What is claimed is:

1. A device for remodeling the female genital tissue, comprising a treatment tip and a hand piece, wherein the treatment tip is connected to the distal end of the hand piece via a connection means, wherein the distal end of the treatment tip is rectangular, conical, spherical, hemispherical, oval or circular in shape, and has a surface comprising one or more energy delivery elements, wherein said elements have an internal surface and an epithelium-contacting surface, and wherein the device further comprises one or more of the following:
   (a) one or more temperature sensors for measuring the temperature at or below the epithelium;
   (b) one or more directional sensors; and
   (c) one or more depth markers showing the depth of penetration of the treatment tip into the vagina.
2. The device of claim 1, wherein said treatment tip is equipped with a finger holder.
3. The device of claim 2, wherein said treatment tip is connected to said connection means via a gripping means, wherein the distal end of said gripping means is attached to said treatment tip, and the proximal end of said gripping means is connected to said connection means.
4. The device of claim 3, wherein a strap is attached close to the proximal end of said gripping means.
5. The device of claim 4, wherein the proximal end of said gripping means is connected to said connection means via wires.
6. The device of any one of claims 1 to 5, wherein the inside of said treatment tip comprises an internal cooling chamber having a supply line of coolant opposite to the internal surface of said one or more energy delivery elements, wherein the supply line of coolant comprises a plurality of nozzles configured to spray a coolant onto the internal surface of said one or more energy delivery elements.
7. The device of any one of claims 1 to 6, wherein the surface at the distal end of the treatment tip is fully or partially covered by energy delivery elements.
8. The device of any one of claims 1 to 7, wherein the temperature sensors are thermocouples, each comprising a first and a second junction.
9. The device of claim 8, wherein the first junction is located on the hand piece or between the energy delivery elements and said hand piece.

10. The device of claim 8 or 9, wherein the second junction is located at the distal end, proximal end, or middle of the one or more energy delivery elements.

11. The device of any one of claims 8-10, wherein the second junction comprises a blunt end that contacts the epithelium and measures its temperature.

12. The device of any one of claims 8-10, wherein the second junction comprises a needle that penetrates the epithelium and measures the temperature below the epithelium.

13. The device of any one of claims 1 to 12, wherein the directional sensors employ electromagnetic or optical mechanisms to track the position of the treatment tip.

14. The device of any one of claims 1 to 13, wherein the directional sensors are mounted proximally or distally on the hand piece.

15. The device of any one of claims 1 to 13, wherein the directional sensors are mounted close to the one or more energy delivery elements on the treatment tip.

16. The device of any one of claims 1 to 15, wherein the depth markers are on the surface at the distal end of the treatment tip.

17. The device of any one of claims 1 to 16, wherein the depth markers comprise raised lines, indented lines or numerical markers.

18. The device of any one of claims 1 to 17, wherein the depth markers are located on more than one side of the treatment tip.

19. A method of using the device of any one of claims 1-18 for remodeling a target tissue underlying a mucosal epithelium of the female genital tissue, comprising the step of cooling said epithelium and heating said target tissue with said energy delivery elements.

20. The method of claim 19, wherein remodeling includes contracting the target tissue, tightening the introitus, tightening the vagina, denaturing collagen, or tightening collagen-rich sites of the target tissue.

What is claimed is:

1. A device for remodeling female genital tissue, comprising a treatment tip (1) and a hand piece (2), wherein the treatment tip (1) is coupled through a connecting means (3) to the distal end of the hand piece (2), wherein the surface at the distal end of the treatment tip is conical, spherical, hemispherical, oval or circular in shape, wherein said surface comprises a plurality of energy delivery elements (4) that the user can turn on or off selectively, and are capable of contacting the target tissue in a 360-degree manner, wherein the device comprises one or more temperature sensors (11) comprising a first and a second junction, wherein the second junction of one temperature sensor comprises a needle that penetrates the epithelium and measures the temperature below the epithelium, wherein the device further comprises one or more of the following:

    one or more directional sensors (7) selected from accelerometers and gyroscopes; and

    one or more depth markers (8) showing the depth of penetration of the treatment tip into the vagina.

2. A device for remodeling female genital tissue, comprising a treatment tip (1) and a hand piece (2), wherein the treatment tip is coupled through a connecting means (3) to the distal end of the hand piece, wherein the surface at the distal end of the treatment tip is conical, spherical, hemispherical, oval or circular in shape, wherein said surface comprises a plurality of energy delivery elements (4) that the user can turn on or off selectively, and are capable of contacting the target tissue in a 360-degree manner, wherein the device comprises one or more temperature sensors (11) for measuring the temperature at or below the epithelium, wherein the device further comprises one or more directional sensors (7) selected from accelerometers and gyroscopes mounted on the hand piece or treatment tip.

3. The device of claim 2, further comprising one or more depth markers (8) showing the depth of penetration of the treatment tip into the vagina.

4. The device of any one of claims 1 to 2, wherein the plurality of energy delivery elements (4) can be turned on or off in a clockwise or counter-clockwise direction, or in any sequence or pattern.

5. The device of any one of claims 1 to 2, wherein the treatment tip (1) is removable from the hand piece (2).

6. The device of any one of claims 1 to 2, wherein the energy delivery elements (4) comprise an internal surface and an epithelium-contacting surface.

7. The device of any one of claims 1 to 2, wherein the inside of the distal end of the treatment tip (1) comprises an internal cooling chamber (5) configured to cool the energy delivery elements, wherein the cooling chamber comprises a plurality of nozzles (6) configured to spray a coolant onto the internal surface of the energy delivery elements.

8. The device of any one of claims 1 to 2, wherein the surface at the distal end of the treatment tip is fully covered by the energy delivery elements.

9. The device of any one of claims 1 to 2, wherein one or more areas of the surface at the distal end of the treatment tip are covered by an insulated material.

10. The device of any one of claims 1 and 3, wherein the depth markers are on the surface at the distal end of the treatment tip and are located on one or more side of the treatment tip.

11. A device with finger holder for remodeling female genital tissue, comprising a gripping means (14) and a hand piece (2), wherein the gripping means (14) is connected to the hand piece (2), wherein the gripping means (14) has a finger holder (12) at the distal end, and a wrapping loop (15) at the proximal end, wherein the finger holder is attached to a housing (13) having a surface that is oval, conical, hemispherical, spherical or circular in shape, and the surface of the housing (13) comprises a plurality of energy delivery elements (4) that the user can turn on or off selectively, and are capable of contacting the

target tissue in a 360-degree manner, wherein the device further comprises one or more of the following:

one or more temperature sensors (11) for measuring the temperature at or below the epithelium;

one or more directional sensors (7) selected from accelerometers and gyroscopes; and

one or more depth markers (8) showing the depth of penetration of the treatment tip into the vagina.

12. The device of claim 11, wherein the gripping means (14) is connected with the hand piece (2) via wires (16).

13. A device with finger holder for remodeling female genital tissue, comprising a finger holder (12), a hand piece (2) and a connecting means (3), wherein the finger holder (12) is coupled through the connecting means (3) to the distal end of the hand piece (2), wherein the finger holder is connected to a housing (13) having a surface that is oval, conical, hemispherical, spherical or circular in shape, and the surface of the housing comprises a plurality of energy delivery elements (4) that the user can turn on or off selectively, and are capable of contacting the target tissue in a 360-degree manner, wherein the device further comprises one or more of the following:

one or more temperature sensors (11) for measuring the temperature at or below the epithelium;

one or more directional sensors (7) selected from accelerometers and gyroscopes; and

one or more depth markers (8) showing the depth of penetration of the treatment tip into the vagina.

14. The device of claim 11 or 13, wherein the plurality of energy delivery elements (4) can be turned on or off in a clockwise or counter-clockwise direction, or in any sequence or pattern.

15. The device of claim 11 or 13, wherein the inside of the housing (13) comprises an internal cooling chamber (5) having a supply line of coolant opposite to the internal surface of the energy delivery element, wherein the supply line of coolant comprises a plurality of nozzles (6) configured to spray a coolant onto the internal surface of the energy delivery element.

16. The device of any one of claims 2, 11 and 13, wherein the temperature sensors are thermocouples, each comprising a first and a second junction.

17. The device of any one of claims 1 and 16, wherein the first junction is located on the hand piece or between the energy delivery elements and said hand piece.

18. The device of any one of claims 1 and 16, wherein the second junction is located at the distal end, proximal end, or middle of the energy delivery elements.

19. The device of claim 16, wherein the second junction comprises a blunt end that contacts the epithelium and measures its temperature.

20. The device of claim 16, wherein the second junction comprises a needle that penetrates the epithelium and measures the temperature below the epithelium.

21. The device of any one of claims 1, 2, 11 and 13, wherein the directional sensors employ electromagnetic or optical mechanisms to track the position of the device.

22. The device of any one of claims 1, 2, 11 and 13, wherein the directional sensors are mounted proximally or distally on the hand piece.

23. The device of any one of claims 1, 2, 11 and 13, wherein the directional sensors are mounted close to the energy delivery elements on the treatment tip.

24. The device of any one of claims 11 or 13, wherein the depth markers are on the surface of the housing.

25. The device of any one of claims 1, 3, 11 and 13, wherein the depth markers comprise raised lines, indented lines or numerical markings.