



TEST CONTENT OUTLINE

Orthotic/Prosthetic Technician

The Orthotic/Prosthetic Technician Exam Test Content Outline below is broken down by domain; each domain section indicates the percentage of emphasis that the elements of practice in that domain receives on the exam. For each Practice Domain listed on the Test Content Outline, you should plan on familiarizing yourself with clinical, technical or general practice information related to that domain.

Practice Domains

DOMAIN 1

Initiation of Treatment Plan — 6%

- Review physical assessment data provided by practitioner (e.g., height, weight, activity level, amputation level, diagnoses, measurements, prior orthosis/prosthesis usage) to determine technical requirements for the orthosis/prosthesis
- Consult with practitioner(s)/clinician(s) to confirm physical assessment data obtained (e.g., patient's condition/diagnosis, measurements, work order)
- Document technical treatment plan (including work order, layups, componentry, serial numbers) using established record-keeping techniques

DOMAIN 2

Biomechanics — 8%

- Determine fabrication requirements/technical criteria (e.g., static alignment of orthoses or prostheses)
- Verify function of orthosis and/or prosthesis (e.g., does it perform as required in all planes of motion)

DOMAIN 3

Implementation of the Treatment Plan — 4%

- Review range of motion requirements (e.g., varus/valgus, flexion, extension) of the individual to determine patient's orthotic/prosthetic technical needs
- Assist practitioner in procedure to obtain patient model (e.g., record measurements taken, hold body segment during casting) and demonstrate appropriate interaction with patients and caregivers
- Review assessment of fit of orthosis and/or prosthesis with regard to anatomical relationships to orthosis and/or prosthesis (e.g., trimlines, musculoskeletal anatomy, static/dynamic alignment) to make needed changes to initial treatment goals
- Ensure that therapeutic shoes/inserts are delivered as prescribed
- Document treatment using established recordkeeping techniques

DOMAIN 4

Materials, Componentry and Design — 18%

- Evaluate orthosis and/or prosthesis for structural integrity (e.g., are the materials used in the fabrication appropriate in regards to characteristics and properties)
- Adhere to manufacturer's conditions of use and/or specifications (e.g. identification of the need for repairs or replacement, warranties)
- Consult with manufacturing professionals, as required (e.g., regarding componentry, design limitations, new materials)

- Align orthosis and/or prosthesis for accuracy in sagittal, transverse and coronal planes in order to provide maximum function prior to initial fitting
- Participate in the assessment to determine an orthotic/prosthetic treatment plan (e.g., orthosis/prosthesis design such as solid ankle versus posterior leaf spring [PLS], patella tendon bearing [PTB] versus total surface bearing)
- Identify materials and components to support treatment plan
- Determine orthosis/prosthesis design requirements (e.g., structural requirements, device specific functional requirements)
- Verify that materials, design and components are provided as specified in the treatment plan
- Select materials/techniques necessary to create a positive patient mold (e.g., fiberglass, plaster, scan)

DOMAIN 5

Fabrication — 46%

- Consult with practitioners regarding fabrication requirements
- Modify patient model/image for fabrication
- Fabricate/assemble an orthosis and/or prosthesis to prepare for initial or diagnostic fitting and/or delivery
- Complete fabrication process after optimal fit and function of orthosis and/or prosthesis is achieved (e.g., convert test socket to definitive orthosis and/or prosthesis)
- Assess device for structural safety and ensure that manufacturers' guidelines have been followed prior to patient fitting/delivery (e.g., torque values, patient weight limits, manufacturers' guidelines)
- Verify and document final fabrication process (e.g., lamination materials, plastic thickness) using established record-keeping techniques

DOMAIN 6

Follow-Up — 8%

- Modify/adjust orthosis and/or prosthesis, as necessary, to maintain optimal function
- Repair orthosis and/or prosthesis, as necessary
- Document modifications/adjustments/repairs
- Participate in the development of long-term service plan and communicate information related to cleaning, lubrication and maintenance to practitioner, patient or caregiver

DOMAIN 7

Facility Management — 6%

- Maintain a safe and professional environment (e.g., ABC facility accreditation standards)
- Perform scheduled machines and equipment maintenance and calibration
- Document service of machines and equipment (e.g., maintenance logs)

DOMAIN 8

Professional Responsibility — 4%

- Adhere to applicable local, state and federal laws and regulations (e.g., OSHA, FDA)
- Follow patient care guidelines and procedures (e.g., ABC's Code of Professional Responsibility, ABC Orthotic, Prosthetic and Pedorthic Scope of Practice, quality control program)