutic method is likely to subject the patient to tissular burn and

infection, while the expenditure for infection prevention is very high. Judged from the comparison among various provinces and cities, whenever laser circumcision is performed, treatment by antibiotics after the operation for 5-7days plus prevention of infection by taking antibiotics orally for 5-7 days is very common, while the cost generally ranges from 150 to 360 yuan, and the total cost of treatment is at least 1000-1500yuan.

The existing technology has produced some solutions of circumcision apparatus. These circumcision apparatus are simple and easily applicable, and no surgery and suture is necessary. As a result, the pain is very light, the patient's work and life will not be affected, and the operation time is short. Nevertheless, these circumcision apparatus have the following common defects:

1. A type of circumcision apparatus, its blade conjoint part of the two semi-ferrules of the retaining ring is of right-angle structure. When the penis is clamped with two semi-ferrules, the foreskin will be easily clamped by the conjoint part of the blade, which makes the patient very painful.

2. Since it is inevitable for infection to occur during circumcision, medicament is needed to cooperate with the treatment so as to eliminate inflammation and grow the skin, etc. However, the existing circumcision apparatus itself does not design the corresponding structure, and the anti-inflammation treatment is carried out by such traditional external antiphlogistic manner as injection, oral administration, etc.

3. The locking device of the existing circumcision apparatus generally adopts screw fixation, therefore manual manipulation is very inconvenient, and it is extremely afflictive for the patients who will undergo the surgical operation, which increases their fear of operation and lengthens the operation time. Several kinds of connecting structure are introduced as follows.

4. The balanus ferrule of existing circumcision apparatus is a circular structure, however, the penis will inevitably erect and enlarge in the entire

course of treatment and such a structure with fixed balanus ferrule diameter adds to the discomfort of the patients.

5 5. A type of circumcision apparatus, which includes a retaining ring and auxiliary ring. Put the glans penis through the auxiliary ring, and place the foreskin between the auxiliary ring and the retaining ring, and then tie it to the auxiliary ring with the binding string. In this way, when the penis is expanding, because the elasticity of the binding string is weak, and its contact area with the foreskin is small, the binding string and the foreskin may move relatively, resulting in incomplete blockage of the blood stream, 10 which will produce hematoma and affect the surgical effect.

6. Also, as stated in item 5, during real operation, since the binding string is bound by hand, it is often operated entirely by right of experience according to the habit of the operator. As a result, the degrees of tightness are varied, resulting in non-standardization of the entire process of operation, 15 which in turn affects the effect of the surgery.

Summary of the Invention

The main purpose of this invention lies in overcoming the deficiency of the existing technology and providing a kind of novel disposable apparatus for circumcising a penis that requires no surgery during treatment period with 20 no leeding, no suture, no medication, no pain, low cost and handy and comfortable use.

In order to realize the abovementioned purpose, this invention adopts a technical solution as follows: a type of circumcision apparatus, which includes a fastening device and a balanus ferrule, of which: the fixture has an 25 opening, and mutually corresponding upper-blade conjoint part and lower-blade conjoint part are provided on either end of the opening. Round

angles are provided at the edges of the upper blade conjoined part and the lower blade conjoined part.

Two or more the first grooves are provided at the edges of the balanus ferrule and the first protuberance is formed among the first grooves;

- 5 There are two or more the second protuberances that interact with the first grooves at the inner edge of the fixture device and the second grooves are formed among the second protuberances;

- The second grooves and the first protuberances interact to form a cavity to hold medicine solution; and a passage for injection is formed on the
10 fixture device and inter-connects with the cavity.

The balanus ferrule is composed of right and left semi-ferrules that are separated from each other; a round angle is provided at the connexion of right and left semi-ferrules.

- The first scalariform detent block is installed at tip of the opening with
15 Upper blade conjoined part, while the second scalariform detent block is installed at the tip of the opening with Lower blade conjoined part; and the first scalariform detent block interacts with the second scalariform detent block.

- The first scalariform detent block lies under Upper blade conjoined
20 part, while the second scalariform detent block lies above Lower blade conjoined part.

- The fixture device is composed of two semi-ferrules and a Connecting buckle. These two semi-ferrules is inter-connected at one end through the Connecting buckle, while the other ends of the two semi-ferrules are locked
25 with a screw rod. One semi-ferrule of the two has an upper blade conjoined part. The other semi-ferrule has a lower blade conjoined part that corresponds with the upper blade conjoined part. Round angles are provided

at the edges of the upper blade conjoined part and the lower blade conjoined part.

The fixture device is composed of two semi-ferrules and a Connecting buckle. These two semi-ferrules is inter-connected at one end through the
5 Connecting buckle, while the other ends of the two semi-ferrules are provided with L-shaped parts interacting with each other. Connecting rod shaft is installed at the top of L-shaped parts. Attachment holes are provided at the bottom platform of the L-shaped parts. The Connecting rod shaft interacts with the attachment hole of the other semi-ferrule. Toothlike
10 protuberance or toothlike groove is provided at the inner side of the upstanding end of L-shaped part. The toothlike protuberance or toothlike groove interacts with that of the other semi-ferrule. One semi-ferrule of the two has an upper blade conjoined part. The other semi-ferrule has a lower blade conjoined part that corresponds with the upper blade conjoined part.
15 Round angles are provided at the edges of the upper blade conjoined part and the lower blade conjoined part. one or more Connecting rod shaft is installed at the top of L-shaped parts, flexible connection or permanent connection.

The fixture device is composed of two semi-ferrules and a Connecting buckle. These two semi-ferrules is inter-connected at one end through the
20 Connecting buckle, while the other ends of the two semi-ferrules are provided with uncinat heave or slotted hole respectively. The uncinat heave or slotted hole interacts with that of the other semi-ferrule. The uncinat heave consists of joint plate and Clamping piece which is of $\wedge$ -shaped structure. The joint plate connects with the tip of semi-ferrule at one end and
25 with the central part of Clamping piece at the other end. One semi-ferrule of the two has an upper blade conjoined part. The other semi-ferrule has a lower blade conjoined part that corresponds with the upper blade conjoined part. Round angles are provided at the edges of the upper blade conjoined part and the lower blade conjoined part.

The fixture device is composed of two semi-ferrules and a Connecting buckle. These two semi-ferrules is inter-connected at one end through the Connecting buckle, while the other ends of the two semi-ferrules are provided with saucer shape heave respectively. The saucer shape heave
5 contains a block in the form of a bow tie. One semi-ferrule of the two has an upper blade conjoined part. The other semi-ferrule has a lower blade conjoined part that corresponds with the upper blade conjoined part. Round angles are provided at the edges of the upper blade conjoined part and the lower blade conjoined part.

10 The fixture device is composed of two semi-ferrules and a Connecting buckle. These two semi-ferrules is inter-connected at one end through the Connecting buckle, while the other ends of the two semi-ferrules are provided with strip-shaped gear body or strip-shaped sprocket hole respectively. The strip-shaped gear body or strip-shaped sprocket hole
15 interacts with that of the other semi-ferrule. One semi-ferrule of the two has an upper blade conjoined part. The other semi-ferrule has a lower blade conjoined part that corresponds with the upper blade conjoined part. Round angles are provided at the edges of the upper blade conjoined part and the lower blade conjoined part.

20 The highly efficient and hygienic germfree material enables the patient to keep from infection when in use which will bring about greater pain and unnecessary trouble. Also, this invention is rendered as disposables which are more hygienic and safer. .

The apparatus for circumcising a penis provided by this invention
25 retains the characteristics of no surgical operation, no suture and low degree of pain that are intrinsic of the circumcision apparatus, at the same time a great deal of improvement has been made addressing the many deficiencies of the existing circumcision apparatus, which, to be specific, includes:

1. An existing circumcision apparatus, its blade conjoint part of the two semi-ferrules of the retaining ring is of right-angle structure. When the penis is clamped with two semi-ferrules, the foreskin will be easily clamped by the conjoint part of the blade, which makes the patient very painful. The round
5 angle structure at the blade conjoint part and ferrule combinative structure of this invention will avoid the foreskin being clamped during the operation and pain incurred to the patient, making the operation smoother. In addition, the upper and lower structure at the blade-conjoined part can better facilitate the clamping.

10 2. The balanus ferrule of the existing circumcision apparatus is an integrative circular structure, however, the penis will inevitably erect and enlarge in the entire process of treatment, as a result, such a structure with fixed balanus ferrule diameter adds to the discomfort of the patients. This invention transforms the single integral structure of the balanus ferrule into 2
15 sections (even more sections) of left and right semi-ferrules, thereby enabling adaptation to erection and enlargement of the penis.

3. The locking device of the existing circumcision apparatus generally adopts screw fixation, therefore manual manipulation is very inconvenient. This invention, through its flexible and handy 'push-buckle' structure,
20 renders the operation more flexible and convenient, increases the comfort of the patient when in use, and is more humanized.

4. The existing circumcision apparatus itself does not design the corresponding structure, and the anti-inflammation treatment is carried out by such traditional external antiphlogistic manners as injection, oral
25 administration, and so on. The invention enables the device to be more practical through provision of cavity and injection passage.

5. The existing circumcision apparatus includes a retaining ring and auxiliary ring, Put the glans penis through the auxiliary ring, and place the foreskin between the auxiliary ring and the retaining ring, and then tie it to

the auxiliary ring with the binding string. In this way, because the elasticity of the binding string is weak, and its contact area with the foreskin is small, when the penis is expanding, the binding string and the foreskin may move relatively, resulting in incomplete blockage of the blood stream, which will produce hematoma and affect the surgical effect. The latex pad of this invention, because of its relatively strong elasticity, can mitigate in part the binding force when the penis expands. Also, since the contact area between the latex pad and the foreskin is rather large, no relative move between the latex pad and the blade fixture will occur when the penis is enlarging, yielding good surgical result.

6. Also, as stated in item 5, during real operation, since the binding string is bound by hand, it is often operated entirely by right of experience according to the habit of the operator. As a result, the degrees of tightness are varied, resulting in non-standardization of the entire process of operation, which in turn affects the effect of the surgery. The invention utilizes the latex pad, enabling standardization in the entire process, avoiding the problem caused by binding operation using the binding string manually.

This invention is small and exquisite in shape, light in weight, simple in structure, convenient in use, and low in price, with a total expense of only 160-200 yuan. Moreover, it is painless, has no ill scar after the circular cast of the foreskin, and the circular-casting position is smoother, cleaner and more accurate, well received by the great majority of sufferers.

Further description of the invention is made below in combination with the attached figures and concrete implementation manners.

25

Brief Description of the Drawings

Fig 1A illustrate the fixture device of the apparatus for circumcising a penis;

Fig 1B illustrate the balanus ferrule of the apparatus for circumcising a

penis;

Fig 2 illustrate the section I-I of the fixture device of the apparatus for circumcising a penis;

Fig 3 illustrate the section II-II of the balanus ferrule of the apparatus for circumcising a penis;

Fig 4A is the enlarged schematic diagram which illustrate Part A of the fixture device of the apparatus for circumcising a penis;

Fig 4B is another enlarged schematic diagram which illustrate Part A of the fixture device of the apparatus for circumcising a penis;

Fig 4C is another enlarged schematic diagram which illustrate Part A of the fixture device of the apparatus for circumcising a penis;

Fig 4D is again another enlarged schematic diagram which illustrate Part A of the fixture device of the apparatus for circumcising a penis;

Fig 5 is the breakdown schematic diagram for another implementation example of the apparatus for circumcising a penis.

Fig 6 is the structural representation of the fixture device of the apparatus for circumcising a penis, another implementation example of this invention;

Fig 7 is structural representation for the conjoint part of the upper and lower blades of the circumcision apparatus III — III cross-section, another implementation example of this invention.

Fig 8 is the structural diagrammatic sketch for the fixture device of the apparatus for circumcising a penis, another implementation example of this invention;

Fig 9 is the schematic diagram of the enlarged crosssectional structure of Part A in Fig 8.

Detailed Description of the Preferred Embodiments of the Invention

The implementation example of this invention is the disposable

apparatus for circumcising a penis, as shown in Fig 1A and Fig 1B. The
circumcision apparatus includes the balanus ferrule 1 (not divided into
sections temporarily), its exterior being equipped with the fixture device 3,
and the raw material of the balanus ferrule 1 and fixture device 3 is the
5 high-grade 372-type organic material without toxic and side effect.

The fixture device 3 is comprised of the left and right semi-ferrules 3A
and 3B, and connecting buckles 7 are installed at both ends of the
semi-ferrules, with the other end possessing the connecting and fixing parts.
Of course, the fixture device 3 can also be an integral structure, with
10 openings, which is connected through the fixing part. The fixing part is the
fix screw 8 or other connecting forms, which will be exemplified in the
following introduction.

Fig 2 illustrates the section I-I of the fixture device of the apparatus for
circumcising a penis; Fig 3 illustrates the section II-II of the balanus ferrule of
15 the apparatus for circumcising a penis; As shown in the figure, one of the key
points of this invention lies in: the balanus ferrule of existing circumcision
apparatus is a circular structure, and such a structure with fixed balanus
ferrule diameter adds to the discomfort of the patients. Shown in Fig 5 is the
breakdown schematic diagram for another implementation example of the
20 apparatus for circumcising a penis, which transforms the single integral
structure of the balanus ferrule into 2 sections of left and right half ferrules
11 and 12, thereby enabling adaptation to erection and enlargement of the
penis, and the squeeze can also be alleviated.

Besides, the outer edge 11 of the balanus ferrule 1 is equipped with two
25 or over two (two for this implementation example) the first grooves 12,
between which the first protuberance 13 is formed; the inner edge 31 of the
fixture device 3 has two or over two (two for this implementation example)
second saliencies 32 that match with the first grooves 12 in question, and the

second grooves 33 is formed between the second saliencies 32, and the second groove 33 coordinates with the first protuberance 13 to form a cavity that is used to hold liquid drug; the passage 34 for injection of drug liquid is formed on the fixture device 3, which is connected with the cavity. The
5 quantity of the passage 34 can be set as several according to the condition of use. During operation the aforementioned the first groove 12, the second groove 33, first protuberance 13 and the second protuberance 32 coordinate with each other to clamp the foreskin to be circumcised, resulting in its necrosis due to unsmooth blood circulation. Since it is inevitable for
10 infection to occur during circumcision, medicament is needed to cooperate with the treatment so as to eliminate inflammation and grow the skin, etc. The drug liquid in the above cavity directly permeates into the infected part to eliminate the inflammation and grow the skin, enabling a shorter time for postoperative concrescence. The formula of these liquid drugs is specially
15 prepared for circumcision, and will not be dealt with again here as it is not related to this patent application.

Since the fastening operation for the connecting part A of the existing fixture device 3 is very inconvenient, and it is extremely afflictive for the patients who will undergo the operation, which increases their fear of
20 operation and lengthens the operation time. Several kinds of connecting structure are introduced as follows.

Fig 4A is the enlarged schematic diagram which illustrate Part A of the fixture device of the apparatus for circumcising a penis; The aforesaid fixture device 3 consists of the two semi-ferrules of 3A & 3B and the Connecting
25 buckle 7. These two semi-ferrules of 3A & 3B are inter-connected at one end through connecting buckle 7, while the other ends of the two semi-ferrules are provided with coordinated L-shaped parts of 411 & 412 respectively. Connecting rod shaft 413 is installed at the top of L-shaped parts of 411 & 412. Attachment hole 414 is provided at the bottom platform. Connecting rod

shaft 413 interacts with Attachment hole 414 of the other semi-ferrule. Toothlike protuberance 415 or toothlike groove 416 is provided at the inner side of the upstanding end of L-shaped part. The toothlike protuberance 415 or toothlike groove 416 interacts with that of the other semi-ferrule.

5 Thus, when locking connection of the two semi-ferrules of 3A & 3B is needed, you only need to plant connecting rod shaft 413 inside attachment hole 414 and make toothlike protuberance 415 and toothlike groove 416 on the other L-shaped part joggle to each other at the same time in order to achieve the locking of the whole fixture device 3. Of course, you can insert a screwdriver

10 or other tools inside Hole 417 on L-shaped part if connection opening is required. And with little efforts, you will break down the whole structure and open up the implementation example, which is a disposable circumcision apparatus.

Fig 4B is another enlarged schematic diagram which illustrate Part A

15 of the fixture device of the apparatus for circumcising a penis; The aforesaid fixture device 3 consists of the two semi-ferrules of 3A & 3B and the connecting buckle 7. These two semi-ferrules of 3A & 3B are inter-connected at one end through connecting buckle 7, while the other ends of the two semi-ferrules are provided with uncinat heave 411 or slotted hole

20 422. uncinat heave 421 or slotted hole 422 interacts with that of the other semi-ferrule. Uncinat heave 421 consists of Joint plate 4211 and clamping piece 4212 which is of $\wedge$ -shaped structure. Joint plate 4211 connects with the tip of semi-ferrule 3A at one end and with the central part of clamping piece 4212 at the other end. Clamping piece 4212 is of elastic structure with

25 certain degree of hardness, e. g. sheet bar. Slotted hole 422 boasts large jaw opening and large interior cavity. At the tip of Semi-ferrule 3A, there is Hole 423 which has the same function with Hole 417 in FIG 4A. When locking, insert uncinat heave 421 into Slotted eye 422. Here, elastic property of clamping piece 4212 works. After Clamping piece 4212 is fixed, its hardness

allows it to lean against the interior cavity wall of Slotted hole 422, thus locking is achieved.

Fig 4C is another kind of structural enlargement schematic diagram for Part A of the fixture of the circumcision apparatus, the implementation example of this invention. The aforesaid fixture device 3 consists of the two semi-ferrules of 3A & 3B and the connecting buckle 7. These two semi-ferrules of 3A & 3B are inter-connected at one end through connecting buckle 7, while the other ends of the two semi-ferrules are provided with saucer shape heave 432. The saucer shape heave 432 contains block 431 in the form of a bow tie. At the tip of semi-ferrule 3A, there is hole 433 which has the same function with aforementioned Hole 417 & 423. When locking, you only need to insert both ends of bow-tie shaped block 431 into saucer shape heave 432.

Fig 4D is again another kind of structural enlargement schematic diagram for Part A of the fixture of the circumcision apparatus, the implementation example of this invention. The aforesaid fixture device 3 consists of the two semi-ferrules of 3A & 3B and the Connecting buckle 7. These two semi-ferrules of 3A & 3B are inter-connected at one end through Connecting buckle 7, while the other ends of the two semi-ferrules are provided with strip-shaped gear body 511 or strip-shaped sprocket hole 512. As shown in the figure for detail enhancement of strip-shaped gear body 511, there are many horizontal lines of heave to interact with the petty groove arranged horizontally in strip-shaped gear body 511. When Strip-shaped gear body 511 is inserted inside Strip-shaped sprocket hole 512, it happens that the petty horizontal lines of heave of the strip-shaped sprocket hole are clamped into the petty groove of the strip-shaped gear body. It is noteworthy that such inserting is unidirectional, thus it is necessary to keep an obtuse angle between the tilt direction of and the inserting direction of the petty horizontal lines of heave of the strip-shaped sprocket hole and the petty

groove of the strip-shaped gear body. Once they are clamped and fixed, there is normally no way to simply draw Strip-shaped gear body 511 away from Strip-shaped sprocket hole 512. So the fastness of the clamping is guaranteed, thus enhancing the fastness, stability and operability of this present invention.

5 As for its disassembly after the operation is completed, this implementation example still adopt the hole structure designed to break the connection as aforementioned. You can insert a screwdriver or other tools inside Hole 513 if connection breakdown is required. And with little efforts, you can break down the whole structure and open up the implementation example.

10 Fig 8 is the structural diagrammatic sketch for the fastening device of the circumcision apparatus, another implementation example of this invention. The aforementioned fixture device 3 has an opening. An upper blade conjoined part 3111A and a lower blade conjoined part 3111B are provided on either end of the opening. The first scalariform detent block 41
15 is installed at tip of the opening with Upper blade conjoined part 3111A, while the second scalariform detent block 42 is installed at the tip of the opening with Lower blade conjoined part 3111B. First scalariform detent block 41 and second scalariform detent block 42 interact with each other. In the profile direction, the first scalariform detent block 41 lies under Upper
20 blade conjoined part 3111A, while the second scalariform detent block 42 lies above Lower blade conjoined part 3111B. When in use, insert Lower blade conjoined part 3111B below Upper blade conjoined part 3111A as shown in FIG 7 & FIG 9. The detent of Second scalariform detent block 42 is achieved above the first scalariform detent block 41, resulting in the tight
25 coupling of first scalariform detent block 4 with second scalariform detent block 42 by spacing of Upper blade conjoined part 3111A and Lower blade conjoined part 3111B. Thus, tight locking is achieved for the whole fixture device. There is Hole 423 on either first scalariform detent block or Second scalariform detent block. you can insert a screwdriver or other tools inside

Hole 423 if connection opening is required. And with little efforts, you will break down the whole structure and open up the implementation example, which is a disposable apparatus for circumcising a penis.

With different linkage structures introduced, we now make the following explanations on the operation & use procedures of this present invention:

1. Sterilization treatment of the genitals; fully expose the foreskin by pushing back the foreskin that covers the balanus.

2. Adjust the position of the balanus ferrule, and pull out the back-pushed foreskin until it fully covers the balanus ferrule and the balanus.

3. Open the fixture and put it in from one side of the patient to let the fixture envelop and fix the balanus ferrule before the fixture is fixed, thus the foreskin is prevented from blood circulation and its necrosis is caused. 4. Inject medicine solution into the cavity through Passage 34. The medicine solution can directly reach the affected part through the cavity, thereby diminishing inflammation and killing pain. 5. After 2-5 days(sometimes longer), take off the necrotic foreskin and loosen the fixture at the same time or later on.

In another implementation example, Semi-ferrule 3A of Fixture device 3 is provided with Upper blade conjoined part 3111A as shown in FIG 5 & 7. 3B, the other semi-ferrule, is provided with Lower blade conjoined part 3111B that corresponds with Upper blade conjoined part 3111A. The upper and lower blade conjoined parts can better facilitate the clamping of Fixture device 3. Round angle 311 is provided at the edges of the upper blade conjoined part and the lower blade conjoined part. The round angle structure will prevent the foreskin from being clamped during the operation and avoid the pain incurred to the patient. If the foreskin is clamped, it will become granulated. The recovery period will be longer and the patient will suffer more pain. In a similar way, the connexion of the two semi-ferrules on both

right and left sides of Balanus ferrule 1 may be provided with the same or similar round angles in order to prevent the foreskin from being clamped.

This present invention is used without any pain. There will be no obvious scar left following the circular cast of the foreskin with quick
5 recovery and accurate circular cast position. Children, youngsters and old men all can receive this treatment with different sizes of the apparatus applied according to the actual balanus sizes of patients.

In addition, patients' work or study is not affected during the whole process of the treatment. Being simple and needing no special training, the
10 operation may be carried out in small clinics. The total period of treatment costs only 160 - 200 Yuan, including that of operation, antiinflammation, etc. Thus it is acceptable to the general public.

To sum up, the present invention is expounded from the aspects of its application target, effectivity, evolutionarity and novelty,etc. It has a practical
15 evolutionarity that has already been in compliance with the requirements for function improvement and utility highlighted in laws on patented inventions. The above-mentioned implementation explanation and figures attached to the present invention are considered as one preferred implementation example of the invention, which should not be regarded as a limit to it. Therefore, all the
20 structures, devices, features, etc that are same or similar to those of the present invention shall fall within the scope of the creation objective of the invention and its patent application.

CLAIMS:

1. An apparatus for circumcising a penis, including a fixture device and a balanus ferrule, wherein:

5 The fixture device has an opening. An upper blade conjoined part and a lower blade conjoined part are provided on the either end of the opening. Round angles are provided at the edges of the upper blade conjoined part and the lower blade conjoined part.

2. An apparatus as claimed in Claim 1, wherein: Two or more the first
10 grooves are provided at the edges of the balanus ferrule and the first protuberance is formed among the first grooves;

There are two or more the second protuberances that interact with the first grooves at the inner edge of the fixture device and the second grooves are formed among the second protuberances;

15 The second grooves and the first protuberances interact to form a cavity to hold medicine solution; and a passage for injection is formed on the fixture device and inter-connects with the cavity.

3. An apparatus as claimed in Claim 1 or 2, wherein: The balanus ferrule is
20 composed of right and left semi-ferrules that are separated from each other; a round angle is provided at the connexion of right and left semi-ferrules.

4. An apparatus as claimed in Claim 1 or 2, wherein: The first scalariform
25 detent block is installed at tip of the opening with Upper blade conjoined part, while the second scalariform detent block is installed at the tip of the opening with Lower blade conjoined part; and the first scalariform detent block interacts with the second scalariform detent block.

The first scalariform detent block lies under Upper blade conjoined part,

while the second scalariform detent block lies above Lower blade conjoined part.

5. An apparatus as claimed in Claim 1 or 2, wherein: The fixture device is
5 composed of two semi-ferrules and a Connecting buckle. These two semi-ferrules is inter-connected at one end through the Connecting buckle, while the other ends of the two semi-ferrules are locked with a screw rod. One semi-ferrule of the two has an upper blade conjoined part. The other semi-ferrule has a lower blade conjoined part that corresponds with the upper
10 blade conjoined part. Round angles are provided at the edges of the upper blade conjoined part and the lower blade conjoined part.

6. An apparatus as claimed in Claim 1 or 2, wherein: The fixture device is
composed of two semi-ferrules and a Connecting buckle. These two
15 semi-ferrules is inter-connected at one end through the Connecting buckle, while the other ends of the two semi-ferrules are provided with L-shaped parts interacting with each other. Connecting rod shaft is installed at the top of L-shaped parts. Attachment holes are provided at the bottom platform of the L-shaped parts. The Connecting rod shaft interacts with the attachment
20 hole of the other semi-ferrule. Toothlike protuberance or toothlike groove is provided at the inner side of the upstanding end of L-shaped part. The toothlike protuberance or toothlike groove interacts with that of the other semi-ferrule. One semi-ferrule of the two has an upper blade conjoined part. The other semi-ferrule has a lower blade conjoined part that corresponds with
25 the upper blade conjoined part. Round angles are provided at the edges of the upper blade conjoined part and the lower blade conjoined part.

7. An apparatus as claimed in Claim 6, wherein: one or more Connecting rod shaft is installed at the top of L-shaped parts, flexible connection or

permanent connection.

8. An apparatus as claimed in Claim 1 or 2, wherein: The fixture device is composed of two semi-ferrules and a Connecting buckle. These two
5 semi-ferrules is inter-connected at one end through the Connecting buckle, while the other ends of the two semi-ferrules are provided with uncinat heave or slotted hole respectively. The uncinat heave or slotted hole interacts with that of the other semi-ferrule. The uncinat heave consists of joint plate and Clamping piece which is of $\wedge$ -shaped structure. The joint
10 plate connects with the tip of semi-ferrule at one end and with the central part of Clamping piece at the other end. One semi-ferrule of the two has an upper blade conjoined part. The other semi-ferrule has a lower blade conjoined part that corresponds with the upper blade conjoined part. Round angles are provided at the edges of the upper blade conjoined part and the lower blade
15 conjoined part.

9. An apparatus as claimed in Claim 1 or 2, wherein: The fixture device is composed of two semi-ferrules and a Connecting buckle. These two
20 semi-ferrules is inter-connected at one end through the Connecting buckle, while the other ends of the two semi-ferrules are provided with saucer shape heave respectively. The saucer shape heave contains a block in the form of a bow tie. One semi-ferrule of the two has an upper blade conjoined part. The other semi-ferrule has a lower blade conjoined part that corresponds with the upper blade conjoined part. Round angles are provided at the edges of the
25 upper blade conjoined part and the lower blade conjoined part.

10. An apparatus as claimed in Claim 1 or 2, wherein: The fixture device is composed of two semi-ferrules and a Connecting buckle. These two semi-ferrules is inter-connected at one end through the Connecting buckle,

while the other ends of the two semi-ferrules are provided with strip-shaped gear body or strip-shaped sprocket hole respectively. The strip-shaped gear body or strip-shaped sprocket hole interacts with that of the other semi-ferrule. One semi-ferrule of the two has an upper blade conjoined part.

- 5 The other semi-ferrule has a lower blade conjoined part that corresponds with the upper blade conjoined part. Round angles are provided at the edges of the upper blade conjoined part and the lower blade conjoined part.