

CONTENTS



page 415

COMMENTARY

- 396 **Editorial:** Utilization and Access: Different Concepts for Different Interests?
M. Glick
The JADA Editor explores the relationship between health care access and utilization in different health care populations.

LETTERS

- 399 JADA readers explore torture, overanxious patients, severe wear on anterior and posterior teeth, atraumatic restorative treatment and computer-based patient record systems.

NEWS

- 407 **Gene Expression:** A common gene regulatory circuit controls the development of all dentitions, from the first teeth in the throats of jawless fish that lived one-half billion years ago to the incisors and molars of modern vertebrates, according to an article published online Feb. 10 in PLoS Biology.



COVER STORY

- 415 **Dental Sealants:** Caries Risk in Formerly Sealed Teeth
S.O. Griffin, S. Kolavic Gray, D.M. Malvitz, B.F. Gooch
Dr. Griffin and colleagues determine if the risk of developing caries in a formerly sealed tooth with fully or partially lost sealant exceeds the risk in a never-sealed tooth.



CLINICAL PRACTICE

- 425 **Restorations:** Sealing, Refurbishment and Repair of Class I and Class II Defective Restorations: A Three-Year Clinical Trial
G. Moncada, J. Martin, E. Fernández, M.C. Hempel, I.A. Mjör, V.V. Gordan
The authors conduct a study to examine the effectiveness of treatments other than replacement for Class I and Class II defective resin-based composite and amalgam restorations.
- 434 **Periodontology:** Radiographic Characteristics of Furcation Involvements in Mandibular Molars as Prognostic Indicators of Healing After Nonsurgical Periodontal Therapy
H.F. Do Vale, É. Del Peloso Ribeiro, S. Bittencourt, F.H. Nociti Jr, E.A. Sallum, M.Z. Casati
The authors conduct a study to evaluate the radiographic characteristics of Class II mandibular furcation involvements as prognostic indicators of healing after nonsurgical periodontal therapy.
- 442 **Master Clinician:** Clinical Considerations in Managing Severe Tooth Discoloration With Porcelain Veneers
F.C.S. Chu
Dr. Chu presents a case in which a healthy 20-year-old university student requested esthetic dental treatment because she had severe tooth discoloration, enamel hypoplasia and malocclusion.



RESEARCH

- 447 **Resin-Based Composites:** Clinical Evaluation of Two Packable Posterior Composites: A Five-Year Follow-up
T.C. Fagundes, T.J.E. Barata, C.A.R. Carvalho, E.B. Franco, J.W.V. van Dijken, M.F.L. Navarro
Dr. Fagundes and colleagues evaluate the five-year clinical performance of two packable composites.



455 Erosion: The Effect of Casein Phosphopeptide-Amorphous Calcium Phosphate and a Cola Soft Drink on In Vitro Enamel Hardness
M. Panich, S. Poolthong
 The authors evaluate the remineralization effect of casein phosphopeptide-amorphous calcium phosphate compared with that of artificial saliva.

461 Oral Cancer: Oral Cancer Knowledge, Attitudes and Practices: A Survey of Dentists and Primary Care Physicians in Massachusetts
E. Applebaum, T.N. Ruhlen, F.R. Kronenberg, C. Hayes, E.S. Peters
 The authors conduct a survey to assess the knowledge, attitudes and practices regarding oropharyngeal carcinoma prevention and early detection among dentists and primary care physicians in Massachusetts.



page 442

468 Critical Summaries: History of Treated Periodontitis May Signal a Greater Likelihood of Implant Problems
A. Pinto, M.P. Rethman, J.F. Hagenbruch
 Dr. Pinto and colleagues examine the premise that subjects with a history of treated periodontitis are more likely to experience implant loss or other implant-related complications than are subjects without a history of treated periodontitis.

TRENDS

470 Brief Report: Respect for Patients' Autonomy
K.I. Reid
 The author addresses the importance of patients' autonomy in dentistry.

PERSPECTIVES

475 Observations: Improving Dentist-Technician Interaction and Communication
G.J. Christensen
 Dr. Christensen suggests several easily implemented policies that can improve dentist-laboratory interaction and communication, as well as the quality of oral services.

479 A Better Practice: Why Training Matters More Than Ever
R.P. Levin
 Dr. Levin provides five steps that will help dentists develop strong training programs for their teams.

481 Ethical Moment: What Are the Ethical Considerations Surrounding a Minor's Request for Confidentiality?
P.J. Foy
 Dr. Foy addresses the ethical implications of honoring a minor's request for confidentiality.

CONTINUING EDUCATION

483 JADA's continuing education program highlights the risk of developing caries in a formerly sealed tooth with fully or partially lost sealant compared with the risk in a never-sealed tooth, the effectiveness of treatments other than replacement for Class I and Class II defective resin-based composite and amalgam restorations, the five-year clinical performance of two packable composites, and the remineralization effect of casein phosphopeptide-amorphous calcium phosphate compared with that of artificial saliva.

488 PRODUCT NEWS

490 CLASSIFIED ADVERTISING

500 INDEX TO ADVERTISERS