WHAT IS CLAIMED IS :

1. A urological implant for retracting or/and supporting a prostatic urethra wall, the implant comprising:

an elongated implant body having a longitudinal axis, said longitudinal axis is perpendicular to a transverse plane and extending between a cranial end and a caudal end of said implant body along a median plane dividing said implant body into two symmetrical halves;

a first longitudinal rib included in a first of said two symmetrical halves;

a second longitudinal rib included in a second of said two symmetrical halves; said second longitudinal rib symmetrical to said first longitudinal rib across said median plane;

longitudinally spaced arched members, each of said arched members including an unsupported arch apex located between a first arch end and a second arch end, forming together a corresponding arched member plane being perpendicular to said median plane;

a first lateral spacer emerging from said first longitudinal rib and extending away from said first longitudinal rib and each said unsupported arch apex at least in one of a lateral direction and a sagittal direction, said first lateral spacer being independently contractible when subjected to a sagittal compressive force parallel to said median plane; and

a second lateral spacer emerging from said second longitudinal rib and extending away from said second longitudinal rib and each said unsupported arch apex at least in one of a lateral direction and a sagittal direction, said second lateral spacer being independently contractible when subjected to a sagittal compressive force parallel to said median plane;

wherein said arched members are interconnected via arch ends thereof such that said first arch ends of said arched members are connected sequentially along a length of said first longitudinal rib, and said second arch ends of said arched members are connected sequentially along a length of said second longitudinal rib, each of said first and said second longitudinal ribs extends through said transverse plane;

wherein each one of said arched members is elastically bendable so as to facilitate elastic contractibility of said implant body when said implant body is subjected to a transverse compressive force crossing said median plain.

2. The implant according to claim 1, wherein said implant body is sized and configured to retract or/and support an anterior portion of the prostatic urethra wall, and allowing collapse of an unsupported posterior portion of the prostatic urethra wall opposing said anterior portion.

3. The implant according to claim 2, said anterior portion extends between a bladder neck and an opening on the prostatic urethra wall opened to an ejaculatory duct, wherein said implant body is sized and configured so as to facilitate physical resistance of said collapsed unsupported posterior portion to a retrograde flow of semen from flowing therethrough towards said bladder neck.

4. The implant according to claim 1, wherein distance between each two closest of said arch apex is within a range of 5 mm and 15 mm.

5. The implant according to claim 1, said arched members include a caudal-most arch member and a cranial-most arch member.

6. The implant according to claim 5, further includes and at least one intermediate arch member provided therebetween.

7. The implant according to claim 5, wherein an intersection of said transverse plane and a cranial-most arched member plane, formed by said arch apex and first and second arch ends of said cranial-most arched member, forms a cranial-most angle within a range of 20 to 40 degrees.

8. The implant according to claim 5, wherein an intersection of said transverse plane and a caudal-most arched member plane, formed by said arch apex and first and second arch ends of said caudal-most arched member, forms a caudal-most angle within a range of 10 to 50 degrees.

9. The implant according to claim 6, wherein said arch apex and first and second arch ends of at least one of said intermediate arch member forms an intermediate arched member plane being parallel to said transverse plane.

10. The implant according to claim 1, wherein each one of said first and second lateral spacers includes a support rib portion curved to resemble curvature of a posterior surface of the prostatic urethra, wherein a first of said support rib portions is interconnected with said first longitudinal rib, and a second of said support rib portions is interconnected with said second longitudinal rib, via at least one support connecting portion.

11. The implant according to claim 10, wherein said support rib portion and/or said support connecting portion is elastically bendable so as to facilitate said elastic contractibility of said lateral spacers.

12. The implant according to claim 10, wherein said elastic contractibility of said first and second lateral spacers facilitates recoverable approximation of said support rib portion to a corresponding one of said first and said second longitudinal ribs when subjected to said sagittal compressive force.

13. The implant according to claim 10, wherein each one of said first and second lateral spacers includes two of said support connecting portion, forming a closed figure with said first or second support rib portion and said first or said second longitudinal rib, respectively.

14. The implant according to claim 13, wherein said closed figure encloses a contact surface configured for retracting or/and supporting the prostatic urethra wall.

15. The implant according to claim 13, wherein said closed figure resembles a meniscus lens shape with said first and second support rib portions contoured as a convex, and said first and said second longitudinal ribs contoured as a concave, of said meniscus lens shape.

16. The implant according to claim 13, wherein said closed figure is formed of a thin strip which incorporates said support connecting portions, said first or second support rib portion and said first or second longitudinal rib.

17. The implant according to claim 13, wherein each one of said first and said second longitudinal ribs forms a first upper corner with a first of said support connecting portions and a second upper corner with a second of said support connecting portions, wherein a caudal- most arched member of said arched members extends between corresponding corners of said first upper corner, and a cranial-most arched member of said arched members extends between corresponding corners of said second upper corner.

18. The implant according to claim 2, wherein each said arch apex is located above, and directed away from, said first and said second longitudinal ribs relative to said longitudinal axis, such that when the implant supports the prostatic urethra wall, said arch apex is located adjacent midline of an anterior portion of the prostatic urethra wall and said first and second said longitudinal ribs are positioned closer to a posterior portion of the prostatic urethra wall.

19. The implant according to claim 10, wherein said first and second lateral spacers are configured to approximate each other towards said median plane when said arched members are bent and said implant body is contracted.

20. The implant according to claim 1, wherein said implant body has a total height within a range of 10 mm to 40 mm and a width within a range of 8 mm to 30 mm, when in an expanded configuration.

21. The implant according to claim 1, wherein each arched member of said arched members forms a nominal angle within a range of 0 to 60 degrees along said corresponding arched member plane, when said implant body is in an expanded configuration.
22. The implant according to claim 21, wherein said implant body is configured to apply a contraction resistive force of at least 100grf when said arched members are forced into a compressed angle smaller than said nominal angle by at least 20%, thereby retracting or/and supporting the prostatic urethra wall so as to form a chosen nominal opening size across the prostatic urethra.
23. The implant according to claim 22, wherein said chosen nominal opening size has a cross section area of at least 10 mm square.
24. The implant according to claim 10, further comprising an implant extraction handle provided caudally distant to said implant body and symmetrically connected at one side thereof to said first lateral spacer and at second side thereof to said second lateral spacer.

25. The implant according to claim 24, wherein said implant extraction handle is shaped to correspond an outline of the urological implant formed by said first and second lateral spacers with an extraction handle apex thereof provided adjacent to a corresponding said arch apex of a caudal-most arched member of said arched members, and is configured to shift elastically, when under a pulling force originating therefrom, such that said extraction handle apex points in a caudal direction towards and/or along said longitudinal axis and away from said arch apex of said caudal-most arched member.
26. The implant according to claim 24, wherein said implant extraction handle configured to contract said first and second lateral spacers, when the implant is pulled caudally from said implant extraction handle against an edge of a retraction sheath enclosing a lumen sized to accommodate the implant therein when in a collapsed state.
27. The implant according to claim 24, wherein each of said first and second support rib portions forms a lower corner with a respective caudal-most support connection portion of said support connecting portions, wherein said implant extraction handle connected at one side thereof to one of said lower corner at said first lateral spacer and at second side thereof to another of said lower corner at said second lateral spacer.