



**DENTAL BOARD OF CALIFORNIA PORTFOLIO EXAMINATION  
ENDODONTICS COMPETENCY EXAM**

<b>Candidate ID#</b> _____	<b>Patient's Chart #:</b> _____
<b>Candidate Name:</b> _____	<b>Tooth #:</b> _____
<p><b><u>Factor 1: Pretreatment clinical testing and radiographic imaging</u> –</b></p> <p><b>Score [ ]</b></p> <p><b>[4]</b> - Clinical tests and radiographic imaging completed and recorded accurately; radiographic images are of diagnostic quality.</p> <p><b>[3]</b> – Clinical tests and radiographic imaging completed and recorded accurately with minor discrepancies.</p> <p><b>[2]</b> – Some clinical tests and radiographic images are lacking <u>but</u> diagnosis can be determined.</p> <p><b>[1]</b> – Some clinical tests and radiographic images are lacking <u>and</u> diagnosis is questionable.</p> <p><b>[0] – Critical errors -</b></p> <ul style="list-style-type: none"> <li>• Clinical tests and radiographic images are lacking and diagnosis CANNOT be determined.</li> <li>• Radiographic images are missing or are NOT of diagnostic quality</li> </ul> <p><b>Comments:</b></p>  <p>_____ <b>Examiner Signature</b></p> <p>_____ <b>Examiner Printed Name</b></p> <p>_____ <b>Date</b></p>	<p><b><u>Factor 2: Endodontic diagnosis</u> –</b></p> <p><b>Score [ ]</b></p> <p><b>[4]</b> – Establishes correct pulpal and periapical diagnosis with accurate interpretation of clinical tests and radiographic images.</p> <p><b>[3]</b> – Establishes correct pulpal and periapical diagnosis with accurate interpretation, <u>but</u> missing <u>one</u> clinical test and/or radiographic image.</p> <p><b>[2]</b> – Establishes correct pulpal and periapical diagnosis with adequate interpretation, <u>but</u> missing <u>multiple</u> clinical tests and/or radiographic images that do NOT impact diagnosis.</p> <p><b>[1]</b> - Establishes inaccurate pulpal or periapical diagnosis, <u>and</u> missing <u>multiple</u> clinical tests and radiographic images that impact diagnosis.</p> <p><b>[0] – Critical errors –</b></p> <ul style="list-style-type: none"> <li>• Demonstrates lack of understanding of endodontic diagnosis.</li> <li>• No clinical tests were done.</li> </ul> <p><b>Comments:</b></p>  <p>_____ <b>Examiner Signature</b></p> <p>_____ <b>Examiner Printed Name</b></p> <p>_____ <b>Date</b></p>



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<p><b><u>Factor 3: Endodontic treatment plan</u></b> –</p> <p><b>Score [ ]</b></p> <p><b>[4]</b> – Prognosis of treatment outcomes determined; Comprehensive evaluation of medical and dental history; Selects appropriate treatments based on clinical evidence; Understands complexities of the case such that all treatment risks identified; Informed consent obtained including alternative treatments.</p> <p><b>[3]</b> – Prognosis of treatment outcomes determined <u>and</u> adequate evaluation of medical and dental history; Selects appropriate treatment(s); Significant treatment risks identified; Informed consent obtained.</p> <p><b>[2]</b> – Prognosis of treatment outcomes determined <u>and</u> minimal evaluation of <u>one</u> of the following:</p> <ul style="list-style-type: none"><li>• Medical or dental history</li><li>• Appropriate treatment(s) selected</li><li>• Most treatment risks identified</li><li>• Informed consent obtained</li></ul> <p><b>[1]</b> – Prognosis of treatment outcomes unclear; Inadequate evaluation of medical and dental history despite appropriate treatment selected; Key treatment risks NOT identified.</p>	<p><b><u>Factor 3: Endodontic treatment plan</u></b> – <b>continued</b></p> <p><b>[0]</b> – <b>Critical errors</b> –</p> <ul style="list-style-type: none"><li>• Demonstrates lack of evaluation of relevant medical and dental history.</li><li>• Inappropriate treatment planning.</li><li>• No treatment risks identified.</li><li>• No informed consent obtained.</li><li>• Demonstrates inappropriate case selection.</li><li>• Prognosis of treatment outcomes NOT determined.</li></ul> <p><b>Comments:</b></p> <p>_____</p> <p><b>Examiner Signature</b></p> <p>_____</p> <p><b>Examiner Printed Name</b></p> <p>_____</p> <p><b>Date</b></p> <p style="text-align: right;"><b>E</b></p>
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**Factor 4: Anesthesia and pain control –**

**Score [   ]**

**[4]** – Thorough knowledge of technique and materials used; Monitors vital signs and patient response throughout anesthesia; Anesthesia administration effective.

**[3]** – Thorough knowledge of technique; Profound anesthesia achieved; Monitors patient response throughout anesthesia.

**[2]** – Can proceed with treatment without faculty assistance; Adequate anesthesia achieved.

**[1]** – Elements of anesthesia or pain control absent but patient care NOT compromised.

**[0] – Critical errors –**

- Incorrect anesthetic technique.
- Inadequate pain control and patient care compromised.
- Required faculty assistance.

**Comments:**

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**Examiner Signature**

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**Factor 5: Caries removal, removal of failing restorations, evaluation of restorability and site isolation –**

**Score [   ]**

**[4]** – Compete removal of visible caries; Removal of failing restoration; Establishes complete structural restorability; Achieves complete isolation with dental dam.

**[3]** – No visible caries and failing restorations removed; Establishes significant aspects of structural restorability and achieves effective isolation with dental dam.

**[2]** – No visible caries present; Establishes likely restorability and achieves adequate isolation with dental dam.

**[1]** – Caries removal compromised that potentially impacts procedure; Compromised coronal seal.

**[0] – Critical errors –**

- Gross visible caries
- Failing restoration present
- Non-restorable excluding medical indications
- Ineffective isolation

**Comments:**

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**Factor 6: Access opening – Score [ ]**

**[4]** – Optimum outline and access form with no obstructions; All canals identified; Roof and pulp horns removed.

**[3]** – Slight under-extension of outline form but walls smooth but all canals identified and roof and pulp horns removed.

**[2]** – Moderate under- or over-extension of outline form; Minor irregularities for wall smoothness but all canals identified and roof and pulp horns removed.

**[1]** – Crown integrity compromised by over-extension but tooth remains restorable; All canals identified but minor roof and pulp horns remain.

**[0] – Critical errors –**

- Tooth is NOT restorable after access procedure or perforation.
- Structural compromise.
- Canal(s) missed or unidentified.

**Comments:**

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**Factor 7: Canal preparation technique –**

**Score [ ]**

**[4]** – Optimum canal length determination and preparation within 0.5-1.0 mm of radiographic apex; Maintenance of original canal position and integrity.

**[3]** – Adequate canal length determination and preparation within 1.5 mm short of radiographic apex; Mild deviations of original canal shape.

**[2]** – Acceptable canal length determination and preparation within 2.0 mm short of working length; Moderate deviations of original canal shape.

**[1]** – Canal length and preparation shorter than original working length; Canal length >2.0 mm short or 1.0 mm long of radiographic apex; Severe deviations of original canal shape but treatable; Separated instrument that does NOT prevent canal preparation.

**[0] – Critical errors –**

- Working length determination >2.0 mm short or long of radiographic apex.
- Sodium hypochlorite accident.
- Canal perforated or NOT treatable.
- Separated instrument preventing canal preparation.

**Comments:**

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<p><b><u>Factor 8: Master cone fit – Score [   ]</u></b></p> <p><b>[4]</b> – Optimum cone fit and length verification within 0.5-1.0 mm of radiographic apex; Maintenance of canal position and integrity as demonstrated in cone fit.</p> <p><b>[3]</b> – Adequate cone fit and length verified within 1.5 mm short of radiographic apex; Mild deviations of original canal shape.</p> <p><b>[2]</b> – Acceptable cone fit and length verified within 2.0 mm short of radiographic apex; Moderate deviations of original canal shape; Achieves tugback before lateral obturation.</p> <p><b>[1]</b> – Cone length determination &gt;2.0 mm short or long from radiographic apex; Cone fit &gt;2.0 mm short or &gt;1.0 mm long of radiographic apex.</p> <p><b>[0] – Critical errors –</b></p> <ul style="list-style-type: none"> <li>• Master cone too small.</li> <li>• Master cone too large.</li> <li>• Master cone fit &gt;2.0 mm short or long of radiographic apex.</li> </ul> <p><b>Comments:</b></p>          <hr/> <p><b>Examiner Signature</b></p> <hr/> <p><b>Examiner Printed Name</b></p> <hr/> <p><b>Date</b></p>	<p><b><u>Factor 9: Obturation technique – Score [   ]</u></b></p> <p><b>[4]</b> – Achieves dense fill within 0.5 - 1.0 mm short of radiographic apex; None or minor over-extension of sealer; No solid core material over-extended.</p> <p><b>[3]</b> – Achieves dense fill within the apical two-thirds and less than 1.5 mm short of radiographic apex; Less than 1.0 mm of sealer extruded.</p> <p><b>[2]</b> – Achieves dense fill in apical third without voids; Solid core material 1.5 - 2.0 mm short or 1.0 mm long of radiographic apex; 1.0 - 2.0 mm of sealer extruded.</p> <p><b>[1]</b> – Apical third has slight to moderate voids; Solid core material 2.0 - 3.0 mm short or 1.0 - 2.0 mm long; More than 2.0 mm of sealer extruded.</p> <p><b>[0] – Critical errors –</b></p> <ul style="list-style-type: none"> <li>• Solid core material greater than 3 mm short or greater than 2 mm long of radiographic apex. and/or</li> <li>• Significant voids throughout fill.</li> </ul> <p><b>Comments:</b></p>          <hr/> <p><b>Examiner Signature</b></p> <hr/> <p><b>Examiner Printed Name</b></p> <hr/> <p><b>Date</b></p>
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**Factor 10: Completion of case – Score [   ]**

**[4]** – Optimum coronal seal placed prior to permanent restoration; Optimum evidence of documentation (e.g., radiographs, clinical notes, assessment of outcomes); Evidence of comprehensive and inclusive post-operative instructions.

**[3]** – Effective coronal seal placed prior to permanent restoration; Thorough evidence of documentation (e.g., radiographs, clinical notes, assessment of outcomes) and evidence of post-operative instructions.

**[2]** – Acceptable durable coronal seal placed; Acceptable documentation (e.g., radiographs, clinical notes, assessment of outcomes) and evidence of post-operative instructions.

**[1]** – Acceptable coronal seal placed with limited longevity; Evidence of incomplete documentation; Evidence of incomplete post-operative instructions.

**[0] – Critical errors –**

- Poor coronal seal.
- Prognosis likely impacted by iatrogenic treatment factors.
- Improper or no documentation.
- No evidence of post-operative instructions.

**Comments:**

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