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Nota di contenuto	Cover; Contents; Foreword; Preface; Contributing Authors; Introduction; 1: Implant Dentistry: A Technology Assessment; HOW MANY IMPLANT SYSTEMS DO WE HAVE AND ARE THEY DOCUMENTED?; WHAT HAVE WE LEARNED FROM RANDOMIZED CONTROLLED CLINICAL TRIALS ON ORAL IMPLANTS?; SYSTEMATIC REVIEWS OF SURVIVAL AND COMPLICATION RATES OF IMPLANT-SUPPORTED FIXED DENTAL PROSTHESES AND SINGLE CROWNS; 2: Comprehensive Treatment Planning for Complete Arch Restorations; TREATMENT OF THE EDENTULOUS MAXILLA AND MANDIBLE WITH IMPLANT-RETAINED OVERDENTURES KEY IMPLANT POSITIONS AND IMPLANT NUMBER: A BIOMECHANICAL RATIONALE TREATMENT ALTERNATIVES FOR THE TERMINAL DENTITION PATIENT; 3: Comprehensive Treatment Planning for the Patient with Complex Treatment Needs; THE CHALLENGING PATIENT WITH FACIAL DEFORMITIES, RARE DISORDERS, OR OLD AGE; 4: Comprehensive Treatment Planning for the Patient with Oral or Systemic Inflammation; THE EFFICACY OF OSSEOINTEGRATED DENTAL IMPLANTS FOR PERIODONTALLY COMPROMISED PATIENTS; PROFILES AND TREATMENT OPTIONS FOR REFRACTORY PATIENTS IN A PERIODONTAL PRACTICE SYSTEMIC IMPLICATIONS OF PERI-IMPLANT INFLAMMATION: MIMICRY

OF THE PERIODONTITISSYSTEMIC DISEASE MODEL?5: Surgery Phase Planning; ADVANCES IN DIAGNOSIS AND TREATMENT PLANNING UTILIZING CT SCAN TECHNOLOGY FOR IMPROVING SURGICAL AND RESTORATIVE IMPLANT RECONSTRUCTION: TOOLS OF EMPOWERMENT; IMMEDIATE IMPLANTS IN INFECTED SITES: CONTRAINDICATIONS RECONSIDERED; IMAGE-BASED IMPLANT THERAPY: CURRENT STATUS AND FUTURE PERSPECTIVES; 6: Pre-implant Surgical Interventions; HORIZONTAL AND VERTICAL BONE REGENERATION IN THE MAXILLA AND MANDIBLE PRE-IMPLANT SURGICAL INTERVENTIONS TISSUEENGINEERING SOLUTIONSGUIDED BONE REGENERATION WITH OR WITHOUT BONE GRAFTS: FROM EXPERIMENTAL STUDIES TO CLINICAL APPLICATION; 7: Pre-implant Surgical Augmentation Interventions; HARD-TISSUE AUGMENTATION TO OSSEOINTEGRATE IMPLANTS; ONLAY AND INLAY GRAFTING IN IMPLANT REHABILITATION: CLINICAL ASPECTS; IS AUTOGENOUS BONE STILL THE "GOLD STANDARD" FOR GRAFTING? CURRENT OPINION ON THE USE OF AUTOGRAFT IN IMPLANT DENTISTRY; 8: Pre-implant Surgical Interventions with Focus on the Maxilla; EVOLUTION OF THE SINUS AUGMENTATION PROCEDURE:1982, 2008, AND BEYOND BONE AUGMENTATION IN THE SEVERELY RESORBED MAXILLA9: Biomaterials and Substances for Site Optimizing; ALVEOLAR AUGMENTATION: PAST, PRESENT, AND FUTURE; 10: Implant Surgery Interventions; THREE-DIMENSIONAL REVERSE TISSUE ENGINEERING FOR OPTIMAL DENTAL IMPLANT RECONSTRUCTION; 11: The Implant and Biological Response; THE HEALING BONE-IMPLANT INTERFACE: ROLE OF MICROMOTION AND RELATED STRAIN LEVELS IN TISSUE; 12: The Implant Surface and Biological Response; THE CHANGING INTERFACE; 13: The Implant Design and Biological Response INFLUENCES OF IMPLANT DESIGN AND SURFACE PROPERTIES ON OSSEOINTEGRATION AND IMPLANT STABILITY

#### Sommario/riassunto

Osseointegration and Dental Implants offers a comprehensive guide to the state of the art of implant dentistry. Based around the proceedings of the Toronto Osseointegration Conference Revisited, it gathers together information on all aspects of implant dentistry and osseointegration, from basic scientific background, such as the biology of osseointegration and the biomechanics of implant surface design, to clinical relevance, such as treatment planning, loading protocols, and patient rehabilitation. This unique book shows implant dentistry as it is today, in all its diverse clinical app