Record Nr. UNINA9911007118303321 Autore Drakul Dejan Titolo Clinical Efficiency of Materials and Technologies for Fixed **Prosthodontics** Pubbl/distr/stampa Zurich:,: Trans Tech Publications, Limited,, 2021 ©2021 **ISBN** 9781523146413 1523146419 9783035736267 303573626X Edizione [1st ed.] Descrizione fisica 1 online resource (209 pages) Collana Foundations of Materials Science and Engineering;; v. Volume 99 Disciplina 617.69 Soggetti **Prosthodontics Dental materials** Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto Intro -- Clinical Efficiency of Materials and Technologies for Fixed Prosthodontics -- Table of Contents -- Clinical Efficiency of Materials and Technologies for Fixed Prosthodontics -- Cast Root Posts and Fiber-Reinforced Posts -- Dental Casting Alloys -- Cementation of the Cast Metal Post -- Impression Taking Materials -- Provisional (Temporary) Fixed Dentures -- Fiber-Reinforced Polymer Post and Core Systems -- Principles of Tooth Preparation for Fixed Dentures --Metal-Ceramic Technology -- All-Ceramic Systems -- Lost Wax Heat-Press Monolithic Lithium-Disilicate Restoration Manufacturing --Zirconia Ceramic Systems -- Endocrowns -- Veneers -- Dental Bridges -- Conclusion -- References -- Keyword Index. Sommario/riassunto This book by Dr. Dejan Drakul comprehensively explores the materials and technologies utilized in fixed prosthodontics. It discusses various topics including cast root posts, dental casting alloys, cementation techniques, impression materials, and temporary fixed dentures. Additionally, the book provides insights into advanced systems such as

metal-ceramic technologies, zirconia ceramic systems, and all-ceramic

systems. The author delves into principles of tooth preparation,

veneers, dental bridges, endocrowns, and manufacturing processes like lost wax heat-press monolithic restoration. The work is intended for dental practitioners, researchers, and students, aiming to enhance understanding and clinical efficiency in fixed prosthodontics applications. It serves as a technical guide for the development and implementation of durable fixed dental appliances.