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## Book information

**Editor:** Yoshie, Hiromasa  
**Title:** At the Forefront  
**Subtitle:** Illustrated Topics in Dental Research and Clinical Practice  
**Short text:**

This volume brings together articles on the topics of bioscience and clinical science, punctuated with striking illustrations, that have been recently published in the Japanese journal *The Quintessence*.

The first half of the book addresses important oral and systemic health topics such as diagnosis of periodontal disease using blood and saliva testing; periodontal tissue, salivary gland, and tooth regeneration; tissue-engineered bone; correlation of periodontal disease with cardiovascular disease, preterm low birth weight, and diabetes; and genetic diagnosis of drug-induced gingival overgrowth.

In the second half, the focus is on clinical issues, including dentinal remineralization and hypersensitivity; effect of whitening procedures on tooth structure; discriminate removal of carious dentin using a caries detector; nerve injury due to tooth extraction or implant placement; morphologic changes to the mandibular canal and maxillary sinus following tooth loss; and identification of vessels and nerves in the maxillary tuberosity for implant placement.

A visually stunning and instructively enlightening compilation of reports on the cutting edge of dental scientific and clinical research.

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