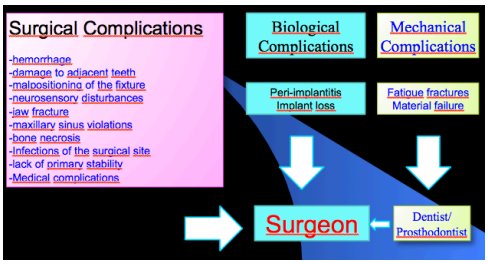
Etiology and Clinical Management of Complications related to implant procedures

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Abstract

Although a high predictability and long-term success rate of dental implants is well documented in the literature, complications and failures do occur on a regular basis. The demand for implant therapy has fueled growth of the industry. Now many clinicians offer implants as a solution to partial and complete edentulism. The procedures are no longer limited to specialists. Problems with implants have been rising as more clinicians who do not have advanced training and skills are involved in implant placement and implant-related restorations. Some complications may be relatively minor and easy to correct, while others will be major and result in the loss of the implant, permanent damage of adjacent anatomical structures, such as trauma to the mental and inferior alveolar nerve, mandibular fractures, massive hemorrhage or can even be life-threatening, such as deep fascial abcesses, descending mediastinitis or cavernus sinus thrombosis. Considering the number of implants placed or projected to be placed in the United States alone, it would mean more than one million implants will require therapy for implant and bone graft related complication
This lecture is based on numerous clinical examples and cases as a well as a literature review and gives an overview about implant failures, typical intra- and postoperative complications with even severe adverse outcomes causing medical emergencies related to implant and bone graft procedures with potentially life-threatening complication that require intubation or emergency tracheostomy.

Figure 1: Implant related complications





Biography

Thomas G. Wiedemann, MD, PhD, DDS is Full-time Faculty and Assistant Director for Advanced Programs in Oral Surgery / RCSI at New York University, College of Dentistry, Department of Oral & Maxillofacial Surgery.
Dr. Wiedemann´s career consists of more than 25 years of surgical and educational experience in an academic setting and successfully operating a private practice providing the full spectrum of Oral & Maxillofacial Surgery and Implant Dentistry. He has special interests in peri- implantitis and complications management and minimal invasive surgical techniques of the full scope of implantiology. He has acquired extensive expertise in implant surgery with multiple systems since 1995. He is well versed in innovative concepts of alveolar ridge augmentation, bone and tissue regeneration, CBCT guided- and piezo-surgery. He is a Fellow of the European Board of Oral & Maxillofacial Surgery (EBOMFS) and has Diplomate status in the International congress of oral implantologists (ICOI).

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