

Prosthetic Management for Therapy Professionals and Providers
October 15-17, 2024

Overview

Prosthetic Management for Therapy Professionals is a comprehensive four-day course that covers the essential knowledge and skills needed to collaborate with an interprofessional clinical team providing prosthetic care. The course is taught using an interprofessional framework offering the perspectives of physicians, physical therapists, occupational therapists, and prosthetists/orthotists. The clinical faculty is complemented by patient models that enable the faculty to demonstrate core principles while providing their unique view on prosthetic care. The course is delivered using lectures, clinical demonstrations, and interactive mock clinics where the audience will be able to interact with the patient models and clinical experts as they evaluate and formulate patient care plans. Core concepts will be reviewed including normal human locomotion, motor control, materials science, biomechanics, surgical considerations, pre/post-operative care, patient assessment, prosthetic prescription development, and therapy care plans. Our distinguished course faculty is comprised of board-certified physicians, physical/occupational therapists, and prosthetist/orthotists engaged in education, clinical practice, and research.

Agenda

Day 1 - Foundations of Prosthetic Management (7.0 Hours)

Tuesday, October 15, 2024

8:00-8:15	Orientation	Mr. Robinson
8:15-9:00	Interdisciplinary Prosthetic Care Principles	Mr. Robinson / Dr. Lopez-Rosado
9:00-9:10	<i>Break</i>	
9:10-10:25	Motor Control and Movement Science Core Principles	Dr. Deming-Hedmon
10:25-10:40	<i>Break</i>	
10:40-12:00	Normal Human Locomotion	Dr. Gard
12:00-1:00	<i>Lunch</i>	
1:00-1:40	Principles of Materials Science	Mr. Robinson
1:40-1:50	<i>Break</i>	
1:50-3:35	Principles of Amputation Surgery	Dr. Ertl
3:35-3:50	<i>Break</i>	
3:50-4:40	Post-operative Care for the Patient with Limb Amputation A Prosthetist's Perspective	Mr. Robinson

Day 2 – Lower Limb Prosthetic Care: Therapy Applications and Clinical Principles – Part I (7.25 Hours)

Wednesday, October 16, 2024

8:00 – 8:45	Pre-Prosthetic Therapy for the Patient with Lower Limb Amputation	Dr. VanVeld
8:45 – 9:15	Pre-Prosthetic Therapy Clinical Demonstrations	Dr. VanVeld
9:15-9:30	<i>Break</i>	
9:30 –10:30	Prosthetic Feet	Mr. Hasso
10:30 – 10:40	<i>Break</i>	
10:40 – 11:30	Prosthetic Management at the Symes/Partial Foot Levels	Mr. Robinson
11:30 – 12:30	<i>Lunch</i>	
12:30 – 1:55	Transfemoral Prosthetic Care: Biomechanics and Prescription	Mr. Hasso

1:55 – 2:05	<i>Break</i>	
2:05– 3:30	Transfemoral and Proximal Prosthetic Care: Biomechanics and Prescription	Ms. Beattie
3:30 – 3:40	<i>Break</i>	
3:40 – 4:30	Prosthetic Care of Persons with Lower Limb Amputation Model Demonstrators and Case Series	Mr. Hasso / Ms. Beattie

Day 3 AM – Lower Limb Prosthetic Care: Therapy Applications and Clinical Principles – Part II (3.5 Hours)

Thursday, October 17, 2024 - MORNING

8:00-8:50	Prosthetic Gait Training and Functional Mobility	Dr. Meintz / Dr. Stoop
8:50-9:00	<i>Break</i>	
9:00 – 10:00	Transtibial Gait Deviations and Therapy Considerations	Dr. Meintz / Dr. Stoop
10:00-10:15	<i>Break</i>	
10:15-11:15	Transfemoral Gait Deviations and Therapy Considerations	Dr. Meintz / Dr. Stoop
11:15-11:50	Therapy for Persons with LLA: Demonstrations and Lab	Dr. Meintz / Dr. Stoop

Day 3 PM – Upper Limb Prosthetic Care: Therapy Applications and Clinical Principles (3.75 Hours)

Thursday, October 17, 2024 - AFTERNOON

1:00 – 1:45	Pre-Prosthetic Therapy for the Patient with Upper Limb Amputation	Dr. Turner
1:45-1:55	<i>Break</i>	
1:55 – 2:40	Body-Powered Prosthetic Management and Harnessing	Mr. Socie
2:40 – 2:25	Therapy Foundations for Patients with Body Powered Prostheses	Dr. Turner
2:25-2:40	<i>Break</i>	
2:40-3:25	Externally Powered Applications for Upper Limb Prosthetic Care	Mr. Socie
3:25 – 4:10	Therapy Foundations for Patients with External Powered Prostheses	Dr. Turner
4:10 – 4:25	<i>Break</i>	
4:25-5:15	Therapy for Persons with ULA: Demonstrations and Lab	Dr. Turner / Mr. Socie