CONTINUING EDUCATION PROGRAM
The Journal of the American Dental Association
September 2014
Also available online at www.ada.org/jadace

Open to all licensed U.S. dentists, JADA’s monthly Continuing Education Program now offers Journal readers a chance to earn up to four (4) CE credits each month—double the previous total. 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 in this section. If you correctly answer three of the four questions per article, you now earn one (1) hour of CE credit per article—or a total of four (4) credit hours for all four articles. This is effective as of March 2013 for all active CE tests (in other words, the current month and the previous 11 months).

The University of Colorado is an ADA Continuing Education Recognition Program (CERP) Recognized Provider. ADA CERP is a service of the American Dental Association to assist dental professionals in identifying quality providers of continuing dental education. ADA CERP does not approve or endorse individual courses or instructors, nor does it imply acceptance of credit hours by boards of dentistry. Concerns or complaints about a CE provider may be directed to the provider or to ADA CERP at www/ada.org/cerp.

Record your answers on the form provided at the end of this section, clip the completed form and attach your address label from this issue of JADA. Mail the form and the appropriate fee to the UC School of Dental Medicine. 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/jadace.

For ADA-member dentists, the monthly participation fee 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 electronic or paper.

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. This is effective as of March 2013 for all active CE tests (in other words, the current month and the previous 11 months).

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

CE ARTICLE 1—PAGES 924-930
NOXIOUS FAMILY ENVIRONMENTS IN RELATION TO ADULT AND CHILDHOOD CARIES

1. Which one of the following was significantly associated with caries among female participants in this study?
   A. male-to-female observed hostility
   B. male-to-female physical aggression
   C. male-to-female emotional aggression
   D. mother-to-child overreactive discipline

2. Which one of the following was significantly associated with oral health impact profile scores among male participants in this study?
   A. female-to-male observed hostility
   B. female-to-male physical aggression
   C. female-to-male emotional aggression
   D. father-to-child overreactive discipline
3. Which one of the following was significantly associated with caries among children participating in this study?
   A. father-to-child overreactive discipline
   B. mother-to-child overreactive discipline
   C. male-to-female physical aggression
   D. female-to-male emotional aggression

4. For every one standard deviation increase in the mothers’ emotional aggression toward the fathers, what increase in the number of carious lesions was noted among children?
   A. 5.9 additional lesions
   B. 3.1 additional lesions
   C. 1.9 additional lesions
   D. 0.6 additional lesions

CE ARTICLE 2–PAGES 932-939
COUNTY-LEVEL CORRELATION BETWEEN ADULT OBESITY RATES AND PREVALENCE OF DENTISTS

1. What percentage of adults in this study was obese?
   A. 36.29 percent
   B. 33.41 percent
   C. 30.33 percent
   D. 27.55 percent

2. Each of the following was associated significantly with a higher obesity rate except which one?
   A. higher percentage of adults reporting no leisure-time physical activity
   B. higher percentage of fast-food restaurants as a proportion of all restaurants
   C. lower prevalence of recreational facilities
   D. higher percentage of population reporting Hispanic ethnicity

3. In counties in which at least 25 percent of children lived in poverty, what difference in the percentage of adults who were obese was associated with one additional dentist per 10,000 population?
   A. 1.98 percent decrease
   B. 1.73 percent decrease
   C. 1.23 percent decrease
   D. 1.11 percent decrease

4. In counties with more than 0.3 primary care physicians per 10,000 population, what difference in the percentage of adults who were obese was associated with one additional dentist per 10,000 population?
   A. 1.98 percent decrease
   B. 1.73 percent decrease
   C. 1.23 percent decrease
   D. 1.11 percent decrease

CE ARTICLE 3–PAGES 941-948
THE RELATIONSHIP BETWEEN VARIOUS PARAMETERS OF COMPLETE DENTURE QUALITY AND PATIENTS’ SATISFACTION

1. What percentage of participants’ dentures were rated as “acceptable” by the clinicians in terms of overall clinical quality across the seven items scored?
   A. 93 percent
   B. 81 percent
   C. 77 percent
   D. 70 percent
2. Which item on the patients’ denture satisfaction scale had the lowest mean score?
   A. comfort of your upper denture
   B. comfort of your lower denture
   C. retention of your upper denture
   D. retention of your lower denture

3. Which one of the following clinical quality items was correlated most strongly with overall patient satisfaction scores?
   A. esthetic lip support
   B. retention of maxillary denture
   C. retention of mandibular denture
   D. occlusion

4. Which clinical quality item was correlated most strongly with patients’ satisfaction with their ability to speak?
   A. esthetic lip support
   B. retention of maxillary denture
   C. retention of mandibular denture
   D. occlusion

CE ARTICLE 4–PAGES 956–959
IMPACT ABSORPTION AND FORCE DISSIPATION OF PROTECTIVE MOUTH GUARDS WITH OR WITHOUT TITANIUM REINFORCEMENT

1. What thickness of ethylene vinyl acetate (EVA) do study findings suggest for construction of athletic mouth guards?
   A. 4 to 5 millimeters
   B. 3 to 4 mm
   C. 2 to 3 mm
   D. 1 to 2 mm

2. What percentage of total impact energy was absorbed in this study’s EVA mouth guard group?
   A. 94.1 percent
   B. 77.8 percent
   C. 59.6 percent
   D. 42.2 percent

3. What was the mean dissipated energy in the EVA mouth guard group?
   A. 3.11 joules
   B. 2.27 J
   C. 1.93 J
   D. 1.26 J

4. What total mean energy was transmitted to mouth guards in the study group using EVA mouth guards with titanium reinforcement?
   A. 2.98 joules
   B. 1.43 J
   C. 0.99 J
   D. 0.61 J
JADA CONTINUING DENTAL EDUCATION PROGRAM
ANSWER SHEET
SEPTEMBER 2014

1. Please 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 UC School of Dental Medicine
☑ VISA   ☑ M/C   ☑ American Express
Credit card # ______________________________ Exp. date________________
Signature _____________________________________________________________________________

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

☐ CE Article 1   ☐ CE Article 2   ☐ CE Article 3   ☐ CE Article 4

<table>
<thead>
<tr>
<th>Q1.</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>☑️</td>
<td>☑️</td>
<td>☑️</td>
<td>☑️</td>
<td>☑️</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q2.</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>☑️</td>
<td>☑️</td>
<td>☑️</td>
<td>☑️</td>
<td>☑️</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q3.</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>☑️</td>
<td>☑️</td>
<td>☑️</td>
<td>☑️</td>
<td>☑️</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q4.</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>☑️</td>
<td>☑️</td>
<td>☑️</td>
<td>☑️</td>
<td>☑️</td>
</tr>
</tbody>
</table>

☐ CE Article 1   ☐ CE Article 2   ☐ CE Article 3   ☐ CE Article 4

<table>
<thead>
<tr>
<th>Q1.</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>☑️</td>
<td>☑️</td>
<td>☑️</td>
<td>☑️</td>
<td>☑️</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q2.</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>☑️</td>
<td>☑️</td>
<td>☑️</td>
<td>☑️</td>
<td>☑️</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q3.</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>☑️</td>
<td>☑️</td>
<td>☑️</td>
<td>☑️</td>
<td>☑️</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q4.</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>☑️</td>
<td>☑️</td>
<td>☑️</td>
<td>☑️</td>
<td>☑️</td>
</tr>
</tbody>
</table>

4. ☑ Check here if you wish 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 Dental Medicine
Continuing Dental Education—attn.: JADA
Mailstop F839
13065 E. 17th Ave., Room 104
Aurora, Colo. 80045
Alternatively, you may complete the test online at www.ada.org/jadace.