



CONTINUING EDUCATION PROGRAM

The Journal of the American Dental Association

April 2009

Also available online at "www.ada.org/goto/jadace"

Open to all licensed U.S. dentists, JADA's monthly Continuing Dental Education Program offers Journal readers a chance to earn up to two CE credits each month.

Four articles in each issue of JADA are designated as CE vehicles, identified with our CE logo. Read one or more of the articles and answer the related questions that follow in this section. If you correctly answer three of the four questions per article, you earn 0.5 hour of CE credit—or a total of two credit hours for all four articles.

Your entry is graded by the faculty at the University of Colorado School of Dentistry, a provider of CE credit recognized by the ADA's Continuing Education Recognition Program and the Academy of General Dentistry.

Record your answers on the form provided at the end of this section, clip the completed answer form and attach your address label from this issue of JADA in the space provided. Enclose the form in an envelope, along with the appropriate fee, and mail it to the UC School of Dentistry. The school's address is provided on the form. You will be notified by mail of your score and the credits awarded—information that you must forward to your state dental board.

You also can participate in JADA's CE program online. Visit "www.ada.org/prof/resources/pubs/jada/ce.asp" for complete details.

For ADA-member dentists, the monthly participation fee for JADA's CE program is \$15; the nonmember fee is \$20. You may pay by check drawn on a U.S. bank, money order or credit card. The fee is the same whether you answer questions for one article or for all four.

Credit for the CE program expires one year from the date of publication (both print and online). Duplicate submissions will be disregarded, whether they are additional electronic submissions for a given issue's quiz or redundant paper and electronic submissions. Submit each quiz only once.

Credits issued for participation in the CE activity may not apply toward license renewal in all licensing jurisdictions. It is the responsibility of each participant to verify the CE requirements of his or her licensing or regulatory agency.

Any questions? Call 1-800-736-1911.

CE ARTICLE 1—PAGES 415–423

CARIES RISK IN FORMERLY SEALED TEETH

- 1. What is the estimated prevalence of dental sealants among youths in the United States?**
 - A. 20 percent
 - B. 30 percent
 - C. 40 percent
 - D. 50 percent
- 2. In a study of retention at the site level, by pit and fissure rather than by tooth, what percentage of formerly sealed sites was accounted for by partially lost sealants after one year?**
 - A. 14 percent
 - B. 27 percent
 - C. 39 percent
 - D. 44 percent
- 3. What was the weighted mean relative risk (RR) of caries after one year across four studies for formerly sealed teeth compared with never-sealed teeth?**
 - A. 1.729
 - B. 1.214
 - C. 0.998
 - D. 0.717



4. What was the weighted mean RR of caries after four years across five studies for formerly sealed teeth compared with never-sealed teeth?
- A. 1.671
 - B. 1.198
 - C. 0.936
 - D. 0.785

CE ARTICLE 2—PAGES 425-432

SEALING, REFURBISHMENT AND REPAIR OF CLASS I AND CLASS II DEFECTIVE RESTORATIONS: A THREE-YEAR CLINICAL TRIAL

1. For restorations in group A (sealed margins), what percentage were rated Alfa for marginal adaptation after three years?
 - A. 43 percent
 - B. 60 percent
 - C. 80 percent
 - D. 96 percent
2. For restorations in group B (refurbishment), what percentage were rated Alfa for surface roughness after three years?
 - A. 50 percent
 - B. 66 percent
 - C. 70 percent
 - D. 85 percent
3. For restorations in group C (repair), what percentage were rated Alfa for anatomical form after three years?
 - A. 43 percent
 - B. 58 percent
 - C. 74 percent
 - D. 81 percent
4. For restorations in group D (replacement), what percentage were rated Alfa for marginal adaptation after three years?
 - A. 43 percent
 - B. 60 percent
 - C. 80 percent
 - D. 96 percent

CE ARTICLE 3—PAGES 447-454

CLINICAL EVALUATION OF TWO PACKABLE POSTERIOR COMPOSITES: A FIVE-YEAR FOLLOW-UP

1. Five years after placement, how many of the restorations failed owing to secondary caries?
 - A. one
 - B. two
 - C. four
 - D. six
2. After five years, how many of the restorations were scored lower than Alfa for sensitivity?
 - A. one
 - B. two
 - C. four
 - D. six



3. After five years, how many of the restorations were scored lower than Alfa for retention?
- A. two
 - B. four
 - C. six
 - D. eight
4. After five years, how many of the restorations were scored lower than Alfa for surface texture?
- A. 17
 - B. 21
 - C. 25
 - D. 29

CE ARTICLE 4—PAGES 455-460

THE EFFECT OF CASEIN PHOSPHOPEPTIDE-AMORPHOUS CALCIUM PHOSPHATE AND A COLA SOFT DRINK ON IN VITRO ENAMEL HARDNESS

1. In the demineralization phase, how long was each sample immersed in the cola soft drink before being immersed in artificial saliva?
- A. one second
 - B. five seconds
 - C. 30 seconds
 - D. 60 seconds
2. What was the mean percentage reduction in microhardness among all of the samples after erosion with the cola soft drink?
- A. 3.90 percent
 - B. 8.70 percent
 - C. 11.20 percent
 - D. 14.30 percent
3. Which group had the largest percentage increase in microhardness after the remineralization phase of the study?
- A. Group 1
 - B. Group 2
 - C. Group 3
 - D. Group 4
4. Which group had a decrease in microhardness after the remineralization phase of the study?
- A. Group 1
 - B. Group 2
 - C. Group 3
 - D. Group 4



**JADA CONTINUING DENTAL EDUCATION PROGRAM
ANSWER SHEET
APRIL 2009**

1. Please place the pressure-sensitive label from the front cover of JADA over the shaded area below, or PRINT your name and address:

Last name _____	First name _____	Initial _____
Street address _____		Suite or Apt. # _____
City _____	State _____	ZIP code _____ Country _____
ADA member no. _____		

Daytime phone number (_____) _____

2. Total administrative fee enclosed: \$15 ADA Member \$20 ADA Nonmember

I wish to pay the administrative fee by the following method:

Check # _____ made payable (in U.S. funds drawn on U.S. banks) to **CU School of Dentistry**

VISA M/C Diners Club

Credit card # _____ Exp. date _____

Signature _____

3. Check (✓) the answer to each question for each article you select. You may complete one or more articles.

<input type="checkbox"/> CE Article 1 A B C D	<input type="checkbox"/> CE Article 2 A B C D	<input type="checkbox"/> CE Article 3 A B C D	<input type="checkbox"/> CE Article 4 A B C D
Q1. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Q1. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Q1. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Q1. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Q2. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Q2. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Q2. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Q2. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Q3. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Q3. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Q3. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Q3. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Q4. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Q4. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Q4. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Q4. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

4. Check here if you wish us to send a copy of your test results directly to the Academy of General Dentistry.

Mail answers and participation fee to this address:

University of Colorado School of Dentistry
Continuing Education—attn: JADA
Mailstop F839
P.O. Box 6508
Aurora, Colo. 80045-0508

Alternatively, you may complete the test online at “www.ada.org/goto/jadace”.