Record Nr. UNINA9910640386203321 Bulk fill resin composites in dentistry: a clinical guide / / edited by **Titolo** Joseph Sabbagh and Robert McConnell Pubbl/distr/stampa Cham, Switzerland:,: Springer,, [2023] ©2023 **ISBN** 3-031-16388-5 Edizione [1st ed. 2023.] Descrizione fisica 1 online resource (176 pages) 620 Disciplina Fillings (Dentistry) Soggetti Composite materials Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto 1. General Introduction -- 2. What are bulk fill (BF) composites and how do they differ from non-BF composites? -- 3. Bulk Fill Composites: Adhesion and Interfacial Adaptation -- 4. What happens when I irradiate a BFC? -- 5. How do I select and deploy Light Curing Units for BFC? -- 6. Physical and Mechanical Properties of BFC's -- 7. Short Fibre Based Filling Composites -- 8. Guidelines for achieving aesthetic posterior restorations using BFCs -- 9. Clinical challenges and longevity of bulk-fill materials -- 10. Bulk Fill Resin Composites: Recent Advents and Future Perspectives. This book is dedicated to all relevant aspects of bulk fill materials and Sommario/riassunto their uses in clinical practice. Today, we count over 30 different bulk fill materials, which can be used in the dental clinic. The composition of bulk fill materials and their different modes of application for moderate to large direct resin restorations placement are explained in this book. It is written by a group of international specialists and allows the reader to evaluate available materials, learn predictable techniques and evaluate long term survival as well as future developments. The book covers all fields related to the history of bulk fill composites, their composition and physical properties, and a step by step guide to their successful clinical applications. Practitioners will find it invaluable as a clinical manual and a good reference book.