CONTENTS



page 22

COMMENTARY

10 Guest Editorial: Emerging and Re-Emerging Infectious Diseases:
Be Prepared
W.G. Kohn

Dr. Kohn stresses the need for oral health care professionals to follow standard precautions to help prevent the spread of emerging and re-emerging infectious diseases.

LETTERS

14 JADA readers explore enamel fluorosis, anterior tooth replacement and barotrauma.

NEWS

17 **Caries Protection:** Tooth-binding particles may provide long-term caries protection by adhering to tooth surfaces and gradually releasing encapsulated antimicrobial agents, according to an article in the November issue of Antimicrobial Agents and Chemotherapy.



COVER STORY

Psychological Functioning: Psychological Correlates of Medical Comorbidities in Patients With Temporomandibular Disorders J.L. Burris, D.R. Evans, C.R. Carlson
The authors examine the relationship between medical comorbidities in patients with temporomandibular disorders and their psychological functioning.



LINICAL PRACTICE

- Alginate Impression Materials: Accuracy and Dimensional Stability of Extended-Pour and Conventional Alginate Impression Materials *T.A. Imbery, J. Nehring, C. Janus, P.C. Moon*The authors conduct a study to determine whether two irreversible hydrocolloid impressions stored for five days were dimensionally accurate.
- **40 Visual Fixation:** Eye Fixations When Viewing Faces *L. Hickman, A.R. Firestone, F. Michael Beck, S. Speer* In this study, the authors determine the location, order and duration of viewers' visual fixations on facial features in images of people whose jaw relationships were in the normal range.
- **47 Diagnostic Challenge:** Oral Ulcerations in a Patient With Severe Asthma *S.S. DeRossi, K.N. Ciarrocca, F. Alawi* Dr. DeRossi and colleagues ask readers to diagnose a case of oral ulcerations in a woman with severe asthma.

RESEARCH

Chairside Screening: Dentists' Attitudes Toward Chairside Screening for Medical Conditions

B. Greenberg, M. Glick, J. Frantsve-Hawley, M. Kantor

Dr. Greenberg and colleagues assess dentists' attitudes, willingness and perceived barriers regarding chairside medical screening in the dental office.



63 Air-Polishing Devices: The Effect of Air-Polishing Abrasives on Wear of Direct Restoration Materials and Sealants M.A. Pelka, K. Altmaier, A. Petschelt, U. Lohbauer The authors evaluate the influence of different air abrasives on the surface damage and substance loss experienced by dental restorative materials generally used in the cervical region or as pit-and-fissure sealants.

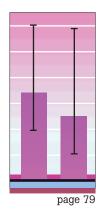


Tooth-Shade Matching: Evaluating Factors That Affect the Shade-Matching Ability of Dentists, Dental Staff Members and Laypeople

N. Çapa, Ö. Malkondu, E. Kazazoğlu, S. Çalıkkocaoğlu Dr. Capa and colleagues evaluate the influence of several dental occupational groups, professional experience, age, sex, eye color and refractive error status on tooth shade-matching ability.

Critical Summaries: Evidence Indicates Minimal Short-Term Space Loss After Premature Loss of Primary First Molars J. DaBell, G.J. Huang

Drs. DaBell and Huang provide a critical summary of a systematic review article in which researchers evaluate dental arch spaces after premature loss of primary first molars.



TRENDS

Special Needs: Dental Care Needs, Use and Expenditures Among U.S. Children With and Without Special Health Care Needs H. Iida, C. Lewis, C. Zhou, L. Novak, D. Grembowski The authors evaluate the effect of special health care needs on unmet dental care needs, type of dental care received and average dental care expenditures.

JOURNALSCAN

M.L. Barnett

Current Literature: This feature offers summaries of selected relevant studies in the current dental and medical literature.

PERSPECTIVES

Clinical Dilemmas: Too Much Tooth, Not Enough Tooth: Making Decisions About Anterior Tooth Position

F. Spear

Dr. Spear reviews the elements that dentists use to determine the correct position of the incisal edge of the maxillary central incisor to achieve restorative and esthetic success.

97 A Better Practice: Managing Staff Conflict

Dr. Levin suggests ways in which dentists can manage conflict among dental team members.

99 Ethical Moment: Is It Ethical to Claim Full Credit for an On-Site Continuing Education Course That the Presenter Shortens Significantly? M.S. Lantz, K.G. Palcanis

Drs. Lantz and Palcanis explore the ethical issues involved in claiming full credit for a shortened on-site continuing education course.

CONTINUING EDUCATION

- JADA's continuing education program highlights psychological correlates of medical comorbidities in patients with temporomandibular disorders, the accuracy and dimensional stability of alginate impression materials, the effect of air-polishing abrasives on direct restoration materials and sealants, and factors that affect the shade-matching ability of dentists, dental staff members and laypeople.
- 107 CLASSIFIED ADVERTISING

116 INDEX TO ADVERTISERS