Material Matters: The Substance and Design of Custom Manual Wheelchairs

DATE & TIME:

LOCATION:

CONTACT:

PRESENTER:

TARGET AUDIENCE
This program is designed for Occupational Therapists, Occupational Therapy Assistants, Physical Therapists, Physical Therapist Assistants, Assistive Technology Professionals, and Medical Suppliers/Providers.

COURSE OVERVIEW
The materials used in complex rehab technology (CRT) are sophisticated and varied. Clinicians and ATPs recommend CRT for their patients every day, and the composition of this equipment has a direct impact on the patients’ health, functional performance, physical experience, and overall quality of life. Clinical decision making should include a more in depth understanding of the materials that make up the equipment selected. Yet, many clinicians and ATPs have had a lack of in-depth training and experience with these materials due to insufficient emphasis in current trainings and courses, productivity demands of the clinic, and an ever-changing industry involving improving technologies and materials. This 60 minute live lecture will address how materials are designed, used and combined in CRT to improve the lives of wheelchair end-users and to provide an extensive look at materials that are typically incorporated into manual wheelchairs. Materials such as plastics, steel, aluminum, titanium, and carbon fiber will be reviewed, with an emphasis on the complexities and variations that exist within these deceptively general material descriptions. By the end of the course, clinicians and providers will have an improved ability to recognize different materials associated with individually configured ultra-light weight manual wheelchair design and be able to discuss significant advantages and disadvantages of each material.

LEVEL— Intermediate | INSTRUCTIONAL METHOD— Lecture | Discussion | Clinical Applications | Demonstration | Video | Case Examples

CEU OBJECTIVES
By the end of the presentation, participants will be able to:
1. Compare 4 materials commonly used in making individually configured manual wheelchairs and the effect the materials have on weight, durability, longevity, and vibration.
2. Recognize how 3 materials used in making individually configured manual wheelchairs effect daily function utilizing an International Classification of Functioning, Disability and Health (ICF) model approach.
3. Explain at least 3 relevant health and safety hazards considered when manufacturing individually configured manual wheelchairs associated with the ISO wheelchair CRT standards that are intended to protect the end user.
4. Discover 2 funding considerations when procuring a seating and mobility device with optimal materials relative to how those materials are medically necessary for the user.
AOTA CLASSIFICATION CODE(S)— Category 2: Occupational Therapy Process

STATEMENT OF CLINICAL RELEVANCE
Content of the activity directly relates to the scope of practice of occupational and physical therapy as defined by the American Occupational Therapy Association (AOTA) and the American Physical Therapy Association (APTA). Visit our website www.permobilus.com for more details.

COMPLETION REQUIREMENTS
In order to obtain CEU/CCU credits, participant must attend the entire course, sign in and out, and complete an on-line course assessment following completion of the course.

OUTLINE

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CONTACT HOURS— 1 | CEU— 0.1

FEE
The Permobil Academy does charge a fee for live courses, when 0.3 or more CEUs (3 contact hours) are provided. Please check the individual course publication for the specific fee information.

CANCELLATION POLICY
Please visit www.permobilus.com for the Permobil Academy cancellation policy.

ADA STATEMENT
Permobil Academy complies with the legal requirements of the Americans with Disabilities Act and the rules and regulations thereof. If any participant in this educational activity is in need of accommodations, please call 618-222-3603.

QUESTIONS
Please contact:

This course content is not intended for use by participants outside the scope of their license or regulation.

ProCert has awarded certification in the amount of 1 Continuing Competence Units (CCUs) to this activity. CCUs are a unit of relative value of an activity based on its evaluation against a rigorous and comprehensive set of standards representing the quality of an activity. The CCU determination is a valuation applying many factors including, but not limited to, duration of the activity. No conclusion should be drawn that CCUs correlate to time (e.g. hours).

Permobil Academy has been reviewed and approved as an AOTA Approved Provider by The American Occupational Therapy Association, Inc., 4720 Montgomery Lane, Bethesda, MD 20814. Permobil Academy has awarded .1 AOTA CEUs to participants who successfully complete this program. The assignment of AOTA CEUs does not imply endorsement of specific course content, products, or clinical procedures by AOTA. Permobil Academy is a division of Permobil, Inc.