

# CONTINUING EDUCATION PROGRAM CATALOG

## COURSE INFORMATION

### **Advanced Concepts in Prosthetic Feet**

This one hour intermediate level course for PT/PTA, OT/OTA, RN, Case Managers and other health care professionals discusses a very brief history of prosthetic feet and reviews the function of the anatomical foot and ankle during the phases of the gait cycle. This anatomical review will assist in understanding how the latest advancements in prosthetic foot/ankle design are attempting to replicate anatomical function. The course presents current advancements in prosthetic feet including: Overload Springs, Passive Motion Feet, Microprocessor Feet (MPF) and Powered Feet.

AOTA Classification Codes: Domain of OT: Client factors; activity demands; and OT Process: Intervention

### **Ankle Foot Orthoses: Patient Evaluation and Design Criteria**

This one hour introductory level course for PT/PTA, OT/OTA, RN, SW, Case Managers and other health care professionals provides an introduction to lower extremity orthotic treatment programs. AFO's have evolved from a two-dimensional linear approach to a three-dimensional volumetric approach with the use of various thermoplastics. This presentation presents a variety of topics for discussion, leading the participants through the entire orthotic treatment program. The goal is to promote a multi-disciplinary approach to patients in

need of lower limb orthotic rehabilitation programs.

AOTA Classification Codes: Domain of OT: Occupations, Performance Skills, Performance Patterns; OT Process: Interventions, Activity Demands, Occupational Demands; Professional Issues: OT Education

### **Clinical Decision Making for Upper Limb Prosthetics**

This one hour intermediate level course for PT/PTA, OT/OTA, RN, Case Managers will discuss how the impact of the loss of an arm, hand or digits cannot be overstated. This loss of aesthetic appearance, proprioceptive feedback, tactile sensation and fine, coordinated movements can only be replaced to a limited extent by a prosthetic device. Rehabilitation strategies and prosthetic component prescriptions should be patient centered with concentrated efforts to maximize function. The overall goal of amputation rehabilitation is to optimize the patient's health, function, independence and quality of life. The focus of this presentation will be the clinical decision making process for adults with unilateral transradial or transhumeral level limb loss. With the knowledge gained from this presentation, the therapist will be a valuable asset to the prosthetist, working as a team to maximize the patient's functional outcome.

AOTA Classification Codes: Domain of OT: Client Factors; OT Process: Evaluation; OT Process: Intervention

## **Congenital Muscular Torticollis and the Orthotic Management of Cranial Asymmetry**

This two hour introductory level course for PT/PTA, OT/OTA, RN, Case Managers and other health care professionals offers a brief review of congenital muscular torticollis (CMT) and cranial asymmetry (CA) for the infant population. The intent is to have the therapist participant better understand the relationship between CMT, CA and developmental milestones. The use of cranial remolding orthoses in this population is also addressed. Knowing when to monitor an infant and when to refer them to other medical professionals requires an ability to recognize CMT, identify early CA and distinguish it from craniosynostosis as well as diagnose improvement or worsening of head asymmetry. The course highlights the importance of establishing an interdisciplinary craniofacial team comprised of several skilled health care providers with experience evaluating and treating infants with CA and CMT. It will aid in early identification and choosing treatment interventions which ultimately provides patients in the community optimal care.

AOTA Classification Codes: Domain of OT: Client Factors; OT Process: Evaluation and Intervention

## **Cranial Asymmetries: More than Circumference Measurements**

This one and a half hour introductory level course for nurse's, nurse practitioners and other health care provider's is designed to deepen the understanding of and ability to assess for deformational plagiocephaly. It

will build upon their present responsibility for taking cranial measurements and equip them to assess the patient's degree of asymmetry and/or disproportion and referral options. It will build their understanding of the different types and causes of skull deformities and potential care pathways.

AOTA Classification Codes: Domain of OT: Client Factors; OT Process: Evaluation and Intervention

## **Fracture Orthoses**

This one hour introductory level course for PT/PTA, OT/OTA, RN, Case Managers and other health care professionals provides an overview of fracture classifications, biomechanical principles of orthotic intervention, appropriate orthotic selection and treatment protocols. The objective is to educate the attendees on appropriate orthotic selection for various fracture classifications and the benefits of orthotic intervention vs. traditional casting procedures.

AOTA Classification Codes: Domain of OT: Activity Demands; Client Factors; and OT Process: Intervention

## **Improving Transfemoral Amputee Gait: A Step in the Right Direction**

This one hour introductory level course for PT/PTA, OT/OTA, RN, Case Managers and other health care professionals discusses whether a prosthetic gait deviation caused by an alignment problem with the prosthesis, a poor gait habit adopted by the amputee, or a muscular/joint weakness that can be corrected by strengthening exercises. This presentation identifies the most

common gait deviations for transfemoral lower extremity amputees and reviews their causes, effects, and corrections. The presentation will feature digital video examples of the gait deviations as well as demonstrations of the methods of correcting the challenge.

AOTA Classification Codes: Domain of OT: Areas of Occupation, Client Factors, Activity Demands, Context and Environment; OT Process: Evaluation, Intervention, Outcomes.

### **Improving Transtibial Amputee Gait: A Step in the Right Direction**

This one hour introductory level course for PT/PTA, OT/OTA, RN, Case Managers and other health care professionals discusses whether a prosthetic gait deviation is caused by an alignment problem with the prosthesis, a poor gait habit adopted by the amputee, or a muscular/joint weakness that can be corrected by strengthening exercises. This presentation identifies the most common gait deviations for transtibial lower extremity amputees and reviews their causes, effects, and corrections. The presentation will feature digital video examples of the gait deviations as well as demonstrations of the methods of correcting the challenge.

AOTA Classification Codes: Domain of OT: Occupations, Performance Skills, Context and Environment; OT Process: Evaluation, Intervention, Outcomes.

### **Introduction to Prosthetic Feet: Finding the Foot that Fits**

This one hour introductory level course for PT/PTA, RN, Case Managers and other health care professionals focuses on

relating prosthetic foot design and function to the characteristics of anatomic foot and ankle tasks necessary for ambulation. The course will review the names and distinguishing functional characteristics of categories of prosthetic feet as defined by the Medicare Functional K-Level System. A few componentry enhancements will be presented to demonstrate how these augmentations help to supplement prosthetic foot function for certain K-level users.

### **Introduction to Prosthetic Knees**

This one hour introductory level course for PT/PTA, OT/OTA, RN, Case Managers and other health care professionals will provide a complete introduction and overview of prosthetic knees and review the fundamentals of proper application. This review will focus on common reasons for knee failure as well as how to evaluate and determine the appropriate knee type and design for individual patients. Various types, styles and functions of prosthetic knees will be presented.

AOTA Classification Codes: Domain of OT: Occupations, Client Factors, Performance Skills, Performance Patterns; OT Process: Evaluation, Intervention, Activity and Occupational Demands

### **Lower Limb Prostheses, Design to Ambulation**

This one hour introductory level course for PT/PTA, OT/OTA, RN, Case Managers and other health care professionals provides a detailed overview of the process of prosthetic design from the first patient evaluation through to the final fitting of the

definitive prosthesis. Special focus will be on the specific steps where the therapist can provide input and assistance to the prosthetist to ensure all aspects of the patient's needs are being met.

AOTA Classification Codes: Domain of OT: Client Factors; Activity demands; OT Process: Intervention

### **Microprocessor Knee Design**

This one hour introductory level course for PT/PTA, OT/OTA, RN, Case Managers and other health care professionals introduces and reviews the application of the microprocessor swing and stance knee mechanism. With the aid of digital video the presentation will provide insight to the features and benefits of the microprocessor knee with regard to patient stability, security, function and activities of daily living. The presentation will review the patient evaluation process to determine the appropriate and optimum candidate for this technology.

AOTA Classification Codes: Domain of OT: Occupations, Performance Skills, Performance Patterns, Client Factors; OT Process: Evaluation, Intervention, Activity and Occupational Demands.

### **Orthotics and Prosthetics Introduction for Case Managers**

This one hour introductory level course for PT/PTA, OT/OTA, RN, SW, Case Managers and other health care professionals provides an introduction and overview of orthotic and prosthetics specifically for the case manager. This presentation will review the basics of orthotic and prosthetic services and products with regard to L-

codes, functional levels and patient utilization. Basic orthotic devices will be reviewed with a focus on how to determine the most appropriate style and type of device for the individual's needs. The prosthetic portion will review prosthetic functional levels, patient activities of daily living and prosthetic component options to determine the optimum and most cost effective options for each patient.

AOTA Classification Codes: Domain of OT: Client Factors and Activity Demands

### **Orthotic Applications in Sports Medicine**

This one hour introductory level course for PT/PTA, OT/OTA, RN, SW, Case Managers and other health care professionals will identify the most common injuries and orthotic treatment methods for the ankle, knee, elbow and shoulder. Focus will be on the patient evaluation process and the various orthotic options to ensure the appropriate orthosis is utilized to maximize stability, function and rehabilitation outcomes.

AOTA Classification Codes: Domain of OT: Areas of occupation; activity demands; OT Process: Intervention

### **Outcome Measures in Lower Limb Prosthetics: Empowering through Mobility**

By utilizing validated mobility outcomes for lower limb prosthetic patients, health care teams can empower patients to understand and participate in their own care leading to higher satisfaction. This introductory level course designed for PT/PTA's, OT/OTAs, Nurses and Case Managers teaches on new methodology on collecting outcomes,

utilizing the Prosthetic Limb Users Survey of Mobility (PLUS-M) self-reporting instrument. This course ensures the learner understands patient and output research trends, and more specifically, how health care teams can collaborate with physicians and patients alike to improve patient care. The course includes lecture and sample patient case studies to review best practices as a team, and an example of how a large prosthetic care company is using outcomes in everyday care.

### **Overview of Lower Limb Prostheses**

This one hour introductory level course for PT/PTA, OT/OTA, RN, Case Managers and other health care professionals reviews common terms associated with prosthetics and levels of amputation of the lower limbs. A generalized time line for the rehabilitation of an individual after lower limb amputation will be discussed. Aspects of creating a lower limb prosthetic design will be presented, including discussions of: user evaluation process; interface materials; types of suspension available; categories of prosthetic feet and knees; and additional components that may be incorporated into a prosthesis for maximized user outcomes. The course concludes with group discussion of three hypothetical patient profiles.

AOTA Classification Codes: Domain of OT: Client Factors; OT Process: Intervention

### **Overview of Spinal Orthoses**

This one hour introductory level course for PT/PTA, OT/OTA, RN, Case Managers and other health care professionals covers the most common adult and geriatric treatment modalities for the spine with a focus on the

devices themselves. Topics will cover the introductory information of nomenclature, components, trim lines, and distinguishing functional characteristics of common spinal devices as well as make distinctions between “custom fit” and “custom fabricated” orthoses.

AOTA Classification Codes: Domain of OT: Client Factors and Activity Demands

### **Overview of Upper Limb Prostheses**

This one hour introductory level course for PT/PTA, OT/OTA, RN, Case Managers and other health care professionals is a foundational overview of upper limb prosthetics that will serve as a good refresher course for the occupational and/or physical therapist to help guide them in the evaluation process. The focus of the presentation is the prosthetic options available for an individual with either transradial or transhumeral level upper limb loss, while clinical decision making will be discussed in another presentation. This presentation will discuss the benefits and limitations of the various prosthetic options in relation to the patient’s injury and goals. It is essential to remember that no one specific device will address all activities and goals of an individual. With the knowledge gained from this presentation, the therapist will be a valuable asset to the prosthetist, working as a team to maximize functional outcome.

AOTA Classification Codes: Domain of OT: Client Factors and Activity Demands; Occupational Therapy Process: Intervention

### **Postoperative Care Following Traumatic Amputation**

This introductory one hour course for PT/PTA, OT/OTA, RN, and Case Managers will discuss the many immediate and early postoperative prosthetic techniques available, with a focus on traumatic amputation. Understanding various treatment options, as well as their benefits and risks, will allow the most appropriate techniques to be applied to the user. A patient-centered rehabilitation plan is important to ensure the success of patients, and incorporating programs which support the patient through their emotional journey is just as critical. This course will explore resources for peer support and networks available for your trauma patient.

AOTA Classification Codes: Domain of OT: Client Factors; OT Process: Intervention

### **Postoperative Prosthetic Modalities for Lower Limb Amputation**

This one hour introductory level course for PT/PTA, OT/OTA, RN, Case Managers and other health care professionals discusses the many immediate and early postoperative prosthetic techniques available. Understanding the various treatment options, as well as their benefits and risks, will allow the most appropriate techniques to be applied to the user with a lower limb amputation as healing progresses. The categories of modalities presented are: soft dressings and compression therapy; removable rigid dressings (RRDs); and non-removable rigid dressings. The presentation ends with a review of important components of the total Rehabilitation Treatment Plan for the individual after a lower limb amputation; including: residual limb pain management; scar mobilization; psychological

adjustment; functional mobility; gait training; strengthening, stretching and balance activities; and aspects of patient/family education.

AOTA Classification Codes: Domain of OT: Client Factors; OT Process: Intervention

### **Primer on the Orthotic Trauma Patient**

This introductory one hour course for PT/PTA, OT/OTA, RN, and Case Managers presents an overview of orthotic management for the trauma patient. The course will discuss fracture management of the extremities and spine as well as traumatic injuries due to burns. The overall objective is to educate and familiarize attendees to various orthotic management solutions, the importance of the health care team, and patient support resources to provide you with optimal care solutions for your trauma patients

AOTA Classification Codes: Domain of OT: Client Factors; OT Process: Intervention

### **Prosthetic Interventions for the Individual with Partial Hand Loss**

This one hour intermediate level course for PT/PTA, OT/OTA, RN, Case Managers will discuss the number of options for individuals with partial hand loss which has increased in the past decade. This presentation provides occupational and physical therapist treating patients with partial hand loss a detailed overview of the prosthetic options available to them. The focus will be on identifying the advantages and features of these options, and more importantly, identifying which patients will most benefit from these devices.

AOTA Classification Codes: Domain of OT: Client Factors; OT Process: Evaluation; OT Process: Intervention

### **Scoliosis Orthotic Treatment Modalities: Adolescent Idiopathic Scoliosis (60)**

This one hour introductory level course for PT/PTA, OT/OTA, RN, SW, Case Managers and other health care professionals describes basic pathophysiology of scoliosis and its implications specifically for Adolescent Idiopathic Scoliosis (AIS). The Instructor will review the names and distinguishing functional characteristic of various devices, as well as identify common full-time and night-time orthoses used in the treatment of Adolescent Idiopathic Scoliosis. Specific devices presented are: Milwaukee CTLSO; Boston-type TLSO; Wilmington Orthosis; Hanger's Scoliosis Orthotic System; SpineCor Scoliosis System; Charleston Bending Brace and the Providence System.

AOTA Classification Codes: Domain of OT: Occupations; OT Process: Evaluation, Intervention.

### **Scoliosis Orthotic Treatment Modalities: Adolescent Idiopathic Scoliosis (90)**

This one and a half hour introductory level course for PT/PTA, OT/OTA, RN, Case Managers and other health care professionals describes basic pathophysiology of scoliosis and its implications specifically for Adolescent Idiopathic Scoliosis (AIS). The instructor will review the names and distinguishing functional characteristic of various devices, as well as identify common full-time and night-time orthoses used in the treatment

of AIS. Specific devices presented are: Milwaukee CTLSO; Boston-type TLSO; Wilmington Orthosis; Hanger's Scoliosis Orthotic System; SpineCor Scoliosis System; Charleston Bending Brace and the Providence System. A more in-depth discussion on analysis of radiographs including: determination of skeletal growth; determining vertebral rotation; assessing scoliotic curve flexibility; and Cobb Method.

AOTA Classification Codes: Domain of OT: Occupations; OT Process: Evaluation, Intervention.

### **Stance Control Orthoses**

This one hour introductory level course for PT/PTA, RN, Case Managers and other health care professionals will provide an overview of the new orthotic stance control technology. Included are appropriate patient selection criteria, benefits of stance control vs. locked knee orthoses, and componentry features, benefits, and unique characteristics. This presentation is designed to educate physicians, allied health care providers, case managers, and patients on the benefits of this new technology and the necessity of a multi-disciplinary approach to treatment modalities.

### **CE REQUIREMENTS**

All attendees are required to attend the entire session, sign in at the beginning of the course and at the end of the course. In addition to attending the entire session, social workers must also fill out a course evaluation to earn credit.

Throughout the presentation, learning outcomes will be assessed through instructor interaction, attendee's participation and verbal responses to Q & A unless a written assessment is required by an applicable approving State Board or Organization.

Hanger Clinic strives to make our learning environments fully accessible and want to provide our guests with an opportunity to identify special needs in advance of the course. Please contact your local course coordinator.

Hanger Clinic has received approval through the below accreditation bodies, state boards and associations. Certificates issued will provide each participant with appropriate information and approval numbers. Specific course approvals change yearly, so please check-in with your local course coordinator for state-specific course approvals.

- Arkansas State Board of Physical Therapy
- American Occupational Therapy Association (AOTA)
- CA Board of Registered Nursing
- Commission for Case Manager Certification
- Florida Board of Nursing
- Florida Board of Occupational Therapy
- Florida Board of Orthotists and Prosthetists
- Florida Board of Physical Therapy Practice

- Louisiana Physical Therapy Board (2+ hr. courses only)
- Maryland Board of Physical Therapy Examiners
- Minnesota Board of Physical Therapy
- Mississippi State Board of Physical Therapy
- Missouri Physical Therapy Association
- National Association of Social Workers
- New Jersey State Board of Physical Therapy Examiners
- New Mexico Board of Examiners for Occupational Therapy
- New Mexico Physical Therapy Board
- Ohio Physical Therapy Association (OPTA)
- New York State Education Department's State Board of Physical Therapy
- Oklahoma Board of Licensure and Supervision – Physical Therapy
- Pennsylvania State Board of Physical Therapy
- Physical Therapy Board of California
- State of Illinois Department of Financial and Professional Regulation – Physical Therapy
- State of West Virginia Board of Examiners for Registered Professional Nurses
- Texas Board of Physical Therapy Examiners

See accreditation document for detailed information.

AOTA

Hanger Clinic is an AOTA approved provider



of occupational therapy continuing education. The assignment of AOTA CEUs does not imply endorsement of specific courses, products, or clinical procedures by AOTA. Please note AOTA credits only apply to those courses that meet all AOTA requirements.