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Advantages of CBCT diagnostics in oral pathology, 3D planning in implantology and prosthetics: An overview

Nothing has captured the dental profession's imagination in the past few years like the introduction of cone beam volumetric imaging, which is now referred to by most clinicians and even in the literature as Cone Beam Computed Tomography (CBCT). Sometimes reliable diagnostics in oral pathology is crucial, especially under difficult circumstances or in complex cases to see more anatomical details to know more. CBCT scans allow the dentist to prepare for complicated procedures and make them as fast, efficient and atraumatic as possible. This lecture will be convincing the participants that modern diagnostics, based on CBCT scans, provides effective tools which help to dispel doubts and plan safe treatment without exposing patients to high doses of radiation. X-ray images are invaluable support in dentist's everyday work. 2D and 3D scans which are acquired and analyzed correctly allow us to diagnose the patient quickly and confidently and propose them a safe treatment plan. CBCT offers even broader range of possibilities. It will present a full spectrum of possibilities of integrating CBCT imaging in dentist's daily practice.

Biography

Frank Liebaug has over 20 years' experience in guiding tissue regeneration, bone grafting and augmentation procedures (GBR, GTR), regenerative periodontal treatment. Presently, he is working as a Professor at School of Stomatology, Shandong University, Department of Implantology, Jinan, China. He has numerous publications in the field of implantology, periodontics, CBCT (3D radiography) and laser dentistry as well as regenerative procedures (GBR and GTR). He is the Founder and Scientific Director of the Ellen Institute for Dental Research and Education in Steinbach-Hallenberg, Germany (2013) and Founder of Ellen-Ceramic Implant Competence Center (2016). He was also the Member of the Scientific Council of the Medical Academy of Erfurt, Germany (1988-1991) and Department of Oral and Maxillofacial Surgery at the Medical Academy, Erfurt (1990-1992).

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