Material Matters: The Substance and Design of Custom Power 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 clients every day, and the composition of this equipment has a direct impact on the clients’ 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 extensive training and experience with these materials due to insufficient emphasis in current trainings and courses, productivity demands of the rehab 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 clients and provide a comprehensive look at materials that are typically incorporated into power wheelchairs. Materials such as plastics, rubbers, gels, steel, aluminum, and copper 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 will have an improved ability to recognize different materials associated with individually configured power 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. Distinguish the specific materials used to fabricate the chassis and actuators of a power wheelchair including the differences in integrity and function of the selected material.
2. Compare the difference between linear and non-linear suspension springs used in power wheelchairs used in suspension spring fabrication.
3. Identify 3 implications of material choice and design in individually power wheelchair recommendations on the safety associated with the ISO wheelchair CRT standards that are intended to protect the end user.
4. Describe at least 3 other materials used in the fabrication and design of an individually configured power wheelchair necessary to improve function utilizing the ICF model approach.
5. Discover 2 funding considerations when procuring an individually configured power 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 | CEUS— 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:

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