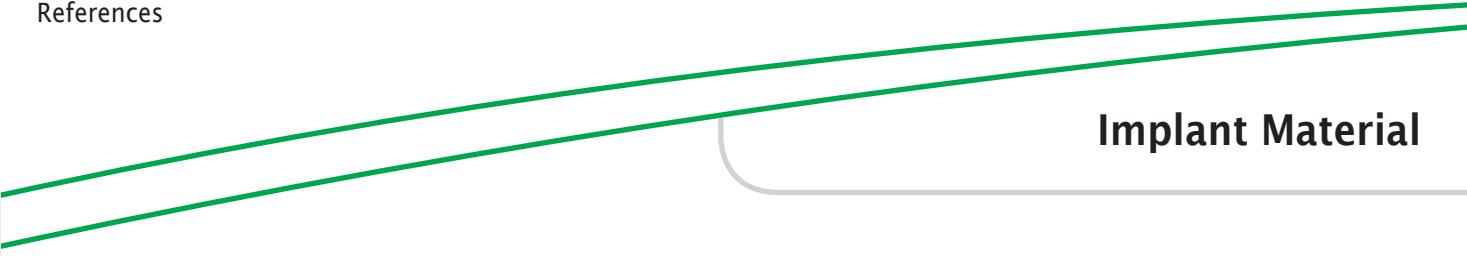
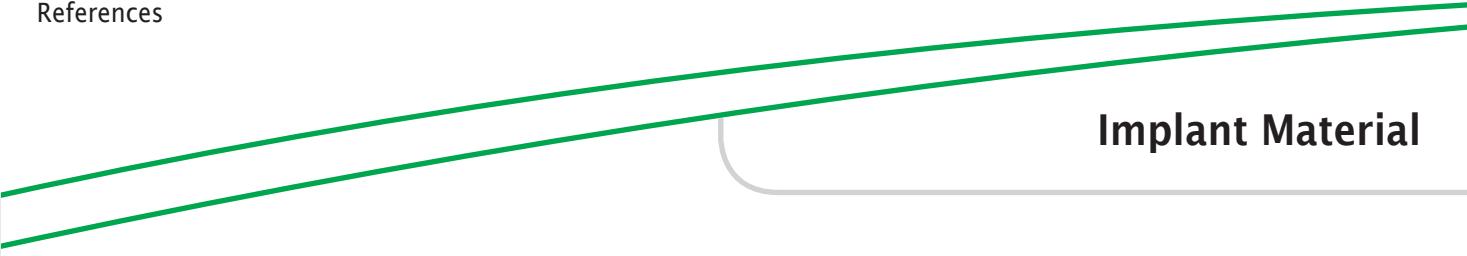


References

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 polyvinylidenefluoride/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>
20. Göretzlehner U, Müllen A (2007)
PVDF als Implantat-Werkstoff in der Urogynäkologie.
BIOmaterialien 8 (S1):28-29
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>
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>

References

Implant Material

91. Hara T (2004)
Ten-Year Results of Anterior Chamber Fixation of the Posterior ChamberIntraocular Lens.
Arch Ophthalmol 122:1112. <https://doi.org/10.1001/archophth.122.8.1112>
93. Wang H, Klosterhalfen B, Müllen A, et al (2021)
Degradation resistance of PVDF mesh in vivo in comparison to PP mesh.
J Mech Behav Biomed Mater 119:104490. <https://doi.org/10.1016/j.jmbbm.2021.104490>
100. Karabulut A, Simavli SA, Abban GM, et al (2016)
Tissue reaction to urogynecologic meshes: effect of steroid soaking in two different mesh models.
Int Urogynecol J 27:1583–1589. <https://doi.org/10.1007/s00192-016-3013-9>

References

Product Design

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
102. Klinge U, Park J-K, Klosterhalfen B (2013)
The Ideal Mesh.
Pathobiology 80:169–175. <https://doi.org/10.1159/000348446>
103. Klosterhalfen B, Klinge U (2013)
Retrieval study at 623 human mesh explants made of polypropylene - impact of mesh class and indication for mesh removal on tissue reaction.
Journal of Biomedical Materials Research Part B: Applied Biomaterials n/a-n/a. <https://doi.org/10.1002/jbmb.32958>
104. Klinge U, Junge K, Spellerberg B, et al (2002)
Do multifilament alloplastic meshes increase the infection rate? Analysis of the polymeric surface, the bacteria adherence, and the in vivo consequences in a rat model.
J Biomed Mater Res 63:765–771. <https://doi.org/10.1002/jbm.10449>
105. Klinge U, Klosterhalfen B, Birkenhauer V, et al (2002)
Impact of polymer pore size on the interface scar formation in a rat model.
J Surg Res 103:208–214. <https://doi.org/10.1006/jsre.2002.6358>

References

 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>
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>
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>
54. Muysoms F, Beckers R, Kyle-Leinhase I (2018)
Prospective cohort study on mesh shrinkage measured with MRI after laparoscopic ventral hernia repair with an intraperitoneal iron oxide-loaded PVDF mesh.
Surgical Endoscopy 32:2822-2830. <https://doi.org/10.1007/s00464-017-5987-x>
56. Köhler G, Pallwein-Prettner L, Koch OO, et al (2015)
Magnetic Resonance-Visible Meshes for Laparoscopic Ventral Hernia Repair.
JSLS : Journal of the Society of Laparoendoscopic Surgeons 19:e2014.00175. <https://doi.org/10.4293/JSLS.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, Cirlitsis 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>
71. Weyhe D, Klinge U, Uslar VN, et al (2019)
Follow Up Data of MRI-Visible Synthetic Meshes for Reinforcement in Large Hiatal Hernia in Comparison to None-Mesh Repair – A Prospective Cohort Study.
Front Surg 6:. <https://doi.org/10.3389/fsurg.2019.00017>
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>
90. Özveri E, Şanlı DET, Yıldırım D, et al (2020)
Magnetic resonance visualization of iron-loaded meshes in patients with pain after inguinal hernia repair.
Hernia. <https://doi.org/10.1007/s10029-020-02168-9>

References

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/s10029-019-02008-5>
86. Wilson P (2020)
Laparoscopic intraperitoneal onlay mesh (IPOM) repair using n-butyl-2-cyanoacrylate (Liquiband Fix8TM) for mesh fixation: learning experience and short-medium term results.
Hernia. <https://doi.org/10.1007/s10029-020-02144-3>
97. Carus T (2021)
Die laparoskopische IPOM-Operation bei Nabel- und Bauchwandhernien – Netzfixierung in Klebetechnik.
6