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## **BOC Prosthetist Candidate Video Practical Examination Instructions**

The Video Practical Examination (VPE) is designed to test your competence to perform the basic tasks of a BOC Prosthetist. While it is essential that you provide the prescribed device that is appropriately fitted to the patient, your role does not end there. A patient relies on your expertise and guidance to fully obtain the benefits of your care – and that can only be demonstrated by your explanation of the process, instructions for use, and an evaluation of the patient’s ability to properly use the device for the purposes designed.

In this portion of your certification examination, you are to demonstrate your “hands-on” clinical skills in providing patients with prosthetic and/or orthotic care. Although it is best to utilize an actual patient in this exam, it is not required as long as the volunteer patient is appropriate.

Please read the instructions, requirements and evaluation criteria CAREFULLY before you begin taping so that you understand the expectations and are well prepared to fulfill the evaluation criteria. Be sure to allow plenty of time for retakes and improvements.

### **Preparation and Requirements**

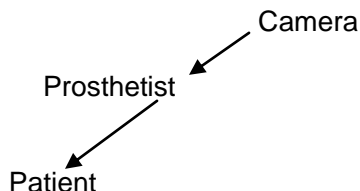
- **Media Format:** Submit your VPE on a DVD, CD, 8mm, or VHS tape. An original and three copies of the video must be submitted with your full name and “Prosthetist” affixed to each.
- **Area Setup:** Ensure sufficient lighting and space where you will be recording. We suggest you run light and sound tests before beginning the video. The camera should be located approximately 6 to 12 feet from you and the patient. For the entire video, the camera should be mounted and remain stationary. Occasional close-up shots are allowed, but be sure that you and the patient remain identifiable. Position the camera so that your body does not block your work.
- **Patients:** Actual patients should be used for the video, if possible. If not, a volunteer patient may be used to model the procedures. Your patient should be at least 19 years of age. Please contact the patient before his/her appointment to discuss your special request of recording the procedure for the purpose of your certification. Patients and volunteers featured in the video exam should be dressed in form-fitting garments such as snug shorts, tights and t-shirts. Patients should not be completely disrobed.
- **Required Forms:** Each patient must sign a patient consent form, enclosed with the application materials and available online. Patient signatures must be included on the video, which should be done prior to the procedure being performed. After receiving the patient or volunteer’s consent to participate, identify the patient and any relevant background information. Additionally, you must sign the video authentication form to verify that you have performed all procedures on the video. [This form is also available online.](#)
- **Time Allotment:** A maximum of 90 total minutes is allowed for completing **all** procedures, 60 minutes for the casting and measuring portion of the video and 30 minutes for the alignment portion of your video. You may stop the camera only to allow for time-consuming procedures, such as drying your materials.
- **Your appearance and demeanor,** including appropriate clothing and use of terminology, should reflect your professionalism as a practitioner.

## Practical Examination Tasks

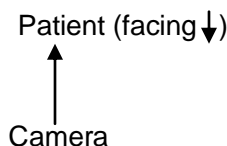
Instructions for performing procedures:

- The video must show the procedure from beginning to end, with no pre-bending or shaping.
- First, describe the procedure you will be performing, including the devices you have selected for fitting, if appropriate.
- Then, begin the procedure, explaining the procedure to the patient, not the camera.
- When you have completed one procedure, stop the camera, so that on the video each procedure will closely follow the preceding procedure.

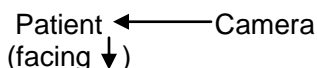
1. Casting and Measuring: The first portion of the video will show you casting and measuring a below-knee amputee for a standard PTB prosthesis. NOTE: shoot this procedure at a 45° angle with the video camera. (See diagram below)



2. On tape, you will go through the BK casting procedures normally used in your practice; you will gather relevant information from the patient/model and explain what you are doing and why you are doing it. While you are casting and measuring, you will demonstrate and explain the relevant features of the cast and landmarks on the residual limb and explain what you will do with them. Regardless of casting technique, you will take at least four standard measurements traditionally taken in plaster casting technique. You will also explain to the patient/model what will happen next time you meet during the fitting and alignment session.
3. The following is not taped: You are now to pour and modify the cast and to fit and align the socket-pylon foot. We will assume that you have created an optimal fit and alignment for your patient/model. Once you have achieved optimal fit and alignment, you will arrange another taping session under the following conditions:
4. Your patient/model will be present in your fitting room. You will appear with the socket-foot attached to an adjustable jig or pylon. You will deliberately loosen all alignment screws and re-set the pylon such that the prosthesis is improperly aligned in the M/L plane.
5. Be sure that you do not align the prosthesis such that you cause harm to the patient. You will explain what you have done and what gait deviation(s) you can expect. Point out the deviations as the patient walks. With the camera running, correct the M/L deviation on the patient so that the gait and alignment are optimal. NOTE: Shoot M/L deviations straight on with the video camera. (See diagram below.)



6. Next, align the prosthesis with an A/P deviation. Make sure that the alignment changes do not harm the patient. Explain what you have done and what gait deviation(s) you can expect. Point out the deviations as the patient walks. With the camera running, re-align the prosthesis on the patient such that gait and alignment are optimal. NOTE: Shoot A/ deviations 90° to the side with the video camera. (See diagram below.)



### **Evaluation Criteria**

Three trained video reviewers, who are experienced certificant, will independently review each video and evaluate each procedure using the following criteria:

#### **Casting Criteria**

- preparing patient for procedure
- identifying basic landmarks and pressure points
- selecting appropriate interface material
- applying casting material properly
- taking and explaining appropriate measurements
- positioning patient's residual limb properly for procedure
- removing casting material appropriately
- explaining procedures to patient as performed
- explaining follow-up procedures
- explaining rationale for modifications

#### **Alignment Criteria**

- explaining A/P deviation effects
- explaining M/L deviation effects
- demonstrating correction of misalignments
- performing dynamic evaluation
- explaining procedures to patient as performed

### **VPE Submission**

When all the required procedures have been recorded, be sure to critically review your video. Once your media is finalized, send the original, three copies of the video, your signed video authentication form and consent forms for all patients/models who participated to BOC. Be sure to include your completed application, appropriate payment and other required information. Submit all requirements to:

BOC International  
Attn: Wendy Solomon, Certification Coordinator  
10451 Mill Run Circle, Suite 200  
Owings Mills, MD 21117

### **Notification**

BOC will notify you when we have received your VPE, and you will receive your VPE results six to eight weeks following your submission.