

American Board of Operative Dentistry Portfolio Examination Requirements*

* ABOD now offers the Portfolio Examination as a substitute for the three-day Clinical Examination. The fee for the Portfolio Examination is \$1,000.00 and is non-refundable. Candidates will be permitted to re-submit cases (one re-submission for each required procedure) at no additional fee. Candidates should expect that the Examination Committee will require written answers to questions raised during the case evaluations, or perhaps an Oral Examination component (via Zoom) in conjunction with the Portfolio Examination. This examination will be separate from the Oral Examination required for the Part III Case Presentation Examination.

Candidates are expected to complete all procedures independently without guidance or supervision (except as required by their University's patient care parameters), just as they would for an in-person Clinical Examination.

Please keep in mind that the ABOD Examination Committee may periodically modify the procedural requirements as deemed appropriate to better assess candidate proficiency. All changes will be posted on the ABOD Facebook page and will apply immediately to all candidates, regardless of the requirements in place at the time of the candidate's initial eligibility approval. Candidates should review the ABOD Facebook page and consult with the chair of the Examination Committee before submitting cases to ensure they have the most current information regarding the portfolio requirements.

Overall Photographic Requirements

- **PLEASE NOTE:** All photos submitted to ABOD become shared property with the Board. Both ABOD and the candidate may use submitted photos for publications and presentations.
- Digital image quality is contingent upon proper setup and camera use. Images should have correct color and exposure, good depth of field, and sharp focus. Professional grade digital cameras are recommended. The digital camera should be capable of capturing at least 5 Megapixels and be able to capture images as time stamped "RAW" files.
- The correct date and time should be set on the camera, and time-stamped raw images should be provided on a thumb drive and mailed to the ABOD Examination Committee Chair. Specific mailing instructions will be provided.
- Any photographs of patients should include a consent form signed by the patient giving permission for taking images and for use by the American Board of Operative Dentistry.
- Each procedure will be documented as a single Powerpoint presentation limited to 10 MB and uploaded to an ABOD-assigned cloud-based storage service. All images must be de-identified.
- For the Powerpoint presentation, images should be optimized for angulation, lighting, rotated for consistent viewing, cropped and mirror images reversed. Acceptable images will clearly show mesial and distal contacts and at least one adjacent tooth in focus on either side of the restored tooth. Candidates have found the best results with using a mirror for consistent focus, held by an assistant who also lightly blows air on the mirrors. The use of contrasters is also encouraged.

Required Procedures

1) Cast Gold Onlay or $\frac{3}{4}$ Crown Preparation and Wax Pattern

- This exercise should be completed on a dentoform.
- Cavity preparation will involve two proximal contacts and all major cusps.
- Specific tooth and preparation parameters will be determined by the Examination Committee and provided to individual candidates.
- Wax-up must demonstrate restoration of appropriate proximal and occlusal contacts, contours, and anatomy.
- Wax pattern must be sprued appropriately and mounted in a casting sprue former.

Documentation:

- Buccal, lingual and occlusal pre-operative photos. Buccal photograph must show the teeth in occlusion.
- Photographs (buccal, lingual, and occlusal) of completed preparation with dental dam isolation.
- Photograph (occlusal) of completed preparation with dental dam isolation and periodontal probe in deepest portion of occlusal preparation (if there is an occlusal preparation).
- Photograph (buccal) of completed preparation with dental dam removed. Photograph must show the teeth in occlusion.
- Photographs (buccal, lingual and occlusal) of completed wax pattern on the cavity preparation. Buccal photograph must show the teeth in occlusion.
- Photograph demonstrating proximal contacts (see demo).
- Photographs (occlusal and intaglio surfaces) of wax pattern sprued and mounted in a casting sprue former.

Required Procedures

2) Class II Resin Composite

- At least one proximal surface must radiographically demonstrate a virgin caries lesion.
- Tooth must be in occlusion prior to restoration.
- All restored proximal surfaces must demonstrate proper proximal contours and contacts.

Documentation:

- Pre-operative BWX and PA radiographs
- Pre-operative photos (buccal, lingual and occlusal) before dental dam replacement
 - Buccal photograph must show the teeth in occlusion
- Pre-operative photos (buccal, lingual and occlusal) after dental dam replacement
- Photographs (buccal, lingual, and occlusal) of ideal cavity preparation before caries removal and any necessary modifications (removal of undermined tooth structure, etc.), with dental dam in place
- Photographs (buccal, lingual, and occlusal views as needed) following caries removal and outline modifications, before placement of any liner or core build-up material
- Photographs (buccal, lingual, and occlusal views as needed) of liner or core build-up material placement
- Photographs (buccal, lingual, and occlusal) of completed preparation with dental dam isolation
- Photograph (occlusal) of completed preparation with dental dam isolation and periodontal probe in deepest portion of occlusal preparation (if there is an occlusal preparation)
- Photographs (buccal, lingual and occlusal) of completed restoration with dental dam isolation
- Photograph demonstrating proximal contact before dental dam removal (see demo)
- Photographs (buccal and occlusal) of completed restoration with dental dam removed.
 - Buccal photograph must show the teeth in occlusion.
 - Occlusal photograph must demonstrate occlusal contact markings (articulating paper).
- Post-operative BWX (no overlap). PA radiograph is acceptable if BWX is not adequate to visualize proximal contacts.
- Written discussion including:
 - Diagnosis (reason for restoration)
 - All restorative materials used
 - A brief justification for materials selected

Required Procedures

3) Cuspal Coverage Amalgam

- Tooth to be restored must have occlusal contact (not with a denture).
- Restoration must restore at least one proximal contact and at least two cusps.
- All restored proximal surfaces must demonstrate proper proximal contours and contacts.
- Final restoration must exhibit appropriate occlusal contact, function, and anatomy.
- Restoration must be polished.

Documentation:

- Pre-operative BWX and PA radiographs
- Pre-operative photos (buccal, lingual and occlusal) before dental dam replacement
 - Buccal photograph must show the teeth in occlusion
- Pre-operative photos (buccal, lingual and occlusal) after dental dam replacement
- Photographs (buccal, lingual, and occlusal) of ideal cavity preparation before caries removal and any necessary modifications (removal of undermined tooth structure, etc.), with dental dam in place
- Photographs (buccal, lingual, and occlusal views as needed) following caries removal and outline modifications, before placement of any liner or core build-up material
- Photographs (buccal, lingual, and occlusal views as needed) of liner or core build-up material placement
- Photographs (buccal, lingual and occlusal) of completed preparation (just prior to restoration) with dental dam isolation
- Photograph (occlusal) of completed preparation with dental dam isolation and periodontal probe in deepest portion of occlusal preparation (if there is an occlusal preparation)
- Photographs (buccal, lingual and occlusal) of completed restoration with dental dam isolation
- Photograph demonstrating proximal contact before dental dam removal (see demo)
- Photographs (buccal, lingual and occlusal) of completed restoration with dental dam removed, prior to final polishing
 - Buccal photograph must show the teeth in occlusion.
 - Occlusal photograph must demonstrate occlusal contact markings (articulating paper)
- Photographs (buccal, lingual and occlusal) of completed restoration after final polishing
 - Buccal photograph must show the teeth in occlusion
 - Occlusal photograph must demonstrate occlusal contact markings (articulating paper)
- Post-operative BWX (no overlap). PA radiograph is acceptable if BWX is not adequate to visualize proximal contacts.
- Written discussion including:
 - Diagnosis (reason for restoration)
 - All restorative materials used
 - A brief justification for materials selected

Required Procedures

4) Cuspal Coverage Indirect Restoration

- Tooth to be restored must have occlusal contact (not with a denture)
- Restoration must restore at least one proximal contact and at least two cusps
- All restored proximal surfaces must demonstrate proper proximal contours and contacts.
- The final restoration must exhibit appropriate occlusal contact and function
- Restorative material may be gold or ceramic

Documentation:

- Pre-operative BWX and PA radiographs
- Pre-operative photos (buccal, lingual and occlusal) before dental dam replacement
 - Buccal photograph must show the teeth in occlusion
- Pre-operative photos (buccal, lingual and occlusal) after dental dam replacement
- Photographs (buccal, lingual, and occlusal) of ideal cavity preparation before caries removal and any necessary modifications (removal of undermined tooth structure, etc.), with dental dam in place
- Photographs (buccal, lingual, and occlusal views as needed) following caries removal and outline modifications, before placement of any liner or core build-up material
- Photographs (buccal, lingual, and occlusal views as needed) of liner or core build-up material placement
- Photographs (buccal, lingual, and occlusal) of completed preparation (just prior to restoration) with dental dam isolation
- Photograph (occlusal) of completed preparation (with dental dam isolation) and periodontal probe in deepest portion of occlusal preparation.
- Photographs (buccal, lingual and occlusal) of completed restoration (with dental dam isolation if used)
- Photograph demonstrating proximal contacts (see demo)
- Photographs (buccal and occlusal) of completed restoration with dental dam removed.
 - Buccal and lingual photographs should be perpendicular to the surfaces of the tooth for evaluation of the proximal contacts.
 - Buccal photograph must show the teeth in occlusion.
 - For posterior restorations, an additional photograph of the buccal corridor should be included for evaluation of buccal contour.
 - Occlusal photograph must demonstrate occlusal contact markings (articulating paper).
- Post-operative BWX (no overlap). PA radiograph is acceptable if BWX is not adequate to visualize proximal contacts.
- Written discussion including:
 - Diagnosis (reason for restoration)
 - All restorative materials used
 - A brief justification for materials selected
 - A brief discussion of how the preparation would be altered for different materials

Required Procedures

5) Implant Restoration

- Restoration must restore proximal contact (at least one) and appropriate occlusal contacts with opposing teeth
- Candidate is not required to place the implant, but must restore from implant level

Documentation:

- Initial pre-treatment periapical and BWX radiographs (before implant placement)
- Initial pre-treatment photographs (buccal, lingual, and occlusal) (before implant placement)
- Post-implant, pre-restoration periapical and BWX radiographs
- Post-implant, pre-restoration photographs (buccal, lingual, and occlusal)
 - Buccal view should show the teeth in occlusion
- Photographs (buccal, lingual, and occlusal) of completed restoration.
 - Buccal and lingual photographs should be perpendicular to the surfaces of the tooth for evaluation of the proximal contacts.
 - Buccal photograph must show the teeth in occlusion.
 - For posterior restorations:
 - Buccal, lingual, and occlusal views with lips retracted
 - An additional photograph of the buccal corridor should be included for evaluation of buccal contour.
 - For anterior restorations:
 - Facial, lingual, and occlusal views with lips retracted
 - Facial view with patient smiling (no lip retraction)
- Post-operative periapical and BWX radiographs
- Written discussion including:
 - Diagnosis (reason for restoration)
 - All restorative materials used (including implants and abutments)
 - A brief justification for materials selected
 - Discussion of impression procedures
 - Discussion of cementation or screw-retained restorations, and what was selected in this case (and why)
 - Discussion of delivery process for this implant system
 - Discussion of occlusal scheme developed
 - *Further discussion during Oral Exam (Part III) is likely*

Required Procedures

6) Class IV Polychromatic Resin Composite – Maxillary Incisor

- Restoration must restore proximal and occlusal contact and include at least ½ of the M-D dimension of the incisal edge
- Any bleaching or restoration of adjacent teeth must be completed prior to restoration
- At least three shades, tints, and/or color modifiers must be used

Documentation:

- Pre-operative periapical radiographs
- Facial, lingual, and occlusal pre-operative photos (including pre-bleaching)
- Pre-operative photos (facial, lingual and occlusal) before dental dam replacement
 - Facial photograph must show the teeth in occlusion
- Pre-operative photos (facial, lingual and occlusal) after dental dam placement
- Photographs (facial, lingual, and occlusal) of ideal cavity preparation before caries removal and any necessary modifications (removal of undermined tooth structure, etc.), with dental dam in place
- Photographs (facial, lingual, and occlusal views as needed) following caries removal and outline modifications, before placement of any liner or core build-up material
- Photographs (facial, lingual, and occlusal views as needed) of liner or core build-up material placement
- Photographs (facial, lingual and occlusal) of completed preparation, including bevels, with dental dam isolation
- Photographs (facial, lingual and occlusal) of completed restoration with dental dam isolation
- Photographs (facial, lingual and occlusal) of completed restoration with dental dam removed
- Post-operative periapical radiograph
- Photographs taken at least 24 hours after restoration (post-operative)
 - Facial, lingual, and occlusal views with lips retracted
 - Facial view with patient smiling (no lip retraction)
- Color map indicating all shades and tints used
- Written discussion including:
 - Diagnosis (reason for restoration)
 - All restorative materials used
 - A brief justification for materials selected