

*Division of Pulmonary & Critical Care Medicine and
Department of Physical Medicine & Rehabilitation Present...*

JOHNS HOPKINS ADULT ICU REHABILITATION FOUNDATIONS COURSE (ONLINE ONLY)



GENERAL INFORMATION

DESCRIPTION

The online Adult ICU Rehabilitation Foundations Course has 17 recorded presentations and is divided into 4 themes:

- (1) Rationale and Evidence for Early Rehabilitation,
- (2) Implementing and Sustaining an ICU Rehabilitation Program,
- (3) Specialized Assessment and Intervention, and
- (4) Medical Interventions.

This course is designed to provide foundational knowledge that is essential for effective collaboration and coordination needed to facilitate early mobility and rehabilitation in the intensive care unit (ICU) setting. This course aims to breakdown 'silos' among critical care and rehabilitation clinicians working in the ICU, through interdisciplinary education. Moreover, the course provides insights into creating an ICU culture based on proactive rehabilitation and interdisciplinary collaboration between all critical care and rehabilitation clinicians.

The Adult Foundations course has 5.5 hours of recorded presentations, with an accompanying pdf copies of presentation slides (excluding copyright material and patient images). As its focus is on foundational material, the content of this course does not change from year to year. Hence, if you have attended this course in the past, there is no need to attend again.

This course is an essential platform for our annual "latest updates" conference: the 2-day Annual Johns Hopkins Critical Care Rehabilitation Conference. This 2-day Conference is offered exclusively via an in-person format at the Johns Hopkins Hospital (more information at www.ICURehabNetwork.org.)

WHO SHOULD ATTEND

This activity is intended for physical therapists, occupational therapists, speech-language pathologists, respiratory therapists, physiatrists, ICU physicians, physician assistants, nurse practitioners, and nurses.

OBJECTIVES

After attending this activity, the learner will demonstrate the ability to:

- Describe ICU-acquired muscle weakness and implications for long-term patient outcomes.
- Appraise the foundational evidence for early rehabilitation and mobility in critically ill adults.
- Describe and discuss how to change ICU culture and clinical practice to implement early rehabilitation programs for critically ill adults.
- Explain evidence, clinical practice, and interdisciplinary roles of nursing, physical therapy, occupational therapy, speech-language pathology, and respiratory therapy in an adult ICU rehabilitation program.
- Explain rehabilitation-related assessments and interventions for adult ICU patients.
- Explain the principles of clinical decision-making, including issues related to relevant medications, mechanical ventilation, medical devices and monitoring, for safe early rehabilitation in the ICU
- Describe the management of sedation and delirium, and related cognitive assessments and interventions, for adult ICU patients.

CONTINUING EDUCATION (CE) INFORMATION

This Foundations Course does **not** offer CE credits. On an individual basis, you may be able to self-submit to your own accreditation body for consideration of CE. Upon completion of the course, you will be given a certificate with relevant information that will assist with CE evaluation.

REGISTRATION INFORMATION

Register Online at:

<https://medicine.learnmore.jhu.edu/browse/icurehab>

Once you have registered, please create your account on learnmore.jhu.edu, and select the Course and complete your purchase. Once the purchase has been approved, you can start the Foundations Course. If you have questions regarding registering for the Course, please contact JHOnline@jhmi.edu

COURSE DURATION

The Course will remain accessible for 180 days after registration. Please review all presentations and download all pdf handouts prior to course expiration date.

FEES & \$100 COUPON

The cost of the foundations course is **\$125**. Within the introductory presentation to the course, we provide a coupon code for **\$100** discount off the Regular registration cost of the Annual Johns Hopkins Critical Care Rehabilitation Conference (exclusively in-person format at the Johns Hopkins Hospital). This coupon is a discount from the Regular registration price and is valid for use from July 1, until September 30.

Welcome and Course Goals by Kelly Casey, OTD, OTR/L, BCPR, ATP, CPAM

Session 1: *Rationale and Evidence for Early Rehabilitation*

ICU-Acquired Weakness and Long-Term Patient Outcomes

Dale Needham, FCPA, MD, PhD

Culture Change to Promote Early Rehabilitation in the ICU

Jennifer Zanni, PT, DScPT, CCS

Safety Criteria for Rehabilitation of ICU Patients

Jennifer Zanni, PT, DScPT, CCS

The Evidence for Early Rehabilitation in the ICU

Dale Needham, FCPA, MD, PhD

Overview of Sedation and Delirium Issues

Karin Neufeld, MD, MPH

Cognition and Delirium: Assessment and Intervention

Kelly Casey, OTD, OTR/L, BCPR, ATP, CPAM and
Therese Kling-Cole, MA, CCC-SLP, BCS-S

Session 2: *Implementing and Sustaining an ICU Rehabilitation Program*

Role of Physical Therapy

Kerry Lammers, PT, DPT, CCS, CCI

Role of Occupational Therapy

Kelly Casey, OTD, OTR/L, BCPR, ATP, CPAM

Role of Speech-Language Pathology

Therese Kling-Cole, MA, CCC-SLP, BCS-S

Role of Respiratory Therapy

Deadria Clarke, RRT

Role of Nursing

Sam Young, MS, RM

Session 3: *Specialized Assessment and Intervention*

Integrated Therapy Care in the ICU

Kelly Casey, OTD, OTR/L, BCPR, ATP, CPAM;
Deadria Clarke, RRT; Therese Kling-Cole, MA, CCC-SLP, BCS-S
and Kerry Lammers, PT, DPT, CCS, CCI

Functional Assessment Measures

Annette Lavezza, OTR/L and Daniel Young, PT, DPT, PhD

Advancing Mobility Through Safe Patient Handling

Danny Ludwig, PT, DPT, NCS

Session 4: *Medical Interventions*

Critical Care Medications

Kerry Lammers, PT, DPT, CCS, CCI

Understanding Mechanical Ventilation

Jennifer Zanni, PT, DScPT, CCS

Lines, Tubes, Drains, and ICU Monitoring Systems

Danny Ludwig, PT, DPT, NCS

COURSE PLANNERS

Dale Needham, FCPA, MD, PhD

Professor
Division of Pulmonary and Critical Care Medicine,
Department of Physical Medicine and Rehabilitation
Medical Director, Critical Care Physical Medicine and Rehabilitation Program
Johns Hopkins University School of Medicine

Kelly Casey, OTD, OTR/L, BCPR, ATP

Rehabilitation Therapy Manager
Director of the Johns Hopkins Acute Care
Occupational Therapy Fellowship
Johns Hopkins Hospital

Annette Lavezza, OTR/L

Director, Inpatient Therapy Services
Johns Hopkins Hospital

Victor Dinglas, MPH

Research Associate,
Johns Hopkins University School of Medicine
Assistant Director,
Outcomes After Critical Illness and Surgery (OACIS) Group
Johns Hopkins University School of Medicine

COURSE PRESENTERS

Kelly Casey, OTD, OTR/L, BCPR, ATP

Occupational Therapist
Rehabilitation Therapy Manager
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Baltimore, Maryland

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