

Scientific publications

› **Titanised meshes for hernia surgery**

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In Vivo Studies Comparing the Biocompatibility of Various Polypropylene Meshes and Their Handling Properties During Endoscopic Total Extraperitoneal (TEP) Patchplasty: An Experimental Study in Pigs

› *Scheidbach et al., Surg Endosc., 2004. 18(2): p. 211-220.*

Influence of Titanium Coating on the Biocompatibility of a Heavyweight Polypropylene Mesh

› *Scheidbach et al., Eur Surg. Res., 2004. 36(5): p. 313-317.*

Totally Extraperitoneal Inguinal Hernioplasty with Titanium-Coated Lightweight Polypropylene Mesh: Early Results.

(Patients: 400)

› *Tamme et al., Surg Endosc., 2005. 19(8): p. 1125-1129.*

Impact of Polypropylene Amount on Functional Outcome and Quality of Life after Inguinal Hernia Repair by the TAPP procedure Using Pure, Mixed, and Titanium-coated Meshes

(Patients: 223)

› *Horstmann et al., World J Surg., 2006. 30(9): p. 1742-1749.*

A Lightweight Polypropylene Mesh (TiMESH) For Laparoscopic Intraperitoneal Repair of Abdominal Wall Hernias: Comparison of Biocompatibility with the DualMesh in an Experimental Study Using the Porcine Model

› *Schug-Paß et al., Surg. Endosc., 2006. 20(3): p. 402-409.*

The Assessment of Quality of Life in a Trial on Lightweight Mesh Fixation with Fibrin Sealant in Transabdominal Preperitoneal Hernia Repair

(Patients: 11)

› *Fortelny et al., Hernia, 2008. 12(5): p. 499-505.*

Evaluation of Lightweight Titanium-Coated Polypropylene Mesh (TiMESH) for Laparoscopic Repair of Large Hiatal Hernias

(Patients: 18)

› *Hazebroek et al., Surg Endosc., 2008. 22(11): p. 2428-2432.*

Randomized Clinical Trial of Groin Hernia Repair with Titanium-Coated Lightweight Mesh Compared with Standard Polypropylene Mesh

(Patients: 156)

› *Koch et al., Br. J. Surg., 2008. 95(10): p. 1226-1231.*

Fibrin Sealant (Tisseel) for Hiatal Mesh Fixation in an Experimental Model in Pigs

› *Fortelny et al., J Surg.Res, 2010. 162(1): p. 68-74.*

Early Postoperative and One Year Results of a Randomized Controlled Trial Comparing the Impact of Extralight Titanized Polypropylene Mesh and Traditional Heavyweight Polypropylene Mesh on Pain and Seroma Production in Laparoscopic Hernia Repair (TAPP)

(Patients: 150)

› *Bittner et al., World J Surg., 2011. 35(8): p. 1791-1797.*

The Feasibility of FS Mesh Fixation by a Transgastric Approach – An Important Benefit in Future NOTES Procedures?

› *Fortelny et al., J Surg.Res, 2011. 171(1): p. 80-86.*

Hiatoplasty Reinforcement by Means of a Lightweight Titanized Polypropylene Mesh Fixed with Fibrin Glue

(Patients: 26)

› *Kanellos et al., Zentralbl Chir., 2011. 136(3): p. 244-248.*

Chronic Pain after Laparoscopic Transabdominal Preperitoneal Hernia Repair: A Randomized Comparison of Light and Extralight Titanized Polypropylene Mesh

(Patients: 380)

› *Schopf et al., World J Surg., 2011. 35(2): p. 302-310.*

The Impact of Atraumatic Fibrin Sealant vs. Staple Mesh Fixation in TAPP Hernia Repair on Chronic Pain and Quality of Life: Results of a Randomized Controlled Study

(Patients: 89)

› *Fortelny et al., Surg Endosc., 2012. 26(1): 249-54.*

Randomized Clinical Trial of Laparoscopic Hernia Repair Comparing Titanium-Coated Lightweight Mesh and Medium-Weight Composite Mesh

(Patients: 51)

› *Moreno-Egea et al., Surg Endosc., 2013. 27(1): p. 231-239.*

Guidelines for Laparoscopic Treatment of Ventral and Incisional Abdominal Wall Hernias (International Endohernia Society [IEHS]) – Part III

› *Bittner et al., Surg Endosc., 2014. 28: p. 380-404.*

What Do We Know About Titanized Polypropylene Meshes? An Evidence-Based Review of the Literature

▶ Köckerling et al., *Hernia*, 2014. 18(4): p. 445-57.

Is It Possible to Eliminate Sutures in Open (Lichtenstein Technique) and Laparoscopic (Totally Extraperitoneal Endoscopic) Inguinal Hernia Repair? A Randomized Controlled Trial with Tissue Adhesive (n-Hexyl- α -Cyanoacrylate)

(Patients: 208)

▶ Moreno-Egea, *Surg Innov.*, 2014. 21(6): p. 590-599.

Which Should Be the Gold Standard Laparoscopic Technique for Handling Spigelian Hernias?

(Patients: 7)

▶ Moreno-Egea et al., *Surg Endosc.*, 2015. 29(4): p. 856-862.

The Influence of Titanium Coating of Mesh Polypropylene Endoprotheses on Their Biocompatibility

▶ Babichenko et al., *Cell and Tissue Biology*, 2016. 10(4): p. 332-339.

Adhesion Prevention in Ventral Hernia Repair: An Experimental Study Comparing Three Lightweight Porous Meshes Recommended for Intraperitoneal Use

▶ D'Amore et al., *Hernia*, 2017. 21(1): p. 115-123.

Endoscopic-Assisted Linea Alba Reconstruction - New Technique for Treatment of Symptomatic Umbilical, Trocar, and/or Epigastric Hernias with Concomitant Rectus Abdominis Diastasis

(Patients: 140)

▶ Köckerling et al., *Eur Surg.*, 2017. 49(2): p. 71-75.

The Importance of Registries in the Postmarketing Surveillance of Surgical Meshes

(Patients: 201)

▶ Köckerling et al., *Ann Surg.*, 2017. doi: 10.1097/SLA.0000000000002326.

Long-Term Outcomes of Laparoscopic Large Hiatus Hernia Repair with Nonabsorbable Mesh

(Patients: 50)

▶ Gordon et al., *Dis Esophagus.*, 2018. 31(5): p. 1-6.

Titanium-Coated Mesh Versus Standard Polypropylene Mesh in Laparoscopic Inguinal Hernia Repair: A Prospective, Randomized, Controlled Clinical Trial

(Patients: 50)

▶ Yang et al., *Hernia*, 2018. doi: 10.1007/s10029-018-1823-z.

Contact

Should you have any questions our Regulatory and Clinical Affairs Team will be glad to assist you.

✉ pms@pfmmedical.com

☎ +49 (0)2236 9641-99 272

pfm medical ag
Wankelstraße 60
50996 Köln, Germany

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