

Innovative Beschichtungstechnologie **Erste Erfolge mit Magnesium**

Ralf Smeets

Literatur

- 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.
- Fischer, J., M. H. Prosenč, 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.

- 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.
- 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.
- 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.