CLAIMS

1. A built-in washer circumcision device, comprising: a circumcision cover, a comprehensive cover and a first washer and/or a second washer, wherein

the comprehensive cover is provided with a U-nail groove, and the first washer is arranged in the U-nail groove along the longitudinal outer side of the comprehensive cover; and/or

a U-nail seat corresponding to the U-nail groove is arranged on the circumcision cover, and the second washer is arranged on the U-nail seat.

2. The built-in washer circumcision device of claim 1, wherein a first ring-shaped groove is formed at the end of the comprehensive cover towards the circumcision cover, and is located outside the U-nail groove; and the first washer is arranged in the first ring-shaped groove.

3. The built-in washer circumcision device of claim 2, wherein the first washer is slightly wider than the first ring-shaped groove, so that the first washer is elastically clamped in the first ring-shaped groove.

4. The built-in washer circumcision device of claim 2 or 3, wherein the first washer has a ring and a protrusion located on the bottom surface of the ring; a second ring-shaped groove is also formed at the end of the comprehensive cover towards the circumcision cover, and is located in the periphery of the first ring-shaped groove; and the protrusion is configured to be clamped in the second ring-shaped groove.

5. The built-in washer circumcision device of claims 1-4, wherein a third ring-shaped groove is formed in the U-nail seat towards the U-nail groove; and the second washer is arranged in the third ring-shaped groove.

6. The built-in washer circumcision device of claims 1-4, wherein the comprehensive cover is provided with a circumcision knife; and a third washer is arranged at the end of the circumcision cover towards the comprehensive cover and corresponds to an anvil of the circumcision knife.

7. The built-in washer circumcision device of claim 6, wherein the third washer has a

first lateral portion surrounding the anvil, a longitudinal portion perpendicular to the first lateral portion, and a second lateral portion surrounding the U-nail seat.

8. The built-in washer circumcision device of claims 1-7, wherein the first, second and/or third washers are rubber washer(s) and/or silicone washer(s).

9. The built-in washer circumcision device of claims 1-8, wherein the circumcision device is a flat-head-type or inclined-head-type circumcision device.

10. The built-in washer circumcision device of claim 2 or 3, wherein the first washer is a U-nail backing ring; a protruding positioning ring is arranged on one surface of the U-nail backing ring; a placing groove is formed on the comprehensive cover in the periphery of the first ring-shaped groove; and the positioning ring and the placing groove are clamped or elastically cooperate with each other to fix the U-nail backing ring.

11. A valgus washer circumcision device, comprising: an inner comprehensive cover, an inner ring and a first washer and/or a second washer, wherein the inner comprehensive cover and the inner ring correspond to each other vertically;

the first washer is arranged at the end of the inner ring towards the inner comprehensive cover; and/or

a U-nail groove is formed at the outer edge of the inner comprehensive cover, and the second washer is arranged at the top of the U-nail groove.

12. The valgus washer circumcision device of claim 11, wherein both the first and second washers are located on the same axis as a U-nail in the U-nail groove.

13. The valgus washer circumcision device of claim 11 or 12, wherein a first ring-shaped groove is formed on the lower end surface of the inner ring towards the inner comprehensive cover; and the first washer is arranged in the first ring-shaped groove.

14. The valgus washer circumcision device of claim 13, wherein the first washer is slightly wider than the first ring-shaped groove, so that the first washer is elastically clamped in the first ring-shaped groove.

15. The valgus washer circumcision device of claims 11-14, wherein the second washer is arranged outside the U-nail groove, and is located above the opening of the groove.

16. The valgus washer circumcision device of claims 11-14, wherein the second washer has a ring and a protrusion located on the bottom surface of the ring; and the protrusion is configured to be clamped in the U-nail groove.

17. The valgus washer circumcision device of claims 11-14, wherein the second washer is arranged at the top inside the U-nail groove.

18. The valgus washer circumcision device of claim 17, wherein the second washer is slightly wider than the U-nail groove, so that the second washer is elastically clamped in the U-nail groove.

19. The valgus washer circumcision device of claims 11-14, wherein a second ring-shaped groove whose top is flush with that of the inner comprehensive cover is formed between the inner edge of the inner comprehensive cover and the U-nail groove; and the second washer is arranged in the second ring-shaped groove.

20. The valgus washer circumcision device of claims 11-19, further comprising an upper cover and a lower cover which correspond to each other vertically, wherein the inner comprehensive cover is arranged in the lower cover; the inner ring is arranged in the upper cover; and the inner comprehensive cover and the inner ring correspond to each other vertically.

21. A blood vessel docking apparatus for a built-in circumcision device, comprising a circumcision cover and a comprehensive cover, and further comprising blood vessel corresponding grooves and/or blood vessel docking grooves, wherein

the circumcision cover and the comprehensive cover are conifgured to be assembled or connected with each other;

a plurality of blood vessel corresponding grooves is disposed along a periphery of a front end of the circumcision cover; and/or

a plurality of blood vessel docking grooves is disposed along a periphery of a front end of the comprehensive cover.

22. The blood vessel docking apparatus for a built-in circumcision device according to claim 21, wherein front ends of the blood vessel corresponding grooves are close to an

annular top end of the circumcision cover, and back ends of the blood vessel corresponding grooves are away from the annular top end of the circumcision cover backwards relative to the front ends of the blood vessel corresponding grooves.

23. The blood vessel docking apparatus for a built-in circumcision device according to claim 22, wherein the blood vessel corresponding grooves obliquely extend backwards from the front end of the circumcision cover.

24. The blood vessel docking apparatus for a built-in circumcision device according to claims 21 to 23, wherein a top end of the comprehensive cover is provided with an annular outer wall, the blood vessel docking grooves are disposed on an outer surface of the annular outer wall, front ends of the blood vessel docking grooves are flush with a top end of the annular outer wall, or the front ends of the blood vessel docking grooves are higher than the top end of the annular outer wall, or the front ends of the blood vessel docking grooves are lower than the top end of the annular outer wall.

25. The blood vessel docking apparatus for a built-in circumcision device according to claim 24, wherein back ends of the blood vessel docking grooves are away from the top end of the annular outer wall backwards relative to the front ends of the blood vessel docking grooves.

26. The blood vessel docking apparatus for a built-in circumcision device according to claim 25, wherein the blood vessel docking grooves obliquely extend backwards from the top end of annular outer wall.

27. The blood vessel docking apparatus for a built-in circumcision device according to claim 24, wherein the comprehensive cover is provided with a plurality of U-nail grooves for receiving U-nails and nail outlets of the U-nail grooves are disposed on or close to the top end of the comprehensive cover.

28. The blood vessel docking apparatus for a built-in circumcision device according to claim 27, wherein the nail outlets of the U-nail grooves are disposed in the annular outer wall.

29. The blood vessel docking apparatus for a built-in circumcision device according to claims 27 and 28, wherein the plurality of blood vessel correspondig grooves corresponds

to the blood vessel docking grooves, and/or the U-nail grooves, and/or the U-nails in the U-nail grooves one by one; and/or, the plurality of blood vessel docking grooves corresponds to the blood vessel corresponding grooves, and/or the U-nail grooves, and/or the U-nails in the U-nail grooves one by one; and/or the width of the plurality of blood vessel correspondig grooves corresponds to the width of the blood vessel docking grooves, and/or the width of the U-nail grooves, and/or the width of the U-nails in the U-nail grooves; and/or, the width of the plurality of blood vessel docking grooves corresponds to the width of the blood vessel corresponding grooves, and/or the width of the U-nail grooves, and/or the width of the U-nails in the U-nail grooves.

30. The blood vessel docking apparatus for a built-in circumcision device according to claims 21 to 29, wherein an arc-shaped transition surface is arranged between the blood vessel corresponding grooves and the annular top end of the circumcision cover; and/or, an arc-shaped transition surface is arranged between the blood vessel corresponding grooves and convex plates formed among the blood vessel corresponding grooves; and/or the front ends of the blood vessel docking grooves are narrower than the back ends thereof; and/or the blood vessel docking apparatus further comprises a U-nail top ring and a lower comprehensive cover, the back end of the circumcision cover is provided with a positioning rod matched and connected with a positioning groove of the U-nail top ring, and a back end of the comprehensive cover is connected to the lower comprehensive cover.

31. A blood vessel docking apparatus for a valgus circumcision device, comprising an inner ring, an inner comprehensive cover and blood vessel docking grooves, wherein

the inner ring and the inner comprehensive cover are conifgured to be assembled or connected with each other; and

a plurality of blood vessel docking grooves is disposed along a periphery of a back end of the inner ring.

32. The blood vessel docking apparatus for a valgus circumcision device according to claim 31, wherein the inner comprehensive cover is provided with a plurality of U-nail grooves for receiving U-nails and the U-nail grooves are disposed along a periphery of a front end of the inner comprehensive cover.

33. The blood vessel docking apparatus for a valgus circumcision device according to claim 32, wherein the nail outlets of the U-nail grooves are disposed on or close to the top end of the inner comprehensive cover.

34. The blood vessel docking apparatus for a valgus circumcision device according to any one of claims 31 to 33, wherein positions of the plurality of blood vessel docking grooves correspond to the positions of the U-nail grooves one by one, and/or the positions of the U-nails in the U-nail grooves; and/or the width of the plurality of blood vessel docking grooves corresponds to the width of the U-nail grooves, and/or the width of the U-nails in the U-nail grooves.

35. The blood vessel docking apparatus for a valgus circumcision device according to claims 31 to 34, wherein the blood vessel docking grooves are preset on the inner ring, or the blood vessel docking grooves are prefabricated rings and capable of sleeving the inner ring.

36. The blood vessel docking apparatus for a valgus circumcision device according to claims 31 to 35, wherein back ends of the blood vessel docking grooves are close to an annular back end of the inner ring or flush with the back end of the inner ring, and front ends of the blood vessel docking grooves are away from the annular back end of the inner ring forwards relative to the back ends of the blood vessel docking grooves.

37. The blood vessel docking apparatus for a valgus circumcision device according to claims 31 to 36, further comprising a U-nail top ring, conifgured to be assembled and matched with the inner comprehensive cover to push the U-nail out of the U-nail groove.

38. The blood vessel docking apparatus for a valgus circumcision device according to claim 37, further comprising an upper cover and a lower cover, wherein the upper cover and the lower are assembled and connected with each other, the inner ring is arranged in the upper cover, and all or part of the inner comprehensive cover is disposed in the lower cover.

39. The blood vessel docking apparatus for a valgus circumcision device according to claim 38, further comprising a comprehensive cover, wherein a front end of the comprehensive cover is connected to a back end of the lower cover, and all or part of the U-nail top ring is disposed in the comprehensive cover.