GENDER-SPECIFIC MESH IMPLANT WITH BARRIER FOR INGUINAL HERNIA REPAIR

ABSTRACT

Disclosed herein are gender-specific implantable mesh for inguinal hernia repair in a patient, comprising: a fabric layer comprising a side defining a surface area wherein the fabric layer is configured to enable tissue adhesion to said mesh; an anti-adhesive barrier comprising a shape configured to prevent direct contact between the fabric layer and both a spermatic cord and a genital nerve upon implantation, wherein the shape covers a part of the surface area on the side of the fabric layer, the part being less than 25%, and wherein the shape is oblique to a horizontally-oriented centerline and a vertically-oriented centerline; and a keyhole configured to fit the genital nerve and the spermatic cord of the patient there through without constriction, wherein the keyhole is oblique and inferior to a horizontally-oriented centerline and medial to a vertically-oriented centerline.

FIG. 11B