

## Implant Material

1. Klinge U, Klosterhalfen B, Ottinger AP, et al (2002)  
**PVDF as a new polymer for the construction of surgical meshes.**  
*Biomaterials* 23:3487-3493
2. Klink CD, Junge K, Binnebösel M, et al (2011)  
**Comparison of long-term biocompatibility of PVDF and PP meshes.**  
*J Invest Surg* 24:292-299. <https://doi.org/10.3109/08941939.2011.589883>
3. Gerullis H, Georgas E, Eimer C, et al (2011)  
**Evaluation of Biocompatibility of Alloplastic Materials: Development of a Tissue Culture In Vitro Test System.**  
*Surgical technology international* 21:21
4. Gerullis H, Klosterhalfen B, Borós M, et al (2013)  
**IDEAL in Meshes for Prolapse, Urinary Incontinence, and Hernia Repair.**  
*Surg Innov.* <https://doi.org/10.1177/1553350612472987>
5. Laroche G, Marois Y, Schwarz E, et al (1995)  
**Polyvinylidene fluoride monofilament sutures: can they be used safely for long-term anastomoses in the thoracic aorta?**  
*Artif Organs* 19:1190-1199
10. Berger D, Bientzle M (2008)  
**Polyvinylidene fluoride: a suitable mesh material for laparoscopic incisional and parastomal hernia repair!**  
*Hernia* 13:167-172. <https://doi.org/10.1007/s10029-008-0435-4>
11. Junge K, Binnebösel M, Rosch R, et al (2008)  
**Adhesion formation of a polyvinylidene fluoride/polypropylene mesh for intra-abdominal placement in a rodent animal model.**  
*Surgical Endoscopy* 23:327-333. <https://doi.org/10.1007/s00464-008-9923-y>
16. Junge K, Binnebösel M, Kauffmann C, et al (2010)  
**Damage to the spermatic cord by the Lichtenstein and TAPP procedures in a pig model.**  
*Surgical Endoscopy* 25:146-152. <https://doi.org/10.1007/s00464-010-1148-1>
21. Klinge U, Binnebösel M, Kuschel S, Schuessler B (2007)  
**Demands and properties of alloplastic implants for the treatment of stress urinary incontinence.**  
*Expert Rev Med Devices* 4:349-359. <https://doi.org/10.1586/17434440.4.3.349>
27. Mary C, Marois Y, King MW, et al (1998)  
**Comparison of the in vivo behavior of polyvinylidene fluoride and polypropylene sutures used in vascular surgery.**  
*ASAIO J* 44:199-206
50. Roman S, Urbánková I, Callewaert G, et al (2016)  
**Evaluating Alternative Materials for the Treatment of Stress Urinary Incontinence and Pelvic Organ Prolapse: A Comparison of the In Vivo Response to Meshes Implanted in Rabbits.**  
*The Journal of Urology* 196:261-269. <https://doi.org/10.1016/j.juro.2016.02.067>

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52. Silva RA, Silva PA, Carvalho ME (2007)  
**Degradation studies of some polymeric biomaterials: Polypropylene (PP) and polyvinylidene difluoride (PVDF).**  
*THERMEC 2006, Pts 1-5 539-543:573-576*
68. Conze J, Junge K, Weiss C, et al (2008)  
**New polymer for intra-abdominal meshes--PVDF copolymer.**  
*J Biomed Mater Res Part B Appl Biomater 87:321-328. <https://doi.org/10.1002/jbm.b.31106>*
91. Hara T (2004)  
**Ten-Year Results of Anterior Chamber Fixation of the Posterior Chamber Intraocular Lens.**  
*Arch Ophthalmol 122:1112. <https://doi.org/10.1001/archophth.122.8.1112>*

6. Mühl T, Binnebösel M, Klinge U, Goedderz T (2008)  
**New objective measurement to characterize the porosity of textile implants.**  
*Journal of Biomedical Materials Research Part B: Applied Biomaterials* 84B:176–183.  
<https://doi.org/10.1002/jbm.b.30859>
8. Klinge U, Klosterhalfen B (2012)  
**Modified classification of surgical meshes for hernia repair based on the analyses of 1,000 explanted meshes.**  
*Hernia* 16:251–258. <https://doi.org/10.1007/s10029-012-0913-6>
25. Klosterhalfen B, Junge K, Klinge U (2005)  
**The lightweight and large porous mesh concept for hernia repair.**  
*Expert Rev Med Devices* 2:103–117. <https://doi.org/10.1586/17434440.2.1.103>
26. Otto J, Kaldenhoff E, Kirschner-Hermanns R, et al (2013)  
**Elongation of textile pelvic floor implants under load is related to complete loss of effective porosity, thereby favouring incorporation in scar plates.**  
*Journal of Biomedical Materials Research Part A n/a-n/a*. <https://doi.org/10.1002/jbm.a.34767>
38. Kaldenhoff E, Klinge U, Klosterhalfen B, et al (2013)  
**Von der Prolaps- zur Problempatientin: Schenken wir der Qualität von Netzimplantaten genügend Aufmerksamkeit?**  
*Der Gynäkologe* 46:469–476. <https://doi.org/10.1007/s00129-012-3124-4>
53. Zhu L-M, Schuster P, Klinge U (2015)  
**An overview of crucial mesh parameters.**  
*World Journal of Gastrointestinal Surgery*

## DynaMesh® visible

7. Hansen NL, Barabasch A, Distelmaier M, et al (2013)  
**First In-Human Magnetic Resonance Visualization of Surgical Mesh Implants for Inguinal Hernia Treatment.**  
*Invest Radiol.* <https://doi.org/10.1097/RLI.0b013e31829806ce>
21. Klinge U, Binneboesel M, Kuschel S, Schuessler B (2007)  
**Demands and properties of alloplastic implants for the treatment of stress urinary incontinence.**  
*Expert Rev Med Devices* 4:349–359. <https://doi.org/10.1586/17434440.4.3.349>
29. Kuehnert N, Kraemer NA, Otto J, et al (2011)  
**In vivo MRI visualization of mesh shrinkage using surgical implants loaded with superparamagnetic iron oxides.**  
*Surgical Endoscopy* 26:1468–1475. <https://doi.org/10.1007/s00464-011-2057-7>
46. Iva U, Nikhil S, Geertje C, et al (2017)  
**In vivo documentation of shape and position changes of MRI-visible mesh placed in rectovaginal septum.**  
*Journal of the Mechanical Behavior of Biomedical Materials* 75:379–389.  
<https://doi.org/10.1016/j.jmbbm.2017.08.005>
48. Sindhvani N, Feola A, De Keyzer F, et al (2015)  
**Three-dimensional analysis of implanted magnetic-resonance-visible meshes.**  
*International Urogynecology Journal* 26:1459–1465. <https://doi.org/10.1007/s00192-015-2681-1>
51. Köhler G, Pallwein-Prettner L, Lechner M, et al (2015)  
**First human magnetic resonance visualisation of prosthetics for laparoscopic large hiatal hernia repair.**  
*Hernia* 19:975–982. <https://doi.org/10.1007/s10029-015-1398-x>
56. Köhler G, Pallwein-Prettner L, Koch OO, et al (2015)  
**Magnetic Resonance-Visible Meshes for Laparoscopic Ventral Hernia Repair.**  
*JLS : Journal of the Society of Laparoendoscopic Surgeons* 19:e2014.00175.  
<https://doi.org/10.4293/JLS.2014.00175>
62. Köhler G, Wundsam H, Pallwein-Prettner L, et al (2015)  
**Magnetic resonance visible 3-D funnel meshes for laparoscopic parastomal hernia prevention and treatment.**  
*European Surgery* 47:127–132. <https://doi.org/10.1007/s10353-015-0319-7>
69. Kuehnert N, Otto J, Conze J, et al (2014)  
**Time-Dependent Changes of Magnetic Resonance Imaging-Visible Mesh Implants in Patients**
70. Hansen NL, Ciritsis A, Otto J, et al (2015)  
**Utility of Magnetic Resonance Imaging to Monitor Surgical Meshes: Correlating Imaging and Clinical Outcome of Patients Undergoing Inguinal Hernia Repair.**  
*Invest Radiol.* <https://doi.org/10.1097/RLI.0000000000000148>
76. Lechner M, Meissnitzer M, Borhanian K, et al (2019)  
**Surgical and radiological behavior of MRI-depictable mesh implants after TAPP repair: the IRONMAN study.**  
*Hernia.* <https://doi.org/10.1007/s10029-019-02019-2>

## Implant Fixation

79. Villalobos RN, Mias MC, Gas C, et al (2019)  
**Atraumatic laparoscopic intraperitoneal mesh fixation using a new laparoscopic device: an animal experimental study.**  
*Hernia.* <https://doi.org/10.1007/s10029-019-02008-586>
  
86. Wilson P (2020)  
**Laparoscopic intraperitoneal onlay mesh (IPOM) repair using n-butyl-2-cyanoacrylate (Liquiband Fix8™) for mesh fixation: learning experience and short-medium term results.**  
*Hernia.* <https://doi.org/10.1007/s10029-020-02144-3>