

CONTINUING MEDICAL EDUCATION



DIVISION OF PULMONARY AND CRITICAL CARE MEDICINE  
AND DEPARTMENT OF PHYSICAL MEDICINE AND REHABILITATION  
present the

*Ninth Annual*  
**JOHNS HOPKINS CRITICAL CARE  
REHABILITATION CONFERENCE**

**November 5-7, 2020  
(Exclusively Virtual/Online Format)**



## PROFESSIONAL ASSOCIATIONS



AMERICAN  
SPEECH-LANGUAGE-  
HEARING  
ASSOCIATION

This conference is supported by the American Speech-Language-Hearing Association



**APTA**  
**Acute Care**  
An Academy of the American  
Physical Therapy Association

This conference is sponsored by the Academy of Acute Care Physical Therapy



**CARDIOVASCULAR & PULMONARY SECTION**

American Physical Therapy Association

This conference is sponsored by the Cardiovascular and Pulmonary Section of the American Physical Therapy Association



*We help the world breathe®*  
PULMONARY • CRITICAL CARE • SLEEP

This conference is endorsed by the American Thoracic Society

# GENERAL INFORMATION

## DESCRIPTION

Interdisciplinary collaboration and coordination is vital to facilitate early mobility and rehabilitation in the intensive care unit (ICU) setting. A recent stakeholders' conference aimed at improving long-term outcomes for ICU survivors identified important 'silos' among critical care and rehabilitation clinicians working in the ICU, with these 'silos' acting as a barrier to collaboratively advancing the field and improving patient outcomes. While clinical trials support the benefits of early rehabilitation for mechanically ventilated patients, implementing these interventions requires creating a new ICU culture based on proactive rehabilitation and interdisciplinary collaboration between all critical care and rehabilitation clinicians. This course will bridge the interdisciplinary gap from research to clinical implementation at the bedside.

## WHO SHOULD ATTEND

This activity is intended for Physical Therapists, Occupational Therapists, Speech Language Pathologists, Respiratory Therapists, Psychiatrists, ICU Physicians, Physician Assistants, Nurse Practitioners, Nurses, Psychologists, and Psychiatrists.

## SYLLABUS

The syllabus will be accessible online and via your mobile device in the CloudCME App prior to the activity. A link to the e-syllabus will also be made available to all registrants prior to the conference. **No printed syllabus will be provided.**

## COMMERCIAL SUPPORT

The Johns Hopkins School of Medicine did not solicit or receive commercial funding from any commercial entity, including pharmaceutical and medical device manufacturers, for this activity.

## POLICY ON PRESENTER AND PROVIDER DISCLOSURE

It is the policy of the Johns Hopkins School of Medicine that the presenter and provider globally disclose conflicts of interest. The Johns Hopkins School of Medicine OCME has established policies that will identify and resolve conflicts of interest prior to this educational activity. Detailed disclosure will be made prior to presentation of the education. For general information and speaker disclosure statements, please visit the activity webpage at: <https://hopkinscme.cloud-cme.com/default.aspx?P=0&EID=24982>

## LOCATION

**This Conference is entirely delivered in a virtual/online format.**

You will receive further information on how to access online content closer to the conference date via email.

## OBJECTIVES

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

- Appraise the evidence supporting early rehabilitation and mobility in critically ill adults and children.
- Describe and discuss how to change ICU clinical practice to implement early rehabilitation programs.
- Describe the management of ICU medications, devices (including mechanical ventilation and tracheostomy), and monitoring systems for rehabilitation of adult and pediatric ICU patients.
- Explain rehabilitation-related assessments and interventions suitable for adult and pediatric ICU and acute care patients.
- Describe strategies to engage critically ill patients and their families for activity and mobility, including communication and psychology-based strategies.
- Describe the impact and challenges of ICU survivorship on patients and their families, including Post-Intensive Care Syndrome (PICS) and care delivery in post-ICU critical care settings.
- Explain current practice and interdisciplinary roles of nursing, physical therapy, occupational therapy, speech language pathology, respiratory therapy, psychologists, and child life specialists in an adult and pediatric ICU rehabilitation program.
- Describe disease-specific rehabilitation strategies for critically ill patients.
- Describe an approach to feeding in pediatric ICU populations.
- Describe the management of sedation and delirium for adult and pediatric patients to promote ICU mobility.

## AMERICANS WITH DISABILITIES ACT

The Johns Hopkins School of Medicine fully complies with the legal requirements of the ADA and the rules and regulations thereof. Please notify us if you have any special needs.



# CONTINUING EDUCATION AND ACCREDITATION INFORMATION

## ACCREDITATION STATEMENT

The Johns Hopkins University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.



## CREDIT DESIGNATION STATEMENT

The Johns Hopkins University School of Medicine designates this live activity for a maximum of 18.75 *AMA PRA Category 1 Credits*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## PHYSICAL THERAPY

- The **New York State Education Department Office of the Professions** has approved Johns Hopkins University School of Medicine as a sponsor of continuing education for physical therapists and physical therapist assistants.
- The **North Carolina Physical Therapy Association** has approved this activity for 18.5 Contact Hours. Course Number: 20-005.
- The **Virginia Board of Physical Therapy** accepts *AMA PRA Category 1 Credits*<sup>™</sup> from organizations accredited by the ACCME.
- The **Tennessee Physical Therapy Association** has approved this activity for 1.8 CEU's/18 contact hours of Class 1 Continuing Education from 11/05/2020 – 11/04/2021. APTA Tennessee approval number is 2020-107.
- The **Illinois Chapter Continuing Education Committee** has certified that this course meets the criteria for approval of Continuing Education offerings established by Illinois Physical Therapy Association.
- The course has been approved by the **Maryland Board of Physical Therapy Examiners** for 1.8 CEUs.
- **New Jersey State Board of Physical Therapy Examiners:** This course was approved for 18.75 continuing education credits. NJBPTE Course Approval Number: 2004-22.
- Your educational provider application for JOHNS HOPKINS SCHOOL OF MEDICINE has been approved by the **Florida Board of Physical Therapy Practice**.
- The **Ohio Physical Therapy Association (OPTA)** has approved the following course for 18.25 hours of continuing education in Ohio. Approval Number: 20S1190
- **California: ACEND** has approved Ninth Annual Johns Hopkins Critical Care Rehabilitation Conference for 1.87 CEUs. Approved Provider Identification Number: ACE2050-01
- This activity has been approved by the **Texas Board of Physical Therapy Examiners** for 18.75 CCUs for PTs and PTAs. Course Approval 71989TX.
- **Pennsylvania:** This activity has been approved by the State Board of Physical Therapy

The following do not pre-approve CE courses. Licensees must self-report:

- **Connecticut State Department of Public Health**
- **Michigan Board of Physical Therapy**
- **Washington State Department of Health**

## HOW TO OBTAIN CREDIT

Post activity, an online evaluation will be available to attendees to evaluate the activity and individual presentations and to identify future educational needs. Upon completion of the evaluation, the learner must attest to the number of hours in attendance. Credits earned will be added to the learner's transcript and immediately available for print. **The last day to access the evaluation and attest to your credits is December 21, 2020.**

An outcome survey will be sent to all physician attendees within two months post activity to assist us in determining what impact this activity had on the learner's practice.

## OTHER CREDITS

- **American Nurses Credentialing Center (ANCC)** accepts *AMA PRA Category 1 Credits*<sup>™</sup> from organizations accredited by the ACCME.
- **American Academy of Nurse Practitioners National Certification Program** accepts *AMA PRA Category 1 Credits*<sup>™</sup> from organizations accredited by the ACCME.
- PAs may claim Category 1 credits for completing this activity.
- **National Commission on Certification of Physician Assistants (NCCPA)** accepts *AMA PRA Category 1 Credits* from organizations accredited by ACCME or a recognized state medical society.
- The Johns Hopkins University School of Medicine is an **AOTA** approved provider of continuing education. **AOTA** does not endorse specific course content, products, or clinical procedures. This activity has been approved for a maximum of 1.85 AOTA CEUs.
- The **American Speech-Language-Hearing Association (ASHA)** This program is offered for up to 1.80 ASHA CEUs (Various level; Professional area)



The Kennedy Krieger Institute is approved by the Continuing Education Board of the American Speech-Language-Hearing Association (ASHA) to provide continuing education activities in speech-language pathology and audiology. See course information for number of ASHA CEUs, instructional level and content area. ASHA CE Provider approval does not imply endorsement of course content, specific products or clinical procedures.

## PSYCHOLOGISTS

The Johns Hopkins University School of Medicine is authorized by the **Maryland State Board of Examiners of Psychologists** as a provider of continuing education. The Johns Hopkins University School of Medicine maintains responsibility for this program.

## PROFESSIONAL COUNSELORS AND THERAPISTS

This CE Program has been approved by the **Maryland Board of Professional Counselors and Therapists** for Category A CEUs.

# PAYMENT AND REGISTRATION INFORMATION

## FEES

**Registration Deadline: October 30, 2020**

### Registration Online:

[hopkinscme.cloud-cme.com/default.aspx?P=0&EID=24982](http://hopkinscme.cloud-cme.com/default.aspx?P=0&EID=24982)

**Methods of Payment:** We require full payment prior to the start of the activity.

## LATE FEE AND REFUND POLICY

The registration deadline is October 30, 2020. A handling fee of \$50 will be deducted for cancellation. An additional fee may apply for cancellation of other events, including workshops and social activities. Refund requests must be received by fax or mail by October 30, 2020. No refunds will be made thereafter. Transfer of registration to another Johns Hopkins activity in lieu of cancellation is not possible.

	Early Bird Pricing Until Sep 30, 2020	Regular Pricing After Oct 1, 2020
ICU Follow-Up Clinics Pre-Conference November 5, 2020	<b>\$245.00</b>	<b>\$295.00</b>
Pick 2 Foundations Courses November 5, 2020	<b>\$245.00</b>	<b>\$295.00</b>
Pick 1 Main Conference Track, AND 1 Foundations Course November 5-7, 2020	<b>\$425.00</b>	<b>\$495.00</b>
All conference content: Pre-Conference, AND 3 Foundations Courses, AND 2 Main Conference Tracks November 5-7, 2020	<b>\$670.00</b>	<b>\$790.00</b>

You will receive a confirmation by e-mail. If you have not received it by October 30, 2020, call (410) 502-9636 to confirm that you are registered. **A transcript of attendance will be available upon attestation of your credit hours and submission of the post activity online evaluation.**

The Johns Hopkins University reserves the right to cancel or postpone any activity due to unforeseen circumstances. In this event, the University will refund the registration fee.

## TO REGISTER OR FOR FURTHER INFORMATION

### Register online

[hopkinscme.cloud-cme.com/default.aspx?P=0&EID=24982](http://hopkinscme.cloud-cme.com/default.aspx?P=0&EID=24982)

Register by Phone.....(410) 502-9636  
 Register by Fax.....(866) 510-7088  
 Confirmation/Certificates/Transcripts...(410) 502-9636  
 General Information.....(410) 955-2959  
 E-mail the Office of CME.....[cmenet@jhmi.edu](mailto:cmenet@jhmi.edu)

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For website and CloudCME mobile app technical difficulties,  
 email: [cmtechsupport@jhmi.edu](mailto:cmtechsupport@jhmi.edu)

For general information, please visit the activity webpage at:  
[hopkinscme.cloud-cme.com/default.aspx?P=0&EID=24982](http://hopkinscme.cloud-cme.com/default.aspx?P=0&EID=24982)

# Thursday, November 5, 2020

## Simultaneous Tracks

### ICU Follow-Up Clinic Pre-Conference

- 7:15 - 8:10 **Poster Viewing Session**  
8:10 - 8:15 **Welcome and Conference Goals by Ann Parker, MD, PhD**

#### Session 1

##### *ICU Survivorship*

- 8:15 - 8:45 **Patient Interview**  
Tammy Eaton, MSN, RN, FNP-BC, ACHPN  
8:45 - 9:00 **Post-Intensive Care Syndrome (PICS)**  
Ann Parker, MD, PhD  
9:00 - 9:15 **Patient Expectations for Recovery**  
Alison Turnbull, DVM, MPH, PhD  
9:15 - 9:35 **Question and Answer**

#### Session 2

##### *Rationale and Palliative Care Considerations*

- 9:35 - 9:50 **Rationale for ICU Follow-Up**  
Carla Sevin, MD  
9:50 - 10:05 **Role of Palliative Care in ICU Follow-Up**  
Tammy Eaton, MSN, RN, FNP-BC, ACHPN  
10:05 - 10:20 **Question and Answer**  
10:20 - 10:50 **Break**

#### Session 3

##### *Clinician Roles in ICU Follow-Up Clinics*

- 10:50 - 11:05 **Role of Psychiatry**  
O. Joseph Bienvenu, MD, PhD  
11:05 - 11:20 **Psychologist's Experience**  
James Jackson, PsyD  
11:20 - 11:35 **Social Worker's Experience**  
Cynthia Reynolds, LCSW, LCAC  
11:35 - 11:50 **Role of the Pharmacist**  
Mike Kenes, PharmD, BCPS, BCCCP  
11:50 - 12:05 **Role of Physiatry**  
Miguel Escalón, MD, MPH, FAAPMR  
12:05 - 12:30 **Question and Answer**  
12:30 - 1:30 **Poster Viewing Session**  
1:30 - 2:00 **Break**

#### Session 4

##### *Clinician Roles and Experience in ICU Follow-up Clinics*

- 2:00 - 2:15 **Role of Physical Therapy**  
Jennifer Zanni, PT, DScPT, CCS  
2:15 - 2:30 **Occupational Therapist's Experience**  
Maria Shoemaker, OTR/L  
2:30 - 2:45 **Role of Speech Language Pathology**  
Martin Brodsky, PhD, ScM, CCC-SLP, F-ASHA  
2:45 - 3:00 **Challenges for Organizing a Follow-Up Clinic**  
Brad Butcher, MD  
3:00 - 3:20 **The Indiana University Experience**  
Babar Khan, MBBS  
3:20 - 3:45 **Question and Answer**  
3:45 - 4:15 **Break**

#### Session 5

##### *Experiences with ICU Follow-Up Clinics*

- 4:15 - 4:35 **The Vanderbilt Experience**  
Carla Sevin, MD  
4:35 - 4:55 **The University of Pittsburgh Experience**  
Brad Butcher, MD  
4:55 - 5:15 **The Geisinger Experience**  
Karen Korzick, MD, MA, FCCP, FACP  
5:15 - 5:45 **Panel Discussion and Question and Answer**  
5:45 - 5:50 **Day 1 Wrap-Up by Ann Parker, MD, PhD**

### Adult ICU Rehabilitation Foundations Course

- 7:15 - 8:10 **Poster Viewing Session**  
8:10 - 8:15 **Welcome and Conference Goals by Kelly Casey, OTD, OTR/L, BCPR, ATP, CPAM**

#### Session 1

##### *Rationale and Evidence for Early Rehabilitation*

- 8:15 - 8:30 **ICU-Acquired Weakness and Long-Term Physical Outcomes**  
Dale Needham, FCPA, MD, PhD  
8:30 - 8:50 **Culture Change to Promote Early Rehabilitation in the ICU**  
Jennifer Zanni, PT, DScPT, CCS  
8:50 - 9:05 **Safety Criteria for Mobilization of ICU Patients**  
Jennifer Zanni, PT, DScPT, CCS  
9:05 - 9:25 **Evidence for Early Rehabilitation in the ICU**  
Dale Needham, FCPA, MD, PhD  
9:25 - 9:40 **Overview of Sedation and Delirium in the ICU**  
Karin Neufeld, MD, MPH  
9:40 - 10:00 **Cognition and Delirium: Assessment and Intervention**  
Kelly Casey, OTD, OTR/L, BCPR, ATP, CPAM and  
Therese Kling-Cole, MA, CCC-SLP, BCS-S  
10:00 - 10:20 **Question and Answer**  
10:20 - 10:55 **Break**

#### Session 2

##### *Implementing and Sustaining an ICU Rehabilitation Program*

- 10:55 - 11:10 **Role of Physical Therapy**  
Kerry Lammers, PT, DPT, CCS, CCI  
11:10 - 11:25 **Role of Occupational Therapy**  
Kelly Casey, OTD, OTR/L, BCPR, ATP, CPAM  
11:25 - 11:40 **Role of Speech-Language Pathology**  
Therese Kling-Cole, MA, CCC-SLP, BCS-S  
11:40 - 11:55 **Role of Respiratory Therapy**  
Deadria Clarke, RRT  
11:55 - 12:10 **Role of Nursing**  
Sam Young, MS, RN  
12:10 - 12:30 **Question and Answer**  
12:30 - 1:30 **Poster Viewing Session**  
1:30 - 2:00 **Break**

#### Session 3

##### *Specialized Assessment and Intervention*

- 2:00 - 2:25 **Integrated Therapy Care in the ICU**  
Kelly Casey, OTD, OTR/L, BCPR, ATP, CPAM;  
Therese Kling-Cole, MA, CCC-SLP, BCS-S;  
Deadria Clarke, RRT; Kerry Lammers PT, DPT  
2:25 - 2:55 **Functional Assessment Measures**  
Annette Lavezza, OTR/L and Daniel Young, PT, DPT, PhD  
2:55 - 3:20 **Advancing Mobility Through Safe Patient Handling**  
Danny Ludwig, PT, DPT, NCS  
3:20 - 3:45 **Question and Answer**  
3:45 - 4:15 **Break**

#### Session 4

##### *Medical Interventions*

- 4:15 - 4:35 **Critical Care Medications**  
Kerry Lammers PT, DPT, CCS, CCI  
4:35 - 5:05 **Understanding Mechanical Ventilation**  
Jennifer Zanni, PT, DScPT, CCS  
5:05 - 5:25 **Lines, Tubes, Drains, and ICU Monitoring Systems**  
Danny Ludwig, PT, DPT, NCS  
5:25 - 5:45 **Question and Answer**  
5:45 - 5:50 **Day 1 Wrap-Up by Kelly Casey, OTD, OTR/L, BCPR, ATP, CPAM**

# Thursday, November 5, 2020

## Simultaneous Tracks

### Pediatric ICU Rehabilitation Foundations Course

- 7:15 - 8:10 **Poster Viewing Session**  
8:10 - 8:15 **Welcome and Conference Goals by Sapna Kudchadkar, MD, PhD and Julie Quinn, PT, MSED, PCS**

#### Session 1

##### *Pediatric ICU Rehab: Using The Evidence Base to Get Started*

- 8:15 - 8:35 **Peds ICU Rehab: Where We've Come and Where We're Headed**  
Sapna Kudchadkar, MD, PhD
- 8:35 - 8:50 **Changing PICU Culture: Creating the Multidisciplinary ICU Rehab Team**  
Judith Ascenzi, DNP, RN
- 8:50 - 9:10 **Optimizing Sedation in the PICU**  
Meghan Shackelford, MSN, CRNP-AC
- 9:10 - 9:30 **Creating a Healing PICU Environment: Sleep and Delirium Issues**  
Sean Barnes, MD, MBA
- 9:30 - 9:50 **Starting a PICU Early Mobilization Program: Getting to "Yes"**  
Beth Wieczorek, DNP, CRNP
- 9:50 - 10:05 **What Metrics Matter for PICU Early Mobility Program**  
Sapna Kudchadkar, MD, PhD and Julie Quinn, PT, MSED, PCS

- 10:05 - 10:20 **Question and Answer**  
10:20 - 10:55 **Break**

#### Session 2

##### *Therapy Champions: The Key to Success in Rehab for Critically Ill Children*

- 10:55 - 11:25 **The Collaborative Therapy Team: PT, OT, and SLP**  
Hallie Lenker, PT, DPT; Yun Kim, MS, OTR/L;  
Yiota Senekkis-Florent, PhD, CCC-SLP
- 11:25 - 11:40 **Starting an Augmentative and Assistive Communication Program**  
Yun Kim, MS, OTR/L and Emily Warren, MSN, RN, CCRN-K
- 11:40 - 11:55 **Optimizing Therapy Care Using Static Resources**  
Julie Quinn, PT, MSED, PCS
- 11:55 - 12:10 **Family Engagement: A Key Resource for ICU Rehab**  
Emily Carlton, CCLS
- 12:10 - 12:30 **Question and Answer**  
12:30 - 1:30 **Poster Viewing Session**  
1:30 - 2:00 **Break**

#### Session 3

##### *The Pediatric ICU Team: Translating Mobility Programs Into Practice*

- 2:00 - 2:20 **Supporting Team Research in PICU Rehab**  
Sapna Kudchadkar, MD, PhD and Julie Quinn, PT, MSED
- 2:20 - 2:40 **PICU Nurses as Early Rehab Champions**  
Emily Warren, MSN, RN, CCRN-K
- 2:40 - 2:55 **The Role of Child Life Specialists**  
Caroline Potter, MS, CCLS, CIMI
- 2:55 - 3:10 **Respiratory Therapy and Pediatric Mobility Programs**  
Krista Hajnik, BHSc, RRT-NPS and Stephanie Hazen, BSc, RRT-NPS
- 3:10 - 3:30 **Mobilizing the Complex Patient: Case Studies**  
Meghan Moore PT, DPT, NCS and Amy Bayliss, MS, OTR/L
- 3:30 - 3:45 **Question and Answer**  
3:45 - 4:15 **Break**

#### Session 4

##### *Nuts and Bolts: Key Logistical Issues in PICU Mobility*

- 4:15 - 4:35 **Critical Care Meds in Pediatrics**  
Sapna Kudchadkar, MD, PhD and Hallie Lenker, PT, DPT
- 4:35 - 4:55 **Optimizing Mobility Using Equipment and Positioning Aids**  
Hallie Lenker, PT, DPT and Julie Patterson, MSOT, OTR/L
- 4:55 - 5:35 **Case Studies: Putting It All Together**  
Sapna Kudchadkar, MD, PhD
- 5:35 - 5:50 **Question and Answer, Panel Discussion and Wrap-Up**

### Combating the Hospital Immobility Harm Foundations Course

- 7:15 - 8:10 **Poster Viewing Session**  
8:10 - 8:15 **Welcome and Conference Goals by Michael Friedman, PT, MBA**

#### Session 1

##### *Rationale and Evidence Supporting Hospital Mobility*

- 8:15 - 8:35 **The Rationale for Developing Formal Hospital Mobility Programs**  
Michael Friedman, PT, MBA
- 8:35 - 8:55 **Designing, Conducting, and Sustaining Quality Improvement**  
Dale Needham, FCPA, MD, PhD
- 8:55 - 9:10 **The Evidence Supporting Hospital Mobility**  
Erik Hoyer, MD
- 9:10 - 9:15 **Question and Answer**

#### Session 2

##### *Inter-Disciplinary Functional Measurement in the Hospital*

- 9:15 - 9:30 **Functional Measurement Strategy**  
Michael Friedman, PT, MBA
- 9:30 - 9:55 **JH-HLM and AM-PAC Principles and Properties**  
Daniel Young, PT, DPT, PhD
- 9:55 - 10:25 **AM-PAC and JH-HLM Implementation**  
Annette Lavezza, OTR/L
- 10:25 - 10:30 **Question and Answer**  
10:30 - 10:55 **Break**

#### Session 3

##### *Clinician Workflows*

- 10:55 - 11:15 **Johns Hopkins Daily Mobility Goal Calculator**  
Lisa Klein, MSN, RN, AGCNS-BC, CNRN
- 11:15 - 11:30 **Data Design – From Bedside to Electronic Health Record**  
Kelly N. Daley, PT, MBA
- 11:30 - 11:55 **The Role of Nursing**  
Eleni Flanagan, DNP, MBA, RN-BC
- 11:55 - 12:15 **Engaging Rehabilitation: Targeting Resources**  
Holly Russell, MS, OTR/L and John Probasco, MD
- 12:15 - 12:30 **Question and Answer**  
12:30 - 1:30 **Poster Viewing Session**  
1:30 - 2:00 **Break**

#### Session 4

##### *Barriers*

- 2:00 - 2:20 **Assessing Barriers**  
Jason Seltzer, PT, DPT and Eleni Flanagan, DNP, MBA, RN-BC
- 2:20 - 2:45 **Addressing Barriers**  
Ashley Pleiss, BS, RN
- 2:45 - 3:05 **Integration - The Tension Between Mobility and Falls**  
Sowmya Kumble, PT, MPT, NCS
- 3:05 - 3:25 **Patient Engagement: Overcoming Patient Refusals**  
Nicole Schechter, PsyD, ABPP-RP
- 3:25 - 3:45 **Question and Answer**  
3:45 - 4:15 **Break**

#### Session 5

##### *Evaluate and Execute*

- 4:15 - 4:35 **Sustainable Education and Training**  
Ashley Pleiss, BS, RN
- 4:35 - 4:55 **Using Data to Drive Culture and Accountability**  
Michael Friedman, PT, MBA and Erik Hoyer, MD
- 4:55 - 5:15 **Project Management and Sustainability**  
Michelle Cvach, MS
- 5:15 - 5:35 **Implementation Tools and Resources**  
Michael Friedman, PT, MBA
- 5:35 - 5:50 **Question and Answer & Wrap-Up by Michael Friedman, PT, MBA**

# Friday, November 6, 2020

## Combined Adult and Pediatric Content

7:30 - 8:30 **Poster Viewing Session**

*Welcome and Opening Remarks*

8:30 - 8:45 **Primer on Social Media**

8:45 - 9:00 **Welcome by Dale Needham, FCPA, MD, PhD**

### Session 1

*A Patient and Family Perspective*

9:00 - 9:25 **Pediatric Patient & Family Interview**

9:25 - 9:40 **Question and Answer**

9:40 - 10:15 **Break**

## Simultaneous Tracks

### Adult ICU Rehabilitation

#### Session 2

*Recent Advances in Research and Practice for ICU Mobilization*

10:15 - 10:35 **Updates in ICU Rehabilitation**  
Dale Needham, FCPA, MD, PhD

10:35 - 10:55 **Clinical Decision-Making for Safe Mobilization in the ICU**  
Danny Ludwig, PT, DPT, NCS

10:55 - 11:15 **ICU Nurses as Early Mobilization Champions**  
Elizabeth Zink, RN, MS, CCNS, CNRN

11:15 - 11:30 **Question and Answer**

11:30 - 12:30 **Poster Viewing Session**

12:30 - 12:45 **Break**

#### Session 3

*Recent Advances in Research and Practice for OT and SLP*

12:45 - 1:05 **OT Interventions in the ICU**  
Kelly Casey, OTD, OTR/L, BCPR, ATP, CPAM

1:05 - 1:25 **Swallowing and Voice in the ICU**  
Martin Brodsky, PhD, ScM, CCC-SLP, F-ASHA

1:25 - 1:45 **Tracheostomy and Communication in the ICU**  
Therese Kling-Cole, MA, CCC-SLP, BCS-S

1:45 - 2:05 **Question and Answer**

#### Session 4

*Psychological Considerations for ICU Rehabilitation*

2:05 - 2:35 **Recent Advances in Sedation and Delirium**  
Dale Needham, FCPA, MD, PhD

2:35 - 3:00 **Rehabilitation Psychology in the ICU**  
Megan Hosey, PhD

3:00 - 3:20 **Question and Answer**

3:20 - 3:50 **Break**

### Pediatric ICU Rehabilitation

#### Session 2

*What's New and Different in PICU Mobility*

10:15 - 10:30 **Exploring the Landscape of PICU Rehabilitation: Insights from PARK-PICU**  
Sapna Kudchadkar, MD, PhD

10:30 - 10:50 **Post-Intensive Care Syndrome in Pediatric ICU Survivors**  
Sapna Kudchadkar, MD, PhD and Julie Quinn, PT, MEd, PCS

10:50 - 11:00 **Taking the Next Step: Pediatric ECMO & Mobility**  
Jennifer Snider, MSN, CPNP-AC

11:00 - 11:15 **Assessing ICU Acquired Weakness: The PICU Perspective**  
Katherine Denlinger, PT, DPT, PCS

11:15 - 11:30 **Question and Answer**

11:30 - 12:30 **Poster Viewing Session**

12:30 - 12:45 **Break**

#### Session 3

*Special Considerations for PICU Mobility*

12:45 - 1:15 **Treating the PICU Patient with Multi-System Injury**  
Meghan Moore, PT, DPT, NCS and  
Katherine Denlinger, PT, DPT, PCS

1:15 - 1:30 **Facilitating Communication and Cognition in the ICU**  
Yiota Senekkis-Florent, PhD, CCC-SLP

1:30 - 1:45 **The Nuts and Bolts of Trauma-Informed Care: Considerations in the PICU**  
Julie Quinn, PT, MEd, PCS

1:45 - 2:05 **Question and Answer**

#### Session 4

*The Critically Ill Infant & Toddler*

2:05 - 2:30 **Evidence-Based Approaches to Feeding & Swallowing**  
Yun Kim, MS, OTR/L and Yiota Senekkis-Florent, PhD, CCC-SLP

2:30 - 2:45 **Mobilizing the Critically Ill Infant: What Does It Mean?**  
Emily Rogers, PT, DPT

2:45 - 3:05 **Optimizing the Healing Environment to Foster Neuro Development**  
Yun Kim, MS, OTR/L and Kerry Vela, PT, DPT, PCS

3:05 - 3:20 **Question and Answer**

3:20 - 3:50 **Break**

## Combined Adult and Pediatric Content

### Session 5

*Abstract Presentations, Part 1*

3:50 - 4:50 **Abstract Presentations and Question and Answer**

4:50 - 5:00 **Day 2 wrap-Up by Dale Needham, FCPA, MD PhD**



# Saturday, November 7, 2020

## Combined Adult and Pediatric Content

7:30 - 8:25 **Poster Viewing Session**

*Welcome and Opening Remarks*

8:25 - 8:35 **Social Media Update by Sapna Kudchadkar MD, PhD**

8:35 - 8:40 **Welcome by Dale Needham, FCPA, MD, PhD**

### Session 1

*A Patient and Family Perspective*

8:40 - 9:05 **Adult Patient Interview**

9:05 - 9:20 **Question and Answer**

### Session 2

*Next Steps for Post-Conference Success*

9:20 - 9:35 **Helpful Resources for ICU Rehabilitation**

Dale Needham, FCPA, MD, PhD

9:35 - 9:40 **Question and Answer**

9:40 - 10:15 **Break**

### Session 3

*Workshops with Multi-Disciplinary ICU Rehabilitation Experts*

10:15 - 12:15 **Workshop 1 - Culture Change to Advance Sedation, Delirium and Mobility Practice**

Facilitator: Dale Needham, FCPA, MD, PhD

**Workshop 2 - Balancing Productivity and Innovative Therapist Practice**

Facilitator: Michael Friedman, PT, MBA

**Workshop 3 - Neuropsychiatric Issues in the ICU and Beyond**

Facilitators: Megan Hosey, PhD

**Workshop 4 - Rehabilitation Issues in a Pediatric ICU**

Facilitators: Sapna Kudchadkar, MD, PhD and

Julie Quinn, PT, MSED, PCS

**Workshop 5 - Rehabilitation Issues in Adult Surgical and Cardiac ICUs**

Facilitator: Paul Ricard, PT, DPT, CCS

**Workshop 6 - Rehabilitation Issues in an Adult Medical ICU**

Facilitator: Stephanie Hiser, PT, DPT, CCS

**Workshop 7 - Rehabilitation Issues in a Neuro ICU**

Facilitator: Sowmya Kumble, PT, MPT, NCS

12:15 - 1:15 **Poster Viewing Session**

1:15 - 1:30 **Break**

### Session 4

*Abstract Presentations, Part 2*

1:30 - 2:30 **Abstract Presentations and Question and Answer**

### Session 5

*ICU Patients After the ICU*

2:30 - 2:50 **Activity and Mobility Promotion Throughout the Hospital**

Michael Friedman, PT, MBA

2:50 - 3:10 **Updates in ICU Survivorship**

Dale Needham, FCPA, MD, PhD

3:10 - 3:30 **Current State of Practice for Post-ICU Follow-Up Clinics**

Carla Sevin, MD

3:30 - 3:45 **Question and Answer**

3:45 - 3:50 **Conference Wrap-Up by Dale Needham, FCPA, MD, PhD**



# SPEAKERS

## ACTIVITY DIRECTOR

### **Dale Needham, FCPA, MD, PhD**

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

## PLANNING COMMITTEE

### **Michael Friedman, PT, MBA**

Director of Strategic Program Development  
Physical Medicine and Rehabilitation  
The Johns Hopkins Hospital

### **Sapna Kudchadkar, MD, PhD**

Associate Professor  
Division of Pediatrics, Anesthesiology and Critical Care Medicine  
Director, PICU Clinical Research Program  
Johns Hopkins School of Medicine

### **Annette Lavezza, OTR/L**

Therapy Manager  
Acute Care Therapy Consult Services  
The Johns Hopkins Hospital

### **Julie Quinn, PT, MEd, PCS**

Physical Therapist  
Pediatric Rehabilitation Team Leader  
The Johns Hopkins Hospital

## JOHNS HOPKINS SPEAKERS

### **Judith Ascenzi, DNP, RN**

Director of Pediatric Nursing Program

### **Erik Hoyer, MD**

Assistant Professor

### **Emily Rogers, PT, DPT**

Physical Therapist

### **Sean Barnes, MD, MBA**

Assistant Professor

### **Yun Kim, MS, OTR/L**

Occupational Therapist

### **Holly Russell, MS, OTR/L**

Rehabilitation Team Leader

### **Amy Bayliss, MS, OTR/L**

Occupational Therapist

### **Lisa Klein, MSN, RN, AGCNS-BC, CNRN**

Clinical Nurse Specialist

### **Nicole Schechter, PsyD, ABPP-RP**

Assistant Professor

### **O. Joseph Bienvenu, MD, PhD**

Associate Professor

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

Speech Language Pathologist

### **Jason Seltzer, PT, DPT**

Rehabilitation Team Coordinator

### **Martin Brodsky, PhD, ScM, CCC-SLP, F-ASHA**

Associate Professor

### **Sowmya Kumble, PT, MPT, NCS**

Clinical Resource Analyst

### **Yiota Senekkis-Florent, PhD, CCC-SLP**

Speech Language Pathologist

### **Emily Carlton, CCLS**

Child Life Specialist

### **Kerry Lammers, PT, DPT, CCS, CCI**

Clinical Specialist

### **Meghan Shackelford, MSN, CRNP-AC**

Nurse Practitioner

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

Clinical Specialist

### **Hallie Lenker, PT, DPT**

Rehabilitation Team Coordinator

### **Jennifer Snider, MSN, CPNP-AC**

Senior Nurse Practitioner

### **Deadria Clarke, RRT**

Adult Respiratory Care Practitioner

### **Danny Ludwig, PT, DPT, NCS**

Clinical Specialist

### **Alison E. Turnbull, DVM, MPH, PhD**

Assistant Professor

### **Michelle Cvach, MS**

Project Analyst

### **Meghan Moore, PT, DPT, NCS**

Physical Therapist

### **Kerry Vela, PT, DPT, PCS**

Physical Therapist

### **Kelly N. Daley, PT, MBA**

Clinical Informatics

### **Karin Neufeld, MD, MPH**

Associate Professor

### **Emily Warren, MSN, RN, CCRN-K**

Nurse Manager

### **Katherine Denlinger, PT, DPT, PCS**

Physical Therapist

### **Ann Parker, MD, PhD**

Assistant Professor

### **Beth Wiczorek, DNP, CRNP**

Nurse Practitioner Manager

### **Eleni D. Flanagan, DNP, MBA, RN-BC**

Assistant Director of Nursing

### **Julie Patterson, MSOT, OTR/L**

Occupational Therapist II

### **Daniel Young, PT, DPT, PhD**

Visiting Scientist

### **Krista Hajnik, BHSc, RRT-NPS**

Respiratory Care Clinical Specialist

### **Ashley Pleiss, BS, RN**

Lead Clinical Nurse

### **Sam Young, MS, RN**

Clinical Nurse Specialist

### **Stephanie Hazen, BSc, RRT-NPS**

Respiratory Care Clinical Specialist

### **Caroline Potter, MS, CCLS, CIMI**

Child Life Specialist

### **Jennifer Zanni, PT, DScPT, CCS**

Physical Therapist

### **Stephanie Hiser, PT, DPT, CCS**

Physical Therapist

### **John Probasco, MD**

Associate Professor

### **Elizabeth Zink, RN, MS, CCNS, CNRN**

Clinical Nurse Specialist

### **Megan Hosey, PhD**

Assistant Professor

### **Paul Ricard, PT, DPT, CCS**

Rehabilitation Team Coordinator

# SPEAKERS

## GUEST SPEAKERS

**Brad Butcher, MD**

Assistant Professor  
University of Pittsburgh Medical Center  
Pittsburgh, Pennsylvania

**Tammy L. Eaton, MSN, RN, FNP-BC, ACHPN**

Nurse Practitioner  
Critical Illness Recovery Center  
Pittsburgh, Pennsylvania

**Miguel Escalón, MD, MPH, FAAPMR**

Associate Professor  
Mount Sinai Health System  
New York, New York

**James Jackson, PsyD**

Professor  
Vanderbilt University  
Nashville, Tennessee

**Michael Kenes, PharmD, BCPS, BCCCP**

Clinical Assistant Professor  
University of Michigan  
Ann Arbor, Michigan

**Babar Khan, MBBS, MS**

Associate Professor  
Indiana University  
Bloomington, Indiana

**Karen Korzick, MD, MA, FCCP, FACP**

Medical Director of ICU Survivor Clinic  
Geisinger Medical Center  
Danville, Pennsylvania

**Cynthia L. Reynolds, LCSW, LCAC**

Clinical Social Worker  
Eskenazi Health  
Indianapolis, Indiana

**Carla Sevin, MD**

Assistant Professor  
Vanderbilt University  
Nashville, Tennessee

**Maria Shoemaker, OTR/L**

Occupational Therapist  
University of Pittsburgh Medical Center  
Pittsburgh, Pennsylvania





# REGISTRATION FORM

Course Number 80051358/24982

## Ninth Annual Johns Hopkins Critical Care Rehabilitation Conference

November 5-7, 2020

### To Register:

Online: <http://hopkinscme.cloud-cme.com/default.aspx?P=0&EID=24982>

Phone: (410) 502-9636 Fax: (866) 510-7088

Or mail this form to the Johns Hopkins School of Medicine, Office of Continuing Medical Education, 720 Rutland Avenue, Turner Room 20, Baltimore, Maryland 21205-2195. Include e-check or credit card information below.

### FULL PAYMENT IS REQUIRED PRIOR TO THE START OF ACTIVITY.

I am a Johns Hopkins speaker for this activity

Last name		First name		M.I.
Highest Degree		Primary Specialty		Hopkins Faculty/Staff Only - JHED ID
For Physicians Only	NPI 10 digit #	State License #	State of License	Expiration Date
Organization		Mailing Address		
City		State	Zip + 4 Code	Country
Daytime Telephone			Fax Number	
Email (required)				

### Registration Fees:

	Early Bird Pricing Until Sep 30, 2020	Regular Pricing After Oct 1, 2020
<b>ICU Follow-Up Clinics Pre-Conference</b> November 5, 2020	<b>\$245.00</b>	<b>\$295.00</b>
<b>Pick 2 Foundations Courses</b> November 5, 2020	<b>\$245.00</b>	<b>\$295.00</b>
<b>Pick 1 Main Conference Track, AND 1 Foundations Course</b> November 5-7, 2020	<b>\$425.00</b>	<b>\$495.00</b>
<b>All conference content: Pre-Conference, AND 3 Foundations Courses, AND 2 Main Conference Tracks</b> November 5-7, 2020	<b>\$670.00</b>	<b>\$790.00</b>

### Payment Type:

**JHU Faculty/Staff Only:** If you are using your Tuition Remission Benefit or an ION budget, please upload your fully completed and approved form in the payment section of the online activity link above.

- TR Form:** [hr.jhu.edu/wp-content/uploads/2019/03/trffacandstaff.pdf](http://hr.jhu.edu/wp-content/uploads/2019/03/trffacandstaff.pdf)
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### Registration Type (Select ONE Only)

- ICU Follow-Up Clinics Pre-Conference (Nov 5)
- Pick 2 Foundations Courses (Nov 5)
- Pick 1 Main Conference Track (Nov 6-7), AND 1 Foundations Course (Nov 5)
- All conference content: Pre-Conference, AND 3 Foundations Courses, AND 2 Main Conference Tracks

### Foundations Course/Pre-Conference: Thurs, Nov 5

- Not attending Foundations Course/Pre-Conference on Thurs, Nov 5
- Adult ICU Rehabilitation Foundations Course
- Pediatric ICU Rehabilitation Foundations Course
- Combating the Hospital Immobility Harm Foundations Course
- ICU Follow-Up Clinic Pre-Conference

### Main Conference Track: Fri, Nov 6 - Sat Nov 7

- Not attending Main Conference on Fri, Nov 6 - Sat, Nov 7
- Adult ICU Rehabilitation Track
- Pediatric ICU Rehabilitation Track

### Workshop Selections for Main Conference: Sat, Nov 7 (Select ONE Only)

- Not attending Main Conference on Fri, Nov 6 - Sat, Nov 7
- Workshop 1: Culture Change to Advance Sedation, Delirium, and Mobility Practice
- Workshop 2: Balancing Productivity and Innovative Therapist Practice
- Workshop 3: Neuropsychiatric Issues in the ICU and Beyond
- Workshop 4: Rehabilitation Issues in a Pediatric ICU
- Workshop 5: Rehabilitation Issues in Adult Surgical and Cardiac ICUs
- Workshop 6: Rehabilitation Issues in an Adult Medical ICU
- Workshop 7: Rehabilitation issues in a Neuro ICU