

# C O N T



page 1227

## VIEWS

- 1200 Invest Now for the Future**  
*JADA Editor Lawrence H. Meskin, D.D.S., urges dentists to voice their support for a nationwide program to educate teenagers about the safety of dental visits.*

## LETTERS

- 1202** *JADA readers discuss continuing education, non-carious cervical lesions and dental implants.*

## NEWS

- 1212** *An ADA survey reports that dentists' incomes rose in 1993. Researchers find that infants with a certain gene have a higher incidence of cleft palates if their mothers smoked in the early stages of pregnancy.*

## COVER STORY

- 1227 Percutaneous Injuries in Practicing Dentists: A Prospective Study Using a 20-Day Diary**  
Chakwan Siew, Ph.D., and colleagues  
*The authors describe a novel diary study that examined the frequency of percutaneous injuries in the dental setting.*



- 1237 Percutaneous Exposures to HIV-infected Blood Among Dental Workers Enrolled in the CDC Needlestick Study**  
Barbara F. Gooch, D.M.D., M.P.H., and colleagues  
*Dr. Gooch and colleagues examine percutaneous injuries in dental workers exposed to HIV-infected blood.*

## RESEARCH

- 1245 A Clinical Evaluation of a Resin-modified Glass Ionomer Restorative Material**  
Douglas M. Barnes, D.D.S., M.S., and colleagues  
*The authors examine the performance of a resin-modified glass ionomer restorative material up to 12 months after placement in patients.*



- 1255 Contribution of Biofilm Bacteria to the Contamination of the Dental Unit Water Supply**  
Henry N. Williams, Ph.D., and colleagues  
*The authors explore the contribution of biofilm bacteria to the contamination of the dental unit water supply.*

## CLINICAL PRACTICE

- 1263 Differential Diagnosis of Jaw Pain in the Elderly**  
Noah A. Sandler, D.M.D., M.D., and colleagues  
*The authors explain why diagnosing jaw pain in the elderly can be complicated and stress the need for clinicians to consider a wide range of possibilities.*

# E N T S

## 1274 The Use of Pulse Oximetry in Dentistry

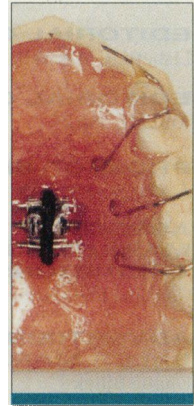
Stephen R. Gandy, D.M.D.

*Dr. Gandy explores pulse oximetry, a way of measuring patients' vital signs to help prevent hypoxia.*

## 1280 Clinical Guidelines for Photocuring Restorative Resins

W. Frank Caughman, D.M.D., M.Ed., and colleagues

*The authors review the literature on the effects of restorative techniques relating to photopolymerization in clinical dentistry.*



page 1296

## 1288 Surgically Treating a Benign Cementoblastoma While Retaining the Involved Tooth

John T. Biggs, D.D.S., M.Ed., M.S.; Fred W. Benenati, D.D.S., M.Ed.

*The authors describe a patient with a benign cementoblastoma who underwent endodontic therapy and surgical excision of the lesion without extraction of the involved tooth.*



## 1291 Increasing Patient Service by Effective Use of Dental Hygienists

Gordon J. Christensen, D.D.S., M.S.D., Ph.D.

*Dr. Christensen stresses the need to expand hygienists' responsibilities to provide them with more diversity, lower patient costs and free dentists to perform other services.*

### SPECIALTIES

## 1296 Computer-assisted Fabrication of Orthodontic Appliances: Considering the Possibilities

Farrokh Sassani, Ph.D., M.Sc., P.Eng., and colleagues

*Dr. Sassani and colleagues describe a computer-controlled system that can partially automate the fabrication of maxillary orthodontic appliances.*

## 1301 Continuing Education

*JADA's continuing education program highlights percutaneous exposures to HIV-infected blood, biofilm bacterial contamination of the dental unit water supply and surgical treatment of a benign cementoblastoma.*

### ASSOCIATION REPORT

## 1305 The ADA Business Program for the 136th annual session is listed.

1214 APPOINTMENTS/ELECTIONS/AWARDS

1216 MEETINGS/CALENDAR OF EVENTS

1220 BOOK REVIEWS

1312 CLASSIFIED ADVERTISING

1320 INDEX TO ADVERTISERS

*Dental instruments on the cover supplied by Dr. Richard J. Pittner of Des Plaines, Ill.*