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Inflammatory pathways in jawbone by hyperactivated RANTES/CCL5 as a general health threat

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We examined 128 samples of fatty degenerative and osteolytic jawbone (FDOJ) for 7 cytokines by multiplex analysis. All samples showed RANTES/CCL5 (R/C) as the only extremely overexpressed cytokine with a mean 30 fold overexpression compared to healthy controls. As R/C is discussed in literature as a possible contribution to inflammatory diseases and might have oncogenic effects, we hypothesize that FDOJ in areas of improper and incomplete wound healing in jawbone might act as hyperactivated signaling pathways. Surgical clearing of FDOJ might diminish R/C signaling pathways and contribute to resolving chronic immunological diseases. The connection to clinical praxis is to promote R/C free wound healing in jawbone after dental surgery and to prevent the wound going from acute infection back to silent inflammation“ and R/C overexpression.

Biography

Johann Lechner is the Head of Clinic for Integrative Dentistry, Munich since 1980. He was trained at Dental University Munich, Germany. He is a Member of the Executive Board of DAH (German Association for Research on Disturbance Fields and Regulation) and of GZM (International Society for Holistic Dentistry). He has published seven papers in indexed journals which are used by thousands of dental and medical professionals worldwide and nine books in German language on Holistic Dentistry and Integrative Medicine.

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