Claims

1. A prepuce extruding, cutting, hemostasis, and healing assembly using ultrasonic wave wherein the ultrasound is applied to the foreskin compressing, cutting, hemostasis and healing at a junction of an internal and an external tissue of a tip of human; and the ultrasound subassembly comprises an ultrasonic generating device, a transmission device and a circumcision device;

the ultrasonic generating device is used to generate a plurality of ultrasonic waves, and the ultrasonic generating device is connected to the transmission device and capable of transmitting the plurality of ultrasonic waves to the transmission device;

the transmission device is connected to the circumcision device and capable of transmitting the plurality of ultrasonic waves to the circumcision device; and

the circumcision device is used to compress and/or cut the foreskin, and/or, for hemostasis and/or healing of a wound.

2. The prepuce extruding, cutting, hemostasis, and healing assembly using ultrasonic wave. of claim 1, wherein the circumcision device comprises an inner ring and an outer ring; wherein the inner ring and the outer ring cooperate with each other; and the inner ring is integrally connected to the transmission device or detachably connected by a first fixedly-connected device;

a plane of the annulus of the inner ring is in a same plane as an extending direction of the transmission device, or, there is an angle between the plane of the annulus of the inner ring and the extending direction of the transmission device.

3. The prepuce extruding, cutting, hemostasis, and healing assembly using ultrasonic wave. of claim 1, wherein the circumcision device comprises an inner ring and an outer ring; the inner ring and the outer ring cooperate with each other; the inner ring is integrally connected to the transmission device, and a plane of the annulus of the outer ring is in a same plane as an extending direction of the transmission device, or, there is an angle between the plane of the annulus of the inner ring and the extending direction of the transmission device.

4. The prepuce extruding, cutting, hemostasis, and healing assembly using ultrasonic wave. of claim 1, wherein the circumcision device comprises an inner ring and an outer ring; the inner ring and the outer ring cooperate with each other; and

the transmission device is connected to the inner ring and the outer ring respectively.

5. The prepuce extruding, cutting, hemostasis, and healing assembly using ultrasonic wave. of

claim 1, wherein further comprising a first fixedly-connected device and a second fixedly-connected device, the circumcision device comprises an inner ring and an outer ring; the inner ring and the outer ring cooperate with each other;

the inner ring is a closed circular ring or the inner ring is a closeable circular ring composed of two or more arc structures;

the inner ring is detachably connected to the transmission device by the first fixedly-connected device;

the outer ring is a closed circular ring or the inner ring is a closeable circular ring composed of two or more arc structures;

and the outer ring is detachably connected to the transmission device by the second fixedly-connected device.

6. The prepuce extruding, cutting, hemostasis, and healing assembly using ultrasonic wave. of claim 1, wherein further comprising a first fixedly-connected device,

the circumcision device comprises an inner ring and an outer ring; and the inner ring and the outer ring cooperate with each other;

the inner ring is a closed circular ring or the inner ring is a closeable circular ring composed of two or more arc structures, and the inner ring is detachably connected to the transmission device by a first fixedly-connected device;

the outer ring is a closed circular ring or the outer ring is a closeable circular ring composed of two or more arc structures, wherein the outer ring is detachably connected to the transmission device by the first fixedly-connected device.

7. The prepuce extruding, cutting, hemostasis, and healing assembly using ultrasonic wave. of claim 2-6, wherein further comprising a water mist/powder generator,

the water mist/powder generator is used to apply liquid, and/or mist, and/or powder onto the circumcision device and/or an action site of the circumcision prior to the circumcision, during the circumcision and/or after the circumcision.

8. The prepuce extruding, cutting, hemostasis, and healing assembly using ultrasonic wave. of claim 7, wherein:

the outer ring comprising a vibration annular knife and an adjustable annular knife ,the vibration annular knife is connected to the ultrasonic vibration, and the adjustable annular knife is connected

to an adjustable annular knife holder through the pin ,also connected to the fixed annular knife holder c through the spring a and make the annular handle piece openable or closable operably.

9. The prepuce extruding, cutting, hemostasis, and healing assembly using ultrasonic wave. of claim 7, wherein:

the ultrasonic generating device comprising a first ultrasonic vibrator and a second ultrasonic vibrator;

the outer ring comprising a first annular knife and a second annular knife,

the first ultrasonic vibrator and the second ultrasonic vibrator are respectively connected to the first annular knife and the second annular knife and transmit the ultrasonic vibration thereto respectively;

further comprising a first scissor annular knife supportor and a second scissor annular knife supportor support the first annular knife and the second annular knife respectively.

10. The prepuce extruding, cutting, hemostasis, and healing assembly using ultrasonic wave. of claim 1, wherein comprising an ultrasonic generating device, a transmission device, and a circumcision device;

the ultrasonic generating device generates a plurality of ultrasonic waves, the ultrasonic generating device is connected to the transmission device and transmits the plurality of ultrasonic waves to the transmission device;

the transmission device is connected to the circumcision device and transmits the plurality of ultrasonic waves to the circumcision device;

the circumcision device comprises a positioning cylinder and a cutting device;

the positioning cylinder and the cutting device comprises a first annular contact surface, and \ the cutting device comprises a second annular contact surface and the first annular contact surface and the second annular contact surface match with each other.

11. The prepuce extruding, cutting, hemostasis, and healing assembly using ultrasonic wave. of claim 10, further comprising a water mist/powder generator; wherein

the water mist/powder generator is used to apply liquid, and/or mist, and/or powder onto the circumcision device and/or an action site of the circumcision prior to the circumcision, during the circumcision and/or after the circumcision.

12. The prepuce extruding, cutting, hemostasis, and healing assembly using ultrasonic wave. of claim 10 or Claim 11,whereinan angle between the first annular contact surface and an axis of the positioning cylinder is an acute angle.

13. The prepuce extruding, cutting, hemostasis, and healing assembly using ultrasonic wave. of claim 12, wherein, the water mist/powder generator is disposed separately with respect to the ultrasonic generating device, the transmission device and the circumcision device; or, the water mist/powder generator is partly or entirely integrated on the ultrasonic generating device, the transmission device and/or the circumcision device.

14. The prepuce extruding, cutting, hemostasis, and healing assembly using ultrasonic wave. of claim 13,wherein the water mist/powder generator comprises a storage device and an spraying device; wherein the storage device is arranged on the transmission device for storing liquid and/or powder; the spraying device is openable and closable, the spraying device is disposed on an end of the storage device proximate to the circumcision device and is used for applying liquid and/or powder stored in the storage device to the circumcision device and/or the action site of the circumcision.

15. The prepuce extruding, cutting, hemostasis, and healing assembly using ultrasonic wave. of claim 12 to Claim 14,wherein, the ultrasonic generating device is connected to the water storage device and is used for transmitting the plurality of ultrasonic waves to the water storage device to atomize the stored water or liquid medicine; and/or, the ultrasonic generating device further comprises a second ultrasonic generating device, the second ultrasonic generating device is connected to the water storage device and is used for transmitting the plurality of ultrasonic waves to the water storage device to atomize the stored water or liquid medicine.