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Titolo	Guided endodontics / / Niraj Kinariwala, Lakshman Samaranayake, editors
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Descrizione fisica	1 online resource (XI, 215 p. 182 illus., 168 illus. in color.)
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Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction to 3D Guided Approach and Concept of Minimal Invasive Endodontics -- CBCT in Endodontics -- 3D Printing in Endodontics -- Digital Impression Systems in Dentistry -- Static 3D Guided Approach for Calcified Canal -- Dynamic 3D Guided approach -- 3D Guided Approach in Surgical Endodontics -- Future trends of 3D guidance in Dentistry.
Sommario/riassunto	This superbly illustrated book provides a comprehensive overview of guided endodontics, a technology-driven treatment approach that represents a paradigm shift in endodontic therapy and offers predictable solutions in cases of partial or complete root canal calcification and root end surgeries. Guided endodontics has proved to be a safe, clinically feasible method for the location of root canals and prevention of root perforations. Preoperative CBCT scans are aligned with intraoral 3D scans using special software, allowing virtual planning of the root canal access cavity. Subsequently, a 3D template can be produced to guide the drill into the calcified canal. This virtual planning helps to preserve the tooth structure and avoid procedural errors. All of these aspects are fully covered in the book, with detailed step-by-step instruction on the use of static guides and dynamic navigation systems in non-surgical treatments. The role of static and dynamic guidance in

	surgical endodontics is also explained, and a concluding chapter addresses future trends in 3D guidance in endodontics and other fields of dentistry.

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