

Publikationsliste (Stand 9/2016)

Erstautorenschaften:

M. Keck, A. Gugerell, J. Kober, S. Engelhart, A. Gillner, N. Nottrodt. ArtiVasc-3D-Generation of a 3D vascularized skin substitute. DERMATOLOGIE & PLASTISCHE CHIRURGIE

Keck M, Kober J, Riedl O, Kitzinger HB, Wolf S, Stulnig TM, Zeyda M, Gugerell A. Power assisted liposuction to obtain adipose-derived stem cells: impact on viability and differentiation to adipocytes in comparison to manual aspiration. J Plast Reconstr Aesthet Surg. 2014 Jan;67(1):e1-8. doi: 10.1016/j.bjps.2013.08.019. Epub 2013 Sep 3.

Keck M, Selig HF, Kober J, Lumenta DB, Schachner H, Gugerell A, Kamolz LP. First Experiences with a new surgical approach in adult full-thickness burns: Single step reconstruction of epidermal, dermal and subcutaneous defects by use of split-thickness skin grafting, a dermal collagen matrix and autologous fat-transfer. European Surgery 2013: DOI: 10.1007/s10353-013-0211-2

Selig HF*, **Keck M***, Lumenta DB, Kamolz LP, Mittlböck M, Frey M. The use of a polylactide-based copolymer as a temporary skin substitute in deep dermal burns: 1-year follow-up results of a prospective clinical non-inferiority trial. Wound Repair Regen 2013 May;21(3):402-9. doi: 10.1111/wrr.12050. Epub 2013 Apr 29. **(geteilte Erstautorenschaft)**

Keck M, Selig HF, Lumenta DB, Kamolz LP, Mittlböck M, Frey M. The use of Suprathel(®) in deep dermal burns: first results of a prospective study. Burns. 2012 May;38(3):388-95. Epub 2011 Nov 10.

Keck M, Lumenta DB, Kamolz LP. Generation of adipose tissue based in tissue engineering: An overview. In Handbook of Burns – Reconstruction and Rehabilitation. Kamolz LP, Jeschke MG, Horch RE, Küntscher M, Brychta P. (eds.) Springer Verlag Wien New York 2012, 181- 190.

Keck M, Zeyda M, Burjak S, Kamolz L-P, Selig H, Stulnig Th, Frey M. Coenzyme Q10 does not enhance preadipocyte viability in an in vitro lipotransfer model. Aesthetic Plast Surg. 2012 Apr;36(2):453-7. Epub 2011 Oct 1.

Keck M, Haluza D, Selig H, Lumenta D, Kamolz L-P, Frey, M. Adipose tissue engineering: Three different approaches to seed preadipocytes on a collagen-elastin matrix. Ann Plast Surg. 2011 Nov;67(5):484-8.

Keck M, Haluza D, Lumenta DB, Burjak S, Eisenbock B, Kamolz LP, Frey M. Construction of a multi-layer skin substitute: Simultaneous cultivation of keratinocytes and preadipocytes on a dermal template. Burns. 2011 Jun;37(4):626-30. Epub 2010 Sep 23.

Keck M, Kamolz L, Frey M: Tissue Engineering Generation of adipose tissue: an overview of current standards and possibilities. *European Surgery* 2010;42(4):164. DOI: 10.1007/s10353-010-0548-8

Keck M, Zeyda M, Gollinger K, Burjak S, Kamolz LP, Frey M, Stulnig TM. Local anesthetics have a major impact on viability of preadipocytes and their differentiation into adipocytes. *Plast Reconstr Surg.* 2010 Nov;126(5):1500-5.

Keck M, Haluza D, Lumenta D, Kamolz L-P, Frey, M
A Dermal Substitute (Matriderm(R)) Is Serving As A Scaffold for Adipose Tissue Engineering: First Results of An in Vitro Study
Plastic & Reconstructive Surgery. 124(2S):688-689, August 2009.

Keck M, Haluza D, Eisenbock B, Burjak S, Kamolz L-P, Frey M
Cultivation of keratinocytes and preadipocytes on a collagen-elastin scaffold (Matriderm®): First results of an *in-vitro* study
Eur Surg (2009) 41/4: 189–193

Keck M, Lumenta DB, Kamolz LP, Frey M
Burn in the elderly. *Burns* (2009), Dec;35(8):1071-9

Keck M, Janke J, Ueberreiter K.
Viability of Preadipocytes In Vitro: The Influence of Local Anesthetics and pH.
Dermatol Surg. 2009; 35 (8):1251-657

Keck M, Herndon DH, Kamolz LP, Frey M, Jeschke MG
Review article: Pathophysiology of burns
Wien Med Wochenschr (2009) 159/13–14: 327–336

Keck M, Ueberreiter K. Successful correction of an adherent scar on the dorsal hand with Matriderm®. *Handchir Mikrochir Plast Chir.* 2008 Jun;40(3):197-200. Epub 2008 Jun 11.

Keck M, Janke J, Ueberreiter K. Vitalitätsunterschiede von Präadipozyten unter dem Einfluss verschiedener Lokalanästhetika. *HaMiPla* 2007;39:1-5

Keck M, Kaye K, Thieme I, Ueberreiter K. Vertical mammoplasty: postoperative changes, complications and patient evaluation. *Can j Plast Surg* 2007;15(1): 41-43

Letzautorenschaften:

Kober J, Gugerell A, Schmid M, Kamolz LP, **Keck M**.
Generation of a Fibrin Based Three-Layered Skin Substitute.
Biomed Res Int. 2015;2015:170427. doi: 10.1155/2015/170427. Epub 2015 Jul 7.

Gugerell A, Neumann A, Kober J, Tammaro L, Hoch E, Schnabelrauch M, Kamolz L, Kasper C, **Keck M**.
Adipose-derived stem cells cultivated on electrospun l-lactide/glycolide copolymer fleece and gelatin hydrogels under flow conditions - aiming physiological reality in hypodermis tissue engineering.
Burns. 2015 Feb;41(1):163-71. doi: 10.1016/j.burns.2014.06.010. Epub 2014 Nov 4.

Kober J, Gugerell A, Schmid M, Zeyda M, Buchberger E, Nickl S, Hacker S, Ankersmit HJ, **Keck M**.
Wound Healing Effect of Conditioned Media Obtained From Adipose Tissue on Human Skin Cells: A Comparative in Vitro Study.
Ann Plast Surg. 2014 Sep 30. [Epub ahead of print]

Gugerell A, Kober J, Schmid M, Nickl S, Kamolz LP, **Keck M**.
Botulinum toxin A and lidocaine have an impact on adipose-derived stem cells, fibroblasts, and mature adipocytes in vitro.
J Plast Reconstr Aesthet Surg. 2014 Sep;67(9):1276-81. doi: 10.1016/j.bjps.2014.05.029. Epub 2014 May 24.

Gugerell A, Kober J, Laube T, Walter T, Nürnberger S, Grönniger E, Brönneke S, Wyrwa R, Schnabelrauch M, **Keck M**.
Electrospun poly(ester-Urethane)- and poly(ester-Urethane-Urea) fleeces as promising tissue engineering scaffolds for adipose-derived stem cells.
PLoS One. 2014 Mar 4;9(3):e90676. doi: 10.1371/journal.pone.0090676. eCollection 2014.

Co-Autorenschaften:

Paprottka FJ, Krezdorn N, Lohmeyer JA, Young K, Kuhbier J, **Keck M**, Rösler SK, Dohse NK, Hebebrand D.
Plastic reconstructive surgery techniques using VRAM or gracilis flaps in order to successfully treat complex urogenital fistulas.
J Plast Reconstr Aesthet Surg. 2016 Jan;69(1):128-37. doi: 10.1016/j.bjps.2015.08.026. Epub 2015 Sep 3.

Leitner L, Jürets A, Itariu BK, **Keck M**, Prager G, Langer F, Grablowitz V, Zeyda M, Stulnig TM. Osteopontin promotes aromatase expression and estradiol production in human adipocytes. Breast Cancer Res Treat. 2015 Nov;154(1):63-9. doi: 10.1007/s10549-015-3603-0. Epub 2015 Oct 20.

Fochtman A, Forstner C, **Keck M**, Muschitz G, Presterl E, Ihra G, Rath T.
Clinical significance of Candida colonization of central vascular catheters in patients with major burns requiring intensive care. Intensive Care Med. 2015 Apr 9.

Lukas Leitner, Karina Schuch, Alexander Juerets, Bianca K. Itariu, **Maïke Keck**, Oskar Aszmann, Gerhard Prager, Guenther Staffler, Maximilian Zeyda, Thomas M. Stulnig. Matrix metalloprotease cleavage of osteopontin enhances its effects on human adipocyte 2 function which can be blocked with a monoclonal antibody. Accepted in Obesity 12/2014

L.P. Kamolz, D.B. Lumenta, D. Parvizi, M. Wiedner, I. Justich, **M. Keck**, K. Pfurtscheller, M. Schintler¹
Skin graft fixation in severe burns: use of topical negative pressure
Ann Burns Fire Disasters. 2014 Sep 30; 27(3): 141–145.
Published online 2014 Sep 30

L. Tammaro, V. Vittoria, A. Gugerell, J. Kober, **M. Keck**, M. Malin, J. Seppala
Electrospun matrices as surrounding layer for artificial vascularised 3D scaffolds
Journal of tissue engineering and regenerative medicine. 01/2014; 8:461-461.

Alexandra Fochtmann, Christina Forstner, Michael Hagmann, **Maïke Keck**, Gabriela Muschitz, Elisabeth Presterl, Gerald Ihra, Thomas Rath
Predisposing factors for candidemia in patients with major burns
Burns. 01/2014;

Gabriela K. Muschitz, Alexandra Fochtmann, **Maïke Keck**, Gerald C. Ihra, Martina Mittlböck, Susanna Lang, Martin Schindl, Thomas Rath
Non-occlusive mesenteric ischemia: The prevalent cause of gastrointestinal infarction in patients with severe burn injuries
Injury 01/2014

Kamolz LP, **Keck M**, Kasper C.: Wharton's jelly mesenchymal stem cells promote wound healing and tissue regeneration.
Stem Cell Res Ther. 2014 May 2;5(3):62. doi: 10.1186/scrt451.

Fochtmann A, **Keck M**, Rath T, Mittlböck M.
Re: Tissue expansion: Things we should keep in mind.
Burns. 2013 Apr 15. pii: S0305-4179(13)00072-7. doi: 10.1016/j.burns.2013.02.014.
[Epub ahead of print] No abstract available.

Fochtmann A, **Keck M**, Mittlböck M, Rath T.
Tissue expansion for correction of scars due to burn and other causes: A retrospective comparative study of various complications.
Burns. 2012 Dec 28. doi:pii: S0305-4179(12)00352-X. 10.1016/j.burns.2012.10.020. [

Kober J, **Keck M**. Comparison of Three Different Harvesting Methods to Obtain Preadipocytes: Impact on Viability and Differentiation to Adipocytes. Plastic & Reconstructive Surgery. 130(2):482, August 2012.
doi: 10.1097/01.prs.0000418406.49074.d1

Zeyda M, Wernly B, Demyanets S, Kaun C, Hämmerle M, Hantusch B, Schranz M, Neuhofer A, Itariu BK, **Keck M**, Prager G, Wojta J, Stulnig TM.
Severe obesity increases adipose tissue expression of interleukin-33 and its receptor ST2, both predominantly detectable in endothelial cells of human adipose tissue.

Int J Obes (Lond). 2012 Jul 17. doi: 10.1038/ijo.2012.118. [Epub ahead of print]

Kraincuk P, **Keck M**, Lumenta DB, Kamolz LP

Frostbite in: Kamolz L-P

In Handbook of Burns: Burns - Reconstruction and Rehabilitation Kamolz LP, Jeschke MG, Horch RE, Küntscher M, Brychta P. (eds.) Springer Verlag Wien New York 2012, 479-484

Kamolz LP, **Keck M**, Selig H, Lumenta DB. Reconstruction/ Correction of burn alopecia. In Handbook of Burns – Reconstruction and Rehabilitation. Kamolz LP, Jeschke MG, Horch RE, Küntscher M, Brychta P. (eds.) Springer Verlag Wien New York 2012, 245- 249.

Kamolz LP, **Keck M**, Selig H, Lumenta DB

Nasalconstruction. In Handbook of Burns – Reconstruction and Rehabilitation. Kamolz LP, Jeschke MG, Horch RE, Küntscher M, Brychta P. (eds.) Springer Verlag Wien New York 2012, 241- 245.

Lumenta DB, Vierhapper MF, Kamolz LP, **Keck M**, Frey M.

Train surfing and other high voltage trauma: Differences in injury-related mechanisms and operative outcomes after fasciotomy, amputation and soft-tissue coverage. Burns. 2011 Dec;37(8):1427-34. Epub 2011 Aug 17.

Lumenta DB, Kamolz LP, **Keck M**, Frey M.

Comparison of meshed versus MEEK micrografted skin expansion rate: claimed, achieved, and polled results.

Plast Reconstr Surg. 2011 Jul;128(1):40e-1e.

Vierhapper MF, Lumenta DB, Beck H, **Keck M**, Kamolz LP, Frey M.

Electrical injury: a long-term analysis with review of regional differences.

Ann Plast Surg. 2011 Jan;66(1):43-6.

Zeyda M, Gollinger K, Todoric J, Kiefer FW, **Keck M**, Aszmann O, Prager G, Zlabinger GJ, Petzelbauer P, Stulnig TM. Osteopontin is an activator of human adipose tissue macrophages and directly affects adipocyte function

Endocrinology. 2011 Jun;152(6):2219-27. Epub 2011 Apr 5.

Schmidt M, **Keck M**, Pernicka E, Rath Th, Frey M.

Infektionen der oberen Extremität.

Wiener Klinisches Magazin 2010; 1:16-20