

References

1. Bilsel Y, Abci I. The search for ideal hernia repair; mesh materials and types. *Int J Surg.* 2012; 10: 317-21.
2. Klosterhalfen B, Junge K, Klinge U. The lightweight and large porous mesh concept for hernia repair. *Expert Review of Medical Devices* 2005; 2: 103-17.
3. Lefranc O, Bayon Y, Montanari S, Gravagna P, Thérin M. Reinforcement Materials in Soft Tissue Repair: Key Parameters Controlling Tolerance and Performance – Current and Future Trends in Mesh Development 2010.
4. Lambertz A, Hil LCLVD, Schöb DS, Binnebösel M, Kroh A, Klinge U, et al. Analysis of adhesion formation of a new elastic thermoplastic polyurethane (TPU) mesh in comparison to polypropylene (PP) meshes in IPOM position. *Journal of the Mechanical Behavior of Biomedical Materials* 2015; 53: 366-72.
5. Cobb WS, Kercher KW, Heniford BT. The argument for lightweight polypropylene mesh in hernia repair. *Surgical Innovation* 2005; 12: 63.
6. Weyhe D, Cobb W, Lecuivre J, Alves A, Ladet S, Lomanto D, et al. Large pore size and controlled mesh elongation are relevant predictors for mesh integration quality and low shrinkage--Systematic analysis of key parameters of meshes in a novel minipig hernia model. *International Journal of Surgery* 2015; 22: 46.
7. Deeken CR, Abdo MS, Frisella MM, Matthews BD. Physicomechanical evaluation of polypropylene, polyester, and polytetrafluoroethylene meshes for inguinal hernia repair. *Journal of the American College of Surgeons* 2011; 212: 68-79.
8. Deeken CR, Jr TD, Castile RM, Lake SP. Biaxial analysis of synthetic scaffolds for hernia repair demonstrates variability in mechanical anisotropy, non-linearity and hysteresis. *Journal of the Mechanical Behavior of Biomedical Materials* 2014; 38: 6.
9. Li X, Kruger JA, Jor JWY, Wong V, Dietz HP, Nash MP, et al. Characterizing the ex vivo mechanical properties of synthetic polypropylene surgical mesh. *Journal of the Mechanical Behavior of Biomedical Materials* 2014; 37: 48-55.
10. Gaoming J, Xuhong M, Dajun L. Process of warp knitting mesh for hernia repair and its mechanical properties. *FIBRES & TEXTILES in Eastern Europe* 2005; 13, 3(51):44-46.
11. Zhu LM, Schuster P, Klinge U. Mesh implants: An overview of crucial mesh parameters. *World J Gastrointest Surg.* 2015; 7: 226-36.
12. Medén-Britth G, Rådegran K. Ultra-Light Knitted Structures for Application in Urologinecology and General Surgery – Optimization Of Structure. *Journal of Food Process Engineering* 2011; 33: 861–82.
13. Zhao S, Li Q, Miao X, Ma P. Design and development of warp knitting hernia mesh. *Technical Textiles* 2014.
14. Ciobanu AR, Ciobanu L, Dumitras C, Sârghie B. Comparative Analysis of the Bursting Strength of Knitted Sandwich Fabrics. *FIBRES & TEXTILES in Eastern Europe* 2016; 24, 2(116): 95-101. DOI: 10.5604/12303666.1191432
15. Havlová M, Špánková J. Porosity of Knitted Fabrics in the Aspect of Air Permeability-Discussion of Selected Assumptions. *FIBRES & TEXTILES in Eastern Europe.* 2017; 25, 3(123): 86-91. DOI: 10.5604/01.3001.0010.1695
16. Liu YY, Chen NL. Effect of Heat-Setting on Structural Parameters and Mechanical Properties of PP Monofilament Hernia Patch. *Journal of Donghua University (English Edition).* 2014;31:654-8.
17. Klinge U, Klosterhalfen B, Öttinger AP, Junge K, Schumpelick V. PVDF as a new polymer for the construction of surgical meshes. *Biomaterials* 2002; 23: 3487.
18. Jr SW. Alloplasts and biointegration. *Journal of Endourology* 2000; 14: 9-17.
19. Gonzalez R, Fugate K, Iii MC, Ritter EM, Lederman A, Dillehay D, et al. Relationship

Between Tissue Ingrowth and Mesh Contraction. *World Journal of Surgery* 2005; 29: 1038.

20. Conze J, Rosch R, Klinge U, Weiss C, Anurov M, Titkova S, et al. Polypropylene in the intra-abdominal position: influence of pore size and surface area. *Hernia: The Journal of Hernias and Abdominal Wall Surgery* 2004; 8: 365-72.