

LITERATUR

Ausgabe: Oralchirurgie Journal 3/2017

Thema: Neuartige biokompatible Materialien in der Implantologie

Autor: Univ.-Prof. Dr. Dr. Ralf Smeets

1. Dal Pra, I., G. Freddi, J. Minic, A. Chiarini and U. Armato (2005). "De novo engineering of reticular connective tissue in vivo by silk fibroin nonwoven materials." *Biomaterials* 26(14): 1987-1999.
2. Meinel, L., S. Hofmann, V. Karageorgiou, C. Kirker-Head, J. McCool, G. Gronowicz, L. Zichner, R. Langer, G. Vunjak-Novakovic and D. L. Kaplan (2005). "The inflammatory responses to silk films in vitro and in vivo." *Biomaterials* 26(2): 147-155.
3. Unger, R. E., M. Wolf, K. Peters, A. Motta, C. Migliaresi and C. James Kirkpatrick (2004). "Growth of human cells on a non-woven silk fibroin net: a potential for use in tissue engineering." *Biomaterials* 25(6): 1069-1075.
4. Altman, G. H., F. Diaz, C. Jakuba, T. Calabro, R. L. Horan, J. Chen, H. Lu, J. Richmond and D. L. Kaplan (2003). "Silk-based biomaterials." *Biomaterials* 24(3): 401-416.
5. Guan, G., L. Bai, B. Zuo, M. Li, Z. Wu, Y. Li and L. Wang (2010). "Promoted dermis healing from full-thickness skin defect by porous silk fibroin scaffolds (PSFSs)." *Biomed Mater Eng* 20(5): 295-308.
6. Altmann, B., T. Steinberg, S. Giselbrecht, E. Gottwald, P. Tomakidi, M. Bachle-Haas and R. J. Kohal (2011). "Promotion of osteoblast differentiation in 3D biomaterial micro-chip arrays comprising fibronectin-coated poly(methyl methacrylate) polycarbonate." *Biomaterials* 32(34): 8947-8956.
7. Mauney, J. R., T. Nguyen, K. Gillen, C. Kirker-Head, J. M. Gimble and D. L. Kaplan (2007). "Engineering adipose-like tissue in vitro and in vivo utilizing human bone marrow and adipose-derived mesenchymal stem cells with silk fibroin 3D scaffolds." *Biomaterials* 28(35): 5280-5290.
8. Wang, G., H. Yang, M. Li, S. Lu, X. Chen and X. Cai (2010). "The use of silk fibroin/hydroxyapatite composite co-cultured with rabbit bone-marrow stromal cells in the healing of a segmental bone defect." *J Bone Joint Surg Br* 92(2): 320-325.
9. Wang, Y., D. J. Blasioli, H. J. Kim, H. S. Kim and D. L. Kaplan (2006). "Cartilage tissue engineering with silk scaffolds and human articular chondrocytes." *Biomaterials* 27(25): 4434-4442.

10. Liu, C. X., Y. Y. Lin, H. L. Li and S. B. Zheng (2007). "[Application of silk fibroin film for repairing rabbit urethral defect]." *Nan Fang Yi Ke Da Xue Xue Bao* 27(2): 184-187.
11. Ni, Y., X. Zhao, L. Zhou, Z. Shao, W. Yan, X. Chen, Z. Cao, Z. Xue and J. J. Jiang (2008). "Radiologic and histologic characterization of silk fibroin as scaffold coating for rabbit tracheal defect repair." *Otolaryngol Head Neck Surg* 139(2): 256-261.
12. Minoura, N., S. Aiba, M. Higuchi, Y. Gotoh, M. Tsukada and Y. Imai (1995). "Attachment and growth of fibroblast cells on silk fibroin." *Biochem Biophys Res Commun* 208(2): 511-516.
13. Sugihara, A., K. Sugiura, H. Morita, T. Ninagawa, K. Tubouchi, R. Tobe, M. Izumiya, T. Horio, N. G. Abraham and S. Ikehara (2000). "Promotive effects of a silk film on epidermal recovery from full-thickness skin wounds." *Proc Soc Exp Biol Med* 225(1): 58-64.
14. Smeets, R., O. Vorwig, M. Woltje, R. Gaudin, A. M. Luebke, B. Beck-Broichsitter, M. Rheinnecker, M. Heiland, K. Grupp, A. Grobe and H. Hanken (2016). "Microvascular stent anastomosis using N-fibroin stents: feasibility, ischemia time, and complications." *Oral Surg Oral Med Oral Pathol Oral Radiol* 121(5): e97-e103.
15. Hanken, H., F. Gohler, R. Smeets, M. Heiland, A. Grobe, R. E. Friedrich, P. Busch, M. Blessmann, L. Kluwe and P. Hartjen (2016). "Attachment, Viability and Adipodifferentiation of Pre-adipose Cells on Silk Scaffolds with and Without Co-expressed FGF-2 and VEGF." *In Vivo* 30(5): 567-572.
16. Diaz, J. H. and F. A. Lopez (2015). "Skin, soft tissue and systemic bacterial infections following aquatic injuries and exposures." *Am J Med Sci* 349(3): 269-275.
17. Winter, G. D. (2006). "Some factors affecting skin and wound healing." *J Tissue Viability* 16(2): 20-23.
18. Korol, E., K. Johnston, N. Waser, F. Sifakis, H. S. Jafri, M. Lo and M. H. Kyaw (2013). "A systematic review of risk factors associated with surgical site infections among surgical patients." *PLoS One* 8(12): e83743.
19. Wang, Z., R. Hasan, B. Firwana, T. Elraiyah, A. Tsapas, L. Prokop, J. L. Mills, Sr. and M. H. Murad (2016). "A systematic review and meta-analysis of tests to predict wound healing in diabetic foot." *J Vasc Surg* 63(2 Suppl): 29S-36S e22.
20. Smeets, R., D. Ulrich, F. Unglaub, M. Woltje and N. Pallua (2008). "Effect of oxidised regenerated cellulose/collagen matrix on proteases in wound exudate of patients with chronic venous ulceration." *Int Wound J* 5(2): 195-203.
21. Woltje, M., M. Bobel, M. Rheinnecker, G. Tettamanti, E. Franzetti, A. Saviane and S. Cappellozza (2014). "Transgenic protein production in silkworm silk glands requires cathepsin and chitinase of *Autographa californica* multicapsid nucleopolyhedrovirus." *Appl Microbiol Biotechnol* 98(10): 4571-4580.

22. Smeets, R., A. El-Moawen, O. Jung, H. Hanken, P. Hartjen, M. Heiland, K. Kansy, F. Kloss and A. Kolk (2014a). "From bench to application: current practices in tissue engineering and its realisation at maxillofacial units in Germany, Austria and Switzerland." *J Craniomaxillofac Surg* 42(7): 1128-1132.
23. Smeets, R., H. Hanken, O. Jung, D. Rothamel, J. Handschel, A. Al-Dam, M. Blessmann, M. Heiland and A. Kolk (2014b). "Knochenersatzmaterialien-Aktueller Stand und ein Ausblick in die Zukunft." *Der MKG-Chirurg* 7: 53-67.
24. Smeets, R., A. Henningsen, O. Jung, M. Heiland, C. Hammacher and J. M. Stein (2014c). "Definition, etiology, prevention and treatment of peri-implantitis--a review." *Head Face Med* 10: 34.
25. Smeets, R., O. Jung, H. Hanken, P. Hartjen, A. Al Dam, A. Gröbe, M. Heiland, M. Gosau, D. Rothamel, M. Schlee, G. Iglhaut and A. Kolk (2014d). "Was können regenerative Materialien in der Zahnmedizin leisten - und wo sind die Grenzen." *Deutsche Zahnärztliche Zeitschrift* 69: 708-721.
26. Smeets, R., H. Hanken, O. Jung and M. Heiland (2015a). *Future Perspectives of Bisphosphonates in Maxillofacial, Dental, and Medical Practice. Medication-Related Osteonecrosis of the Jaws*. Berlin Heidelberg, Springer: 207-215.
27. Godoy, A., M. Ishii, P. J. Byrne, K. D. Boahene, C. O. Encarnacion and L. E. Ishii (2011). "How facial lesions impact attractiveness and perception: differential effects of size and location." *Laryngoscope* 121(12): 2542-2547.
28. Weckbach, S., J. T. Losacco, J. Hahnhaussen, F. Gebhard and P. F. Stahel (2012). "Das Dogma der Minderwertigkeit von Stahlimplantaten zur Frakturversorgung." *Der Unfallchirurg* 115: 75-79.
29. Kolk, A., J. Handschel, W. Drescher, D. Rothamel, F. Kloss, M. Blessmann, M. Heiland, K.-D. Wolff and R. Smeets (2012). "Current trends and future perspectives of bone substitute materials – From space holders to innovative biomaterials." *Journal of cranio-maxillo-facial surgery : official publication of the European Association for Cranio-Maxillo-Facial Surgery* 40(8): 706–718.
30. Farraro, K. F., K. E. Kim, S. L. Woo, J. R. Flowers and M. B. McCullough (2014). "Revolutionizing orthopaedic biomaterials: The potential of biodegradable and bioresorbable magnesium-based materials for functional tissue engineering." *J Biomech* 47(9): 1979-1986.
31. Fischer, J., M. H. Prosenc, M. Wolff, N. Hort, R. Willumeit and F. Feyerabend (2010). "Interference of magnesium corrosion with tetrazolium-based cytotoxicity assays." *Acta Biomater* 6(5): 1813-1823.
32. Smeets, R., O. Jung, H. Hanken, A. Gröbe, M. Heiland, D. Rothamel, D. Grubeanu, G. Iglhaut, A. Kolk and A. Kasaj (2015b). "Regenerative Verfahren in der Zahnmedizin – was ist heute möglich?" *Deutsche Zahnärztliche Zeitschrift* In Press.

33. Jung, O., R. Smeets, A. Kopp, D. Porchetta, P. Hiester, M. Heiland, R. E. Friedrich, C. Precht, H. Hanken, A. Grobe and P. Hartjen (2016). "PEO-generated Surfaces Support Attachment and Growth of Cells In Vitro with No Additional Benefit for Micro-roughness in Sa (0.2-4 μm)." *In Vivo* 30(1): 27-33.