

Klinik für Plastische Chirurgie und Handchirurgie



PD Dr. med. Holger Jan Klein
Leitender Arzt

Klinik für Plastische Chirurgie und Handchirurgie
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Curriculum Vitae

Schwerpunkte

- Rekonstruktive Mikrochirurgie
- Kopf-/Hals-Rekonstruktion
- Fazialischirurgie
- Ästhetische Medizin und Chirurgie
- Brustchirurgie

Facharzttitle

FMH Plastische, Rekonstruktive und Ästhetische Chirurgie (Fellow of the European Board of Plastic, Reconstructive and Aesthetic Surgery (EBOPRAS))

Diplome und Fähigkeitszeugnisse

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| 2021 | Habilitation zur Erlangung der Venia legendi an der Universität Zürich |
| 2018 | FMH Plastische, Rekonstruktive und Ästhetische Chirurgie |
| 2013 | Promotion zum Doktor der Medizin |
| 2011 | Approbation zur Ausübung der ärztlichen Tätigkeit |
| 2005 | Vordiplom Psychologie |

Aus- und Weiterbildungen

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| Seit 08/2021 | Leitender Arzt, Klinik für Plastische Chirurgie und Handchirurgie, Kantonsspital Aarau (Prof. Dr. J. Plock) |
| 2019 | Fellowship in Reconstructive Microsurgery of the Head and Neck, (EURAPS/AAPS fellow), The University of Texas MD Anderson Cancer Center - Department of Plastic Surgery, Houston, USA (Prof. C. E. Butler) |

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| 2018 – 2021 | Oberarzt, Klinik für Plastische Chirurgie und Handchirurgie, UniversitätsSpital Zürich (Prof. Dr. P. Giovanoli) |
| 2017/2018 | Reconstructive Microsurgery Fellowship, Department of Plastic and Maxillofacial Surgery, University Hospital Uppsala, Sweden (Professor A. Rodriguez-Lorenzo) |
| 2017 | Fellowship in Ästhetischer Chirurgie und Body-Contouring, Dreifaltigkeits-Krankenhaus Wesseling, Deutschland (Dr. D. Richter) |
| 2016-2018 | Oberarzt i.V., Klinik für Plastische Chirurgie und Handchirurgie, UniversitätsSpital Zürich (Prof. Dr. P. Giovanoli) |
| 2014 – 2018 | Fachspezifische Ausbildung, Klinik für Plastische Chirurgie und Handchirurgie, UniversitätsSpital Zürich (Prof. Dr. P. Giovanoli) |
| 2012 – 2014 | Chirurgische Grundausbildung (common trunk), UniversitätsSpital Zürich (Prof. Dr. P.-A. Clavien) |

Mitgliedschaften

Deutschsprachige Arbeitsgemeinschaft für Mikrochirurgie der peripheren Nerven und Gefässe (DAM)
Schweizerische Gesellschaft für Plastische, Rekonstruktive und Ästhetische Chirurgie (SGPRAC)

Auszeichnungen

Forschungsstipendium der Gottfried und Julia Bangerter-Rhyner-Stiftung

Forschungsstipendium der Schweizerische Gesellschaft für Plastische, Rekonstruktive und Ästhetische Chirurgie (SGPRAC)

Winner of the EURAPS/AAPS Fellowship 2018

Wissenschaftspreis am Jahreskongress der Schweizerischen Gesellschaft für Plastische, Rekonstruktive und Ästhetische Chirurgie (SGPRAC) 2022

Publikationen

1. Originalarbeiten

- (1) Temporal and Zygomatic Branches of the Facial Nerve Contain Nonmyelinated Axons.
Tereshenko V, Blumer R, Klein HJ, Schweizer R, Aszmann OC, Bergmeister KD.
Facial Plast Surg Aesthet Med. 2022 Sep 27. doi: 10.1089/fpsam.2022.0210
- (2) The Multiple Rib Osteomyocutaneous Split Latissimus Dorsi Flap for Calvarial Reconstruction: Indication, Operative Technique, and Review of Literature.
Klein HJ, Giovanoli P, Schweizer R.
J Craniofac Surg. 2022 Jul 28. doi: 10.1097/SCS.00000000000008754.
- (3) Burn Scar Ectropion Correction: Surgical Technique for Functional Outcomes.
Zucal I, Waldner M, Shojaati G, Schweizer R, Klein HJ, Giovanoli P, Plock JA.
Ann Plast Surg. 2022 Mar 1;88(3):271-276. doi: 10.1097/SAP.00000000000003047
- (4) A swim test for functional assessment of rodent peripheral nerve regeneration.
Targosinski S, Henzi A, Engmann AK, Rushing EJ, Barth AA, Klein HJ, Kim BS, Giovanoli P, Schwab ME, Plock JA, Schweizer R.

J Neurosci Methods. 2022 Sep 1;379:109663. doi: 10.1016/j.jneumeth.2022.109663.

- (5) Outcome Comparison of Different Reconstructive Approaches for Axillary Defects Secondary to Radical Excision of Hidradenitis Suppurativa.
Tereshenko V, Schweizer R, Waldner M, Kim BS, Giovanoli P, Klein HJ.
Dermatology. 2022;238(5):851-859. doi: 10.1159/000521573. Epub 2022 Jan 27.
- (6) Evolution of a concept with enzymatic debridement and autologous in situ cell and platelet-rich fibrin therapy (BroKerF).
Waldner M, Ismail T, Lunger A, Klein HJ, Schweizer R, Alan O, Breckwoldt T, Giovanoli P, Plock JA.
Scars Burn Heal. 2022 Jan 6;8:20595131211052394. doi: 10.1177/20595131211052394.
eCollection 2022 Jan-Dec.
- (7) Incidence and Time Point of Sepsis Detection as Related to Different Sepsis Definitions in Severely Burned Patients and Their Accompanying Time Course of Pro-Inflammatory Biomarkers
Niggemann P, Rittirsch D, Buehler PK, Schweizer R, Giovanoli P, Reding T, Graf R, Plock JA, Klein HJ
J Pers Med. 2021
- (8) Accuracy of pancreatic stone protein for the diagnosis of infection in hospitalized adults: a systematic review and individual patient level meta-analysis.
Prazak J, Irincheeva I, Llewelyn MJ, Stolz D, García de Gadiana Romualdo L, Graf R, Reding T, Klein HJ, Eggimann P, Que YA.
Crit Care. 2021 May 28;25(1):182. doi: 10.1186/s13054-021-03609-2.
- (9) Selective Denervation of the Facial Dermato-Muscular Complex in the Rat: Experimental Model and Anatomical Basis.
Tereshenko V, Dotzauer DC, Maierhofer U, Festin C, Luft M, Laengle G, Politikou O, Klein HJ, Blumer R, Aszmann OC, Bergmeister KD.
Front Neuroanat. 2021 Mar 22;15:650761. doi: 10.3389/fnana.2021.650761. eCollection 2021.
- (10) Risk Factors for Mortality and Prolonged Hospitalization in Electric Burn Injuries.
Schweizer R, Pedrazzi N, Klein HJ, Gentzsch T, Kim BS, Giovanoli P, Plock JA.
J Burn Care Res. 2021 May 7;42(3):505-512. doi: 10.1093/jbcr/iraa192.
- (11) Expression of Pancreatic Stone Protein is unaffected by trauma and subsequent surgery in burn patients.
Klein HJ, Buehler PK, Niggemann P, Rittirsch D, Schweizer R, Waldner M, Giovanoli P, Cinelli P, Reding T, Graf R, Plock JA
World J Surg. 2020 Sep;44(9):3000-3009. doi: 10.1007/s00268-020-05589-w.
- (12) Response of routine inflammatory biomarkers and novel Pancreatic Stone Protein to inhalation injury and its interference with sepsis detection in severely burned patients.
Klein HJ, Rittirsch D, Buehler PK, Schweizer R, Giovanoli P, Cinelli P, Plock JA, Reding T, Graf R
Burns. 2021 Mar;47(2):338-348. doi: 10.1016/j.burns.2020.04.039. Epub 2020 May 3.
- (13) Pancreatic Stone Protein Predicts Sepsis in Severely Burned Patients Irrespective of Trauma Severity: A Monocentric Observational Study.
Klein HJ, Niggemann P, Buehler PK, Lehner F, Schweizer R, Rittirsch D, Fuchs N, Waldner M, Steiger P, Giovanoli P, Reding T, Graf R, Plock JA.
Ann Surg. 2020 Jan 14. doi: 10.1097/SLA.0000000000003784.
- (14) The Significance of Vascular Alterations in Acute and Chronic Rejection for Vascularized Composite Allotransplantation.
Kollar B, Kamat P, Klein HJ, Waldner M, Schweizer R, Plock JA.
J Vasc Res. 2019;56(4):163-180. doi: 10.1159/000500958. Epub 2019 Jul 2. Review.
- (15) Contemporary Concepts of Primary Dynamic Facial Nerve Reconstruction in the Oncologic Patient.

Klein HJ, Guedes T, Tzou CJ, Rodriguez-Lorenzo A.
J Craniofac Surg. 2019 Nov-Dec;30(8):2578-2581. doi: 10.1097/SCS.00000000000005619.

- (16) The International Fellowship Program in Microsurgery at Uppsala University Hospital: A Paragon Throughout Europe.
Klein HJ.
Ann Plast Surg. 2018 Aug;81(2):137-139. doi: 10.1097/SAP.0000000000001460.
- (17) Adipose-derived stromal cell therapy combined with a short course nonmyeloablative conditioning promotes long-term graft tolerance in vascularized composite allotransplantation.
Schweizer R, Taddeo A, Waldner M, Klein HJ, Fuchs N, Kamat P, Targosinski S, Barth AA, Drach MC, Gorantla VS, Cinelli P, Plock JA.
Am J Transplant. 2019 Nov 27. doi: 10.1111/ajt.15726.
- (18) Patients with abdominal-based free flap breast reconstruction a decade after surgery: A comprehensive long-term follow-up study.
Liu T, Freijs C, Klein HJ, Feinbaum A, Svee A, Lorenzo AR, Liss A, Acosta R, Mani M.
J Plast Reconstr Aesthet Surg. 2018 Sep;71(9):1301-1309.
- (19) Screening of HLA sensitization during acute burn care.
Klein HJ, Lehner F, Schweizer R, Rüsi-Elsener B, Nilsson J, Plock JA.
Burns. 2018 Aug;44(5):1330-1335. doi: 10.1016/j.burns.2018.01.010. Epub 2018 Mar 7.
- (20) Occurrence of Occult Malignancies in Reduction Mammoplasties.
Waldner M, Klein HJ, Künzi W, Guggenheim M, Plock JA, Giovanoli P.
Front Surg. 2018 Feb 28;5:17. doi: 10.3389/fsurg.2018.00017. eCollection 2018.
- (21) Sonographic study of repair, gapping and tendon bowstringing after primary flexor digitorum profundus repair in zone 2.
Reissner L, Zechmann-Mueller N, Klein HJ, Calcagni M, Giesen T.
J Hand Surg Eur Vol. 2018 Jun;43(5):480-486. doi: 10.1177/1753193418762921. Epub 2018 Mar 19.
- (22) Thumb carpometacarpal joint denervation for primary osteoarthritis: A prospective study of 31 thumbs.
Giesen T, Klein HJ, Franchi A, Medina JA, Elliot D.
Hand Surg Rehabil. 2017 Jun;36(3):192-197. doi: 10.1016/j.hansur.2017.01.007. Epub 2017 Apr 25.
- (23) Complications After Cosmetic Surgery Tourism
Klein HJ, Simic D, Fuchs N, Schweizer R, Mehra T, Giovanoli P, Plock JA.
Aesthet Surg J. 2017 Apr 1;37(4):474-482. doi: 10.1093/asj/sjw198.
- (24) Evaluation of factors in seroma formation and complications in sentinel and radical lymph node dissections in skin cancer patients
Greuter L, Klein HJ, Rezaeian F, Giovanoli P, Lindenblatt N.
Eur J Plast Surg. 2016 Sept
- (25) Midterm Results of Semiconstrained Distal Radioulnar Joint Arthroplasty and Analysis of Complications.
Reissner L, Böttger K, Klein HJ, Calcagni M, Giesen T.
J Wrist Surg. 2016 Nov;5(4):290-296. doi: 10.1055/s-0036-1583303. Epub 2016 Apr 28.
2016 Nov; 5(4):290-296.
- (26) Evaluation of cutaneous spatial resolution and pressure threshold secondary to digital nerve repair.
Klein HJ*, Fakin RM, Ducommun P, Giesen T, Giovanoli P, Calcagni M
Plast Reconstr Surg. 2016 Apr;137(4):1203-12. doi: 10.1097/PRS.0000000000002023.
- (27) Diagnosis and perioperative management of ruptured AAA mimicking symptomatic groin hernia.

Klein HJ, Becker D, Rancic Z.
Int J Surg Case Rep. 2016;18:1-4. doi: 10.1016/j.ijscr.2015.11.020.

- (28) Extending the Limits of Reconstructive Microsurgery in Elderly Patients
Klein HJ*, Fuchs N, Mehra T, Schweizer R, Giesen T, Calcagni M, Huber G, Giovanoli P, Plock JA.
J Plast Reconstr Aesthet Surg. 2016 Aug;69(8):1017-23. doi: 10.1016/j.bjps.2016.01.020.
- (29) Long-term clinical outcome after epineural coaptation of digital nerves.
Fakin RM, Calcagni M, Klein HJ, Giovanoli P.
J Hand Surg Eur Vol. 2016 Feb;41(2):148-54. doi: 10.1177/1753193415578986. Epub 2015 Mar 31.
- (30) Sensitization and desensitization of burn patients as potential candidates for vascularized composite allotransplantation.
Klein HJ, Schanz U, Hivelin M, Waldner M, Koljonen V, Guggenheim M, Giovanoli P, Gorantla VS, Fehr T, Plock JA.
Burns. 2015 Sep 18. pii: S0305-4179(15)00163-1. doi: 10.1016/j.burns.2015.05.019.
- (31) Pancreatic stone protein predicts postoperative infection in cardiac surgery patients irrespective of cardiopulmonary bypass or surgical technique.
Klein HJ*, Csordas A, Falk V, Slankamenac K, Rudiger A, Schönraht F, Rodriguez Cetina Biefer H, Starck CT, Graf R.
PLoS One. 2015 Mar 20;10(3):e0120276. doi: 10.1371/journal.pone.0120276. eCollection 2015.
- (32) Primary functional and aesthetic restoration of the fingernail in distal fingertip amputations with the eponychial flap.
Fakin RM, Biraima A, Klein H, Giovanoli P, Calcagni M.
J Hand Surg Eur Vol. 2014 Jun;39(5):499-504. doi: 10.1177/1753193413489794.
- (33) Impact of a femoral snare approach as a bailout procedure on success rates in lead extractions.
Starck CT, Caliskan E, Klein H, Steffel J, Falk V.
Interact Cardiovasc Thorac Surg. 2014 May;18(5):551-5. doi: 10.1093/icvts/ivu005.
- (34) Results of transvenous lead extraction of coronary sinus leads in patients with cardiac 4,703 resynchronization therapy.
Starck CT, Caliskan E, Klein H, Steffel J, Schoenraht F, Falk V.
Chin Med J (Engl). 2013;126(24):4703-6.

2. Buchbeiträge

- (1) Klein HJ, Guggenheim M (2020) Komplikationsmanagement: Mikrobiologie, systemische und lokale antimikrobielle Therapie. In: Photographischer Operationsatlas Hauttransplantationen, Ottomann C., Hartmann B. (Hrsg), Springer-Verlag, Berlin.
- (2) Klein HJ, Lorenzo A (2020) Hypopharynx reconstruction with skin and adipofacial free flaps. In: Clinical Scenarios in Reconstructive Microsurgery, Vol. I, Gravvanis A., Kakagia D.D., Ramakrishnan V. (eds.), Springer Nature.
- (3) Lorenzo A, Klein HJ (2020) Total lower lip reconstruction with free flaps and tendon graft. In: Clinical Scenarios in Reconstructive Microsurgery, Vol. I, Gravvanis A., Kakagia D.D., Ramakrishnan V. (eds.), Springer Nature.
- (4) Klein HJ, Rodriguez A, Tzou CJ (2020) Dynamic eye closure. In: Facial Palsy, Vol. I. Tzou C.J., Rodriguez-Lorenzo A. (eds.), Springer Nature.