Title: Prevention of ICU-Acquired Weakness and Treatment in the ICU and Beyond

Presenters:
Meghan Church, PT, DPT (BIDMC)
Melissa Aloisi PT, DPT (BIDMC)
Katherine Krauthamer PT, MSPT (MGH).
Jessica Wilson, PT (MGH)
Stacey Zalanowski, PT (Spaulding)

Course Description:
The safety, feasibility and benefits of early mobility in the ICU have been highly proven in the literature. Physical therapists are at the forefront of this movement and culture change. In conjunction with the theme of outcomes based physical therapy, our lecture will help to guide PTs in developing new treatment ideas with the use of supplemental equipment for both safely mobilizing patients and promoting strength training.

Working collaboratively with other hospitals, we will present a variety of supplemental equipment that is utilized to promote early mobility and reduce detrimental effects of ICU acquired weakness. Each facility will have two presenters to discuss one to two different pieces of equipment utilized in their facility. Each piece of equipment will be presented to include: purpose, appropriate populations of patients for use, indications, contraindications, treatment ideas and a short case study with video to demonstrate use. We will allow time for each presenter to respond to questions specific to their presentation.

Speakers will be encouraged to contact the vendors of the presented equipment to participate in the vendor fair. This will allow attendees to trial equipment and obtain additional information. We will recommend that this clinical education session take place before the vendor fair; we understand that this may not be possible.

Course Learning Objectives
1. Participants will identify barriers to mobilizing patients in the ICU.
2. Participants will determine when a patient is appropriate for use of supplemental equipment to maximize functional outcomes.
3. Participants will compare and contrast benefits of supplemental equipment use in the ICU.
4. Participants will evaluate need for supplemental equipment in current workplace.
5. Participants will trial supplemental equipment during vendor fair.

Instructional Level: Intermediate
Tentative Outline of time and content:

The breakdown of the presentation is as follows:

* 2 min introduction of presenters
* 5 min what ICU-acquired weakness is, diagnosis and outcomes
* 15 min using safe patient handling equipment (leg straps for therex, sheets for rolling, slings for EOB balance)
* 15 min Motomed
* 15 min Moveo
* 15 min Sabina
* 20 min Estim with Motomed and BWS

Key References


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