

CLAIMS

We Claim:

1. A treatment device for engaging and manipulating a median lobe of a prostate gland, comprising:
an elongate tissue access assembly coupled to a handle assembly, wherein the elongate tissue access assembly is configured to be inserted within an introducer sheath; and
a tissue engagement structure attached to a distal end portion of the elongate tissue access assembly, wherein the tissue engagement structure can transition from a contracted state to an expanded state when the elongate tissue access assembly exits a distal end of the introducer sheath.
2. The treatment device of claim 1, wherein the tissue engagement structure comprises a first expandable portion having an asymmetrical cross-section.
3. The treatment device of claim 2, wherein a proximal portion of the first expandable portion is attached to the elongate tissue access assembly.
4. The treatment device of claim 1, wherein the tissue engagement structure comprises a channel to receive the distal end portion of the elongate tissue access assembly.
5. The treatment device of claim 1, wherein movement of the tissue engagement structure relative to the elongate tissue access assembly is constrained to be along a longitudinal axis of the elongate tissue access assembly.
6. The treatment device of claim 5, wherein movement of the tissue engagement structure relative to the elongate tissue access assembly transitions the tissue engagement structure from the contracted state to the expanded state.
7. The treatment device of claim 1, wherein the elongate tissue access assembly further comprises an aperture and a needle assembly that is extendable through the aperture.
8. The treatment device of claim 7, wherein the tissue engagement structure further comprises a first visual marker indicating a tissue entry position for the needle assembly.

9. The treatment device of claim 2, wherein the tissue engagement structure further comprises a second expandable portion having an asymmetrical cross-section.

10. The treatment device of claim 9, wherein the elongate tissue access assembly further comprises an aperture and a needle assembly that is extendable through the aperture.

11. A system for engaging and manipulating a median lobe of a prostate gland, comprising:

an anchor delivery device comprising an elongate tissue access assembly, wherein the elongate tissue access assembly is configured to be inserted within an introducer sheath;

a tissue anchor housed within the anchor delivery device;

a tissue engagement structure attached to a distal end portion of the elongate tissue access assembly, wherein the tissue engagement structure can transition from a contracted state to an expanded state.

12. The system of claim 1, wherein the tissue engagement structure comprises a first expandable portion having an asymmetrical cross-section.

13. The system of claim 12, wherein a proximal portion of the first expandable portion is fixedly attached to the elongate tissue access assembly.

14. The system of claim 11, wherein the tissue engagement structure comprises a slidable portion coupled to the elongate tissue access assembly.

15. The system of claim 11, wherein movement of the tissue engagement structure relative to the elongate tissue access assembly transitions the tissue engagement structure from the contracted state to the expanded state.

16. The system of claim 11, wherein the anchor delivery device further comprises a needle assembly.

17. The system of claim 16, wherein the needle assembly is configured to deliver the tissue anchor.

18. The system of claim 17, wherein the tissue engagement structure comprises a first expandable portion.

19. The system of claim 18, wherein the first expandable portion further comprises a first visual marker indicating a tissue entry position for the needle assembly.

20. The system of claim 12, wherein the tissue engagement structure further comprises a second expandable portion.