Computational Techniques for Dental Image Analysis

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Description:
With the technology innovations dentistry has witnessed in all its branches over the past three decades, the need for more precise diagnostic tools and advanced imaging methods has become mandatory across the industry. Recent advancements to imaging systems are playing an important role in efficient diagnoses, treatments, and surgeries.

Computational Techniques for Dental Image Analysis provides innovative insights into computerized methods for automated analysis. The research presented within this publication explores pattern recognition, oral pathologies, and diagnostic processing. It is designed for dentists, professionals, medical educators, medical imaging technicians, researchers, oral surgeons, and students, and covers topics centered on easier assessment of complex cranio-facial tissues and the accurate diagnosis of various lesions at early stages.


Topics Covered:

- Automated Analysis
- Diagnostic Processing
- Diagnostic Tools
- Digital Dental Imaging
- Expert Systems
- Image Classification
- Image Segmentation
- Imaging Systems
- Oral Pathologies
- Pattern Recognition

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