CONTINUING MEDICAL EDUCATION

Ninth Annual
JOHNS HOPKINS CRITICAL CARE REHABILITATION CONFERENCE

November 5-7, 2020

Thomas B. Turner Auditorium
Johns Hopkins East Baltimore Medical Campus
Baltimore, Maryland
This conference is supported by the American Speech-Language-Hearing Association
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.

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.

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™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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.

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™ from organizations accredited by the ACCME.
- American Academy of Nurse Practitioners National Certification Commission accepts AMA PRA Category 1 Credits™ 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.

Applications for CE Credits are currently in process for:
- American Speech-Language-Hearing Association (ASHA)

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™ 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 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

Applications for CE Credits are currently in process for:
- Physical Therapy Board of California
- Florida Board of Physical Therapy
- Illinois Department of Financial and Professional Regulations
- Maryland Board of Physical Therapy Examiners
- New Jersey State Board of Physical Therapy Examiners
- Ohio Physical Therapy Association
- Pennsylvania State Board of Physical Therapy
- Texas Board of Physical Therapy Examiners

PROFESSIONAL COUNSELORS AND THERAPISTS
This CE Program has been approved by the Maryland Board of Professional Counselors and Therapists for Category A CEUs.
FOUNDATIONS COURSES/PRE-CONFEERENCE:
Thursday, November 5, 2020 • 7:00 a.m.

MAIN CONFERENCE:
Friday, November 6, 2020 • 7:30 a.m.

LOCATION
Thomas B. Turner Building
Johns Hopkins School of Medicine
720 Rutland Avenue
Baltimore, Maryland 21205

The Turner Building is located on Rutland Avenue at Monument Street. Directions and campus parking information are available on our website under the Contact Us tab at HopkinsCME.cloud-cme.com. Handicapped parking is available in the nearby Rutland Garage.

Johns Hopkins is smoke-free.

FEES
Registration Cut-Off Date: October 30, 2020

<table>
<thead>
<tr>
<th>Event</th>
<th>Early Bird Pricing</th>
<th>Regular Pricing</th>
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<tbody>
<tr>
<td>Foundations Courses/</td>
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<tr>
<td>Pre-Conference</td>
<td>$245.00</td>
<td>$295.00</td>
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<tr>
<td>November 5, 2020</td>
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<tr>
<td>Main Conference</td>
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<td>November 6-7, 2020</td>
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<tr>
<td>Full Conference</td>
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<td>November 5-7, 2020</td>
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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 but is not responsible for travel expenses. Additionally, we reserve the right to change the venue to a comparable venue. Under such circumstances registrants will be notified as soon as possible.

LATE FEE AND REFUND POLICY
A $50 late fee applies to registrations received after 5:00 p.m. ET on 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.

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.

SOCIAL EVENT
A complimentary reception for registrants and faculty will be held from 5:00 p.m. – 6:30 p.m. on Friday, November 6, 2020. Please indicate your attendance on the registration form.

TO REGISTER OR FOR FURTHER INFORMATION
Register online
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

Follow us on Twitter: twitter.com/HopkinsCME
Facebook: facebook.com/HopkinsCME

Check out our mobile app CloudCME.
Organization Code: HopkinsCME

For website and CloudCME mobile app technical difficulties, email: cmetechsupport@jhmi.edu

For general information, please visit the activity webpage at: hopkinscme.cloud-cme.com/default.aspx?P=0&EID=24982
A limited block of sleeping rooms has been reserved for your convenience and will be available on a first come, first served basis.

**DELTA HOTELS BALTIMORE INNER HARBOR**

1 East Redwood Street
Baltimore, Maryland 21202

Hotel Reservation Cut-Off Date: October 5, 2020

The all-new Delta Hotel in Baltimore’s Inner Harbor is ideally located walking distance from Oriole Park at Camden Yards, M&T Bank Stadium, Baltimore Convention Center, American Visionary Art Museum, and the National Aquarium. Make your reservation online at [http://bit.ly/icurehab2020Delta](http://bit.ly/icurehab2020Delta) or call the hotel directly and specify that you are attending the Johns Hopkins Critical Care Rehabilitation Conference to receive the special group rate of **$149, single plus tax**. On-site parking is available at an additional charge. Check-in time is 4:00 p.m. Check-out time is 12:00 p.m.

Walking distance (1 block) from subway station that goes to the Johns Hopkins Medical Campus.

Distance to conference venue: 2 miles

**HILTON GARDEN INN BALTIMORE - HARBOR EAST**

625 South President Street
Baltimore, Maryland 21202

Hotel Reservation Cut-Off Date: October 5, 2020

The Hilton Garden Inn Baltimore Inner Harbor, pleasantly situated in Harbor East, blends well with its fashionable surroundings and offers excellent accommodations within walking distance of downtown Baltimore. Make your reservation online at [http://bit.ly/icurehab2020Hilton](http://bit.ly/icurehab2020Hilton) or call the hotel directly and specify that you are attending the Johns Hopkins Critical Care Rehabilitation Conference to receive the special group rate of **$159, single or double, plus tax**. On-site parking is available at an additional charge. Check-in time is 3:00 p.m. Check-out time is 11:00 a.m.

Distance to conference venue: 1.5 miles

**LORD BALTIMORE HOTEL**

20 West Baltimore Street
Baltimore, Maryland 21201

Hotel Reservation Cut-Off Date: October 19, 2020

The Lord Baltimore Hotel is a newly renovated historic hotel in the heart of Baltimore’s business district just two blocks from Oriole Park at Camden Yards. Make your reservation online at [http://bit.ly/icurehab2020LordBaltimore](http://bit.ly/icurehab2020LordBaltimore) or call the hotel directly and specify that you are attending the Johns Hopkins Critical Care Rehabilitation Conference to receive the special group rate of **$119, single or double, plus tax, $139 triple plus tax, or $159 quadruple plus tax**. Parking is available to the Hotel guests at a cost of $33.00 plus 20% Baltimore City Tax per day for valet parking per night with in and out privileges. Self-Parking is available at $20.00 per day with no in and out privileges at the Hotels parking garage located 1.5 blocks from the hotel entrance at 213 W. Fayette Street. Check-in time is 4:00 p.m. Check-out time is 11:00 am.

Located across the street from subway station that goes to the Johns Hopkins Medical Campus.

Distance to conference venue: 2 miles

**RESIDENCE INN BALTIMORE**

800 North Wolfe Street
Baltimore, Maryland 21205

Hotel Reservation Cut-Off Date: October 5, 2020

The Residence Inn Baltimore is located on the Johns Hopkins Medical Campus. Make your reservation at [http://bit.ly/icurehab2020ResidenceInn](http://bit.ly/icurehab2020ResidenceInn) or call the hotel directly and specify that you are attending the Johns Hopkins Critical Care Rehabilitation Conference to receive the special group rate of **$139 for one bedroom king suite, plus tax**. Valet parking is available at $33 per night. Check-in time is 4:00 p.m. Check-out time is 12:00 p.m.

Distance to conference venue: 0.1 miles

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**EMERGENCY CALLS**

On November 5-7, 2020 direct emergency calls to the Hopkins registration desk, (410) 955-3673. Messages will be posted for participants.

**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.

**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 speaker 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.
Thursday, November 5, 2020

7:00 - 7:55  Registration for Foundation Courses/Pre-Conference and Continental Breakfast

**Simultaneous Tracks. Pick one.**

### Adult ICU Rehabilitation Foundations

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 1: Rationale and Evidence for Early Rehabilitation</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:10 - 8:15</td>
<td>Welcome and Conference Goals by Kelly Casey, OTD, OTR/L, BCPR, ATP, CPAM</td>
</tr>
<tr>
<td>8:15 - 8:30</td>
<td>ICU-Acquired Weakness and Long-Term Physical Outcomes by Dale Needham, FCPCA, MD, PhD</td>
</tr>
<tr>
<td>8:30 - 8:50</td>
<td>Culture Change to Promote Early Rehabilitation in the ICU by Jennifer Zanni, PT, DScPT, CCS</td>
</tr>
<tr>
<td>8:50 - 9:05</td>
<td>Safety Criteria for Mobilization of ICU Patients by Jennifer Zanni, PT, DScPT, CCS</td>
</tr>
<tr>
<td>9:05 - 9:25</td>
<td>Evidence for Early Rehabilitation in the ICU by Dale Needham, FCPCA, MD, PhD</td>
</tr>
<tr>
<td>9:25 - 9:40</td>
<td>Overview of Sedation and Delirium in the ICU by Karin Neufeld, MD, MPH</td>
</tr>
<tr>
<td>9:40 - 10:00</td>
<td>Cognition and Delirium: Assessment and Intervention by Kelly Casey, OTD, OTR/L, BCPR, ATP, CPAM and Therese Kling-Cole, MA, CCC-SLP, BCS-S</td>
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<table>
<thead>
<tr>
<th>Time</th>
<th>Session 1 Questions and Answer</th>
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<tbody>
<tr>
<td>10:00 - 10:20</td>
<td>Question and Answer</td>
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<tr>
<td>10:20 - 10:55</td>
<td>Poster Viewing and Coffee Break</td>
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### Pediatric ICU Rehabilitation Foundations

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 1: Welcome and Conference Goals by Sapna Kudchadkar, MD, PhD and Julie Quinn, PT, MSEd, PCS</th>
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<tr>
<td>8:10 - 8:15</td>
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<table>
<thead>
<tr>
<th>Time</th>
<th>Session 1: Pediatric ICU Rehab: Using The Evidence Base to Get Started</th>
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<tbody>
<tr>
<td>8:15 - 8:35</td>
<td>Pedds ICU Rehab: Where We’ve Come and Where We’re Headed by Sapna Kudchadkar, MD, PhD</td>
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<tr>
<td>8:35 - 8:50</td>
<td>Changing PICU Culture: Creating the Multidisciplinary ICU Rehab Team by Judith Ascenzi, DNP, RN</td>
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<tr>
<td>8:50 - 9:10</td>
<td>Optimizing Sedation in the PICU by Meghan Shackelford, MSN, CRNP-AC</td>
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<tr>
<td>9:10 - 9:30</td>
<td>Creating a Healing PICU Environment: Sleep and Delirium Issues by Sean Barnes, MD, MBA</td>
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<tr>
<td>9:30 - 9:50</td>
<td>Starting a PICU Early Mobilization Program: Getting to “Yes” by Beth Wieczorek, DNP, CRNP</td>
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<tr>
<td>9:50 - 10:05</td>
<td>What Metrics Matter for PICU Early Mobility Program by Sapna Kudchadkar, MD, PhD and Julie Quinn, PT, MSEd, PCS</td>
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<tr>
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<td>Poster Viewing and Coffee Break</td>
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### Session 2: Implementing and Sustaining an ICU Rehabilitation Program

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 2: Role of Physical Therapy by Kerry Lammers, PT, DPT, CCS, CCI</th>
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<tbody>
<tr>
<td>10:55 - 11:10</td>
<td>Role of Physical Therapy by Kerry Lammers, PT, DPT, CCS, CCI</td>
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<tr>
<td>11:10 - 11:25</td>
<td>Role of Occupational Therapy by Kelly Casey, OTR/L, BCPR, ATP, CPAM</td>
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<tr>
<td>11:25 - 11:40</td>
<td>Role of Speech-Language Pathology by Therese Kling-Cole, MA, CCC-SLP, BCS-S</td>
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<td>11:40 - 11:55</td>
<td>Role of Respiratory Therapy by Deadria Clarke, RRT</td>
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<td>11:55 - 12:10</td>
<td>Role of Nursing by Sam Young, MS, RN</td>
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<tr>
<th>Time</th>
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<tr>
<td>12:10 - 12:30</td>
<td>Question and Answer</td>
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<tr>
<td>12:30 - 2:00</td>
<td>Poster Viewing and Networking (Lunch Provided)</td>
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### Session 3: Specialized Assessment and Intervention

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

### Session 4: Medical Interventions

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 4: Critical Care Medications by Kerry Lammers PT, DPT, CCS, CCI</th>
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<tbody>
<tr>
<td>4:15 - 4:35</td>
<td>Critical Care Medications by Kerry Lammers PT, DPT, CCS, CCI</td>
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<tr>
<td>4:35 - 5:05</td>
<td>Understanding Mechanical Ventilation by Jennifer Zanni, PT, DScPT, CCS</td>
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<tr>
<td>5:05 - 5:25</td>
<td>Lines, Tubes, Drains, and ICU Monitoring Systems by Danny Ludwig, PT, DPT, NCS</td>
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<tr>
<td>5:25 - 5:45</td>
<td>Question and Answer</td>
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<tr>
<td>5:45 - 5:50</td>
<td>Day 1 Wrap-Up by Kelly Casey, OTD, OTR/L, BCPR, ATP, CPAM</td>
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<tr>
<th>Time</th>
<th>Session 4 Questions and Answer</th>
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<tr>
<td>3:30 - 3:45</td>
<td>Question and Answer</td>
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<td>3:45 - 4:15</td>
<td>Poster Viewing and Coffee Break</td>
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### Session 5: Nuts and Bolts: Key Logistical Issues in PICU Mobility

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 5: Critical Care Meds in Pediatrics by Sapna Kudchadkar, MD, PhD and Hallie Lenker, PT, DPT</th>
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</thead>
<tbody>
<tr>
<td>4:15 - 4:35</td>
<td>Critical Care Meds in Pediatrics by Sapna Kudchadkar, MD, PhD and Hallie Lenker, PT, DPT</td>
</tr>
<tr>
<td>4:35 - 4:55</td>
<td>Optimizing Mobility Using Equipment and Positioning Aids by Hallie Lenker, PT, DPT and Julie Patterson, MSOT, OTR/L</td>
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<tr>
<td>4:55 - 5:35</td>
<td>Case Studies: Putting it All Together by Sapna Kudchadkar, MD, PhD</td>
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<tr>
<td>5:35 - 5:50</td>
<td>Question and Answer, Panel Discussion and Wrap-Up</td>
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<tr>
<th>Time</th>
<th>Session 5 Questions and Answer</th>
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<tr>
<td>5:30 - 6:00</td>
<td>Question and Answer</td>
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<tr>
<td>6:00 - 6:30</td>
<td>Poster Viewing and Networking (Lunch Provided)</td>
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Registration for Foundation Courses/Pre-Conference and Continental Breakfast

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

**Rationale and Evidence for Early Rehabilitation**

**Implementing and Sustaining an ICU Rehabilitation Program**

**Session 1**

**Session 2**

**Session 3**

**Session 4**

**Session 5**

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**Poster Viewing and Networking (Lunch Provided)**

**Simultaneous Tracks. Pick one.**

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**Welcome and Conference Goals by Sapna Kudchadkar, MD, PhD and Julie Quinn, PT, MSEd, PCS**

**Session 1**

**Session 2**

**Session 3**

**Session 4**

**Session 5**

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**Poster Viewing and Networking (Lunch Provided)**
Thursday, November 5, 2020

7:00 - 7:55    Registration for Foundation Courses/Pre-Conference and Continental Breakfast

Simultaneous Tracks. Pick one.

**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, FCAPA, 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  **Poster Viewing and Coffee 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  **Leveraging the Electronic Medical Record and Data Design**
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 - 2:00  **Poster Viewing and Networking (Lunch Provided)**

**Session 4**

**Barriers**

2:00 - 2:20  **Assessing Barriers**
Jason Seltzer, PT, DPT and Eleni Flanagan, DNP, MBA, RN, NEA-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  **Poster Viewing and Coffee 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 Cvaech, MS

5:15 - 5:35  **Implementation Tools and Resources**
Michael Friedman, PT, MBA

5:35 - 5:50  **Question and Answer and Wrap-Up by Michael Friedman, PT, MBA**

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**ICU Follow-Up Clinic Pre-Conference**

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  **Poster Viewing and Coffee 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 Kenedi, PharmD, BCPS, BCCCP

11:50 - 12:05  **Role of Physiatry**
Miguel Escalón, MD, MPH, FAAPMR

12:05 - 12:30  **Question and Answer**

12:30 - 2:00  **Poster Viewing and Networking (Lunch Provided)**

**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  **Poster Viewing and Coffee 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, FACCP

5:15 - 5:45  **Panel Discussion and Question and Answer**

5:45 - 5:50  **Day 1 Wrap-Up by Ann Parker, MD, PhD**
Friday, November 6, 2020

**Combined Adult and Pediatric Content**

7:30 - 8:30  Registration for Conference, Continental Breakfast and Poster Viewing

**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  Patient & Family Interview  
9:25 - 9:40  Question and Answer  
9:40 - 10:15  Poster Viewing and Coffee Break

**Simultaneous Tracks. Pick one.**

### 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

Danny Ludwig, PT, DPT, NCS

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

11:15 - 11:30  Question and Answer

11:30 - 12:45  Poster Viewing, Networking, & Animal-Assisted Therapy Session (Boxed Lunch Provided)

### 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 Kuchadkar, MD, PhD

10:30 - 10:50  Post-Intensive Care Syndrome in Pediatric ICU Survivors  
Sapna Kuchadkar, MD, PhD and Julie Quinn, PT, MSED, 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 - 12:45  Poster Viewing, Networking, & Animal-Assisted Therapy Session (Boxed Lunch Provided)

### 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  Poster Viewing & Coffee Break

#### Session 2

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, MSED, 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  Poster Viewing & Coffee 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

5:00 - 6:30  Social and Networking Event
# Saturday, November 7, 2020

## Session 1
**A Patient and Family Perspective**

- 8:40 - 9:05 Patient & Family 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 Poster Viewing & Coffee 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 - 1:30 Poster Viewing and Networking (Boxed Lunch provided)

## 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

The Johns Hopkins School of Medicine takes responsibility for the content, quality and scientific integrity of this CME activity. This schedule is subject to change.
## 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

<table>
<thead>
<tr>
<th>Name</th>
<th>Title/Position</th>
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<tbody>
<tr>
<td>Michael Friedman, PT, MBA</td>
<td>Director of Strategic Program Development, Physical Medicine and Rehabilitation, The Johns Hopkins Hospital</td>
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<tr>
<td>Sapna Kudchadkar, MD, PhD</td>
<td>Associate Professor, Division of Pediatrics, Anesthesiology and Critical Care Medicine, Director, PICU Clinical Research Program, Johns Hopkins School of Medicine</td>
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<tr>
<td>Annette Lavezza, OTR/L</td>
<td>Therapy Manager, Acute Care Therapy Consult Services, The Johns Hopkins Hospital</td>
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<tr>
<td>Julie Quinn, PT, MSeD, PCS</td>
<td>Physical Therapist, Pediatric Rehabilitation Team Leader, The Johns Hopkins Hospital</td>
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### JOHNS HOPKINS SPEAKERS

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<tr>
<td>Judith Ascenzi, DNP, RN</td>
<td>Director of Pediatric Nursing Program</td>
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<tr>
<td>Sean Barnes, MD, MBA</td>
<td>Assistant Professor, Physical Medicine and Rehabilitation, The Johns Hopkins Hospital</td>
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<tr>
<td>Amy Bayliss, MS, OTR/L</td>
<td>Occupational Therapist, Physical Medicine and Rehabilitation, The Johns Hopkins Hospital</td>
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<tr>
<td>Emily Carlton, CCLS</td>
<td>Child Life Specialist, Physical Medicine and Rehabilitation, The Johns Hopkins Hospital</td>
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<td>Kelly Casey, OTR/L, BCPR, ATP, CPAM</td>
<td>Clinical Specialist, Physical Medicine and Rehabilitation, The Johns Hopkins Hospital</td>
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<td>Deadtra Clarke, RRT</td>
<td>Adult Respiratory Care Practitioner, Physical Medicine and Rehabilitation, The Johns Hopkins Hospital</td>
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<td>Michelle Cvach, MS</td>
<td>Project Analyst, Physical Medicine and Rehabilitation, The Johns Hopkins Hospital</td>
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<td>Kelly N. Daley, PT, MBA</td>
<td>Clinical Informatics, Physical Medicine and Rehabilitation, The Johns Hopkins Hospital</td>
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<td>Katherine Denlinger, PT, DPT, PCS</td>
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<td>Eleni D. Flanagan, DNP, MBA, RN-BC</td>
<td>Assistant Director of Nursing, Physical Medicine and Rehabilitation, The Johns Hopkins Hospital</td>
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<td>Krista Hajnik, BHsc, RRT-NPS</td>
<td>Respiratory Care Clinical Specialist, Physical Medicine and Rehabilitation, The Johns Hopkins Hospital</td>
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<td>Stephanie Hazen, BSc, RRT-NPS</td>
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<td>Lisa Klein, MSN, RN, AGCNS-BC, CNRN</td>
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<td>Sowmya Kumble, PT, MPT, NCS</td>
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<td>Kerry Lammers, PT, DPT, CCS, CCI</td>
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<td>Hallie Lenker, PT, DPT</td>
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<td>Ann Parker, MD, PhD</td>
<td>Assistant Professor, Physical Medicine and Rehabilitation, The Johns Hopkins Hospital</td>
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<td>Julie Patterson, MSOT, OTR/L</td>
<td>Occupational Therapist II, Physical Medicine and Rehabilitation, The Johns Hopkins Hospital</td>
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<td>Ashley Pleiss, BS, RN</td>
<td>Lead Clinical Nurse, Physical Medicine and Rehabilitation, The Johns Hopkins Hospital</td>
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<td>Caroline Potter, MS, CCLS, CIIM</td>
<td>Child Life Specialist, Physical Medicine and Rehabilitation, The Johns Hopkins Hospital</td>
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<td>Therapy Manager, Acute Care Therapy Consult Services, The Johns Hopkins Hospital</td>
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<td>Nicole Schechter, PsyD, ABPP-RP</td>
<td>Assistant Professor, Rehabilitation Team Coordinator, Physical Medicine and Rehabilitation, The Johns Hopkins Hospital</td>
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<td>Alison E. Turnbull, DVM, MPH, PhD</td>
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<td>Kerry Vela, PT, DPT, PCS</td>
<td>Physical Therapist, Physical Medicine and Rehabilitation, The Johns Hopkins Hospital</td>
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<td>Emily Warren, MS, RN, CCRN-K</td>
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<tr>
<td>Beth Wieczorek, DNP, CRNP</td>
<td>Nurse Practitioner Manager, Physical Medicine and Rehabilitation, The Johns Hopkins Hospital</td>
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<td>Sam Young, MS, RN</td>
<td>Clinical Nurse Specialist, Physical Medicine and Rehabilitation, The Johns Hopkins Hospital</td>
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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

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New York, New York

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Nashville, Tennessee

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Ann Arbor, Michigan

Babar Khan, MBBS, MS
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Bloomington, Indiana

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

**Ninth Annual Johns Hopkins Critical Care Rehabilitation Conference**  
November 5-7, 2020

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

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**Registration Fees:**

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<th>Regular Pricing After July 1, 2020</th>
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  Exp. Date ________Billing Zip Code ____________Security Code_____________
  Name on Card_____________________________________________________________
  Signature and Date________________________________________________________

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

- 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

- I plan to attend the social and networking event on Friday, November 6th from 5:00 - 6:00 p.m. (No added cost)