

# Mayo Clinic Rehab in the ICU: An Interdisciplinary Approach

## Activity Description

The Mayo Clinic Rehab in the ICU: An Interdisciplinary Approach provides novel ideas that build and reinforce the objectives from the first conference while offering knowledge and insight into rehabilitation feasibility and safety. Psychosocial elements of the patient in the intensive care unit, and necessary knowledge and skills to foster rehabilitation of both adult and pediatric patients in the intensive care unit within small and large medical institutions are also discussed.

This conference is important for multiple healthcare stakeholders as the demand for rehabilitation services embedded in the intensive care unit and the medical complexity of those patients increases. This conference hosts diverse curriculum and multidisciplinary presenters, including colleagues from psychology, speech/neurology, nursing, therapy services and physicians.

It offers both an adult and pediatric track along with shared content, including lessons learned in the recent pandemic such as PICS and rehabilitation for patients with post-COVID long haulers syndrome.

New this year are topics focused on the perspectives of care from social work, psychology, pediatric OT/PT and speech therapy disciplines. In addition to intervention strategies to foster critical thinking among rehabilitation staff to support novice practitioners in the intensive care units.

## Target Audience

This activity is appropriate for Occupational Therapists, Occupational Therapy Assistants, Physical Therapists, Physical Therapist Assistants, Nurses, Medical Professionals, Physicians and administrative stakeholders in acute care.

## Learning Objectives

Upon conclusion of this activity, participants should be able to:

- Recognize the rationale for providing rehabilitation services and team members that provide care to adults and/or pediatrics in the intensive care unit
- Identify current and evidence-based assessments, outcome measures and treatment considerations when providing care to adults and/or pediatrics in the intensive care unit
- Describe levels of sedation and symptoms of delirium
- Select strategies that promote early activity and mobility
- Recall psychosocial elements of care provided to patients and families during and following their stay in intensive care; and self-care to support well-being of professionals providing care in the ICU
- Explain educational and training elements that optimize clinical reasoning, safety, comfort within an interdisciplinary team

Attendance at this Mayo Clinic course does not indicate nor guarantee competence or proficiency in the performance of any procedures which may be discussed or taught in this course.

## Accreditation Statement



In support of improving patient care, Mayo Clinic College of Medicine and Science is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC) to provide continuing education for the healthcare team.

## Credit Statement(s)

### AMA

Mayo Clinic College of Medicine and Science designates this enduring material for a maximum of *14.00 AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

### ANCC

Mayo Clinic College of Medicine and Science designates this enduring material for a maximum of *14.00 ANCC* contact hours. Nurses should claim only the credit commensurate with the extent of their participation in the activity.



**ASHA CE**  
**APPROVED PROVIDER**

**Mayo Clinic School of Continuous Professional Development**

Intermediate Level

1.4 ASHA CEUs

## Occupational Therapy



Mayo Clinic - Rochester Campus is an approved provider of continuing education by the American Occupational Therapy Association #5660. The assignment of AOTA CEUs does not imply endorsement of specific course content, products or

clinical procedures by AOTA. At the conclusion of this conference, participants will be awarded a certificate for up to 14.00 contact hours or 1.4 AOTA CEUs.

## Physical Therapy

Sponsored by the Program in Physical Therapy, College of Medicine, Mayo Clinic. This course meets the criteria for up to 14.00 category I Continuing Education Units per Minnesota Physical Therapy Rules 5601.2400, 5601.2500.

## Other Healthcare Professionals

A record of attendance will be provided to all registrants for requesting credits in accordance with state nursing boards, specialty societies or other professional associations.

At the conclusion of this conference, participants will be awarded a certificate for up to 14.00 contact hours, maximum, based on actual contact hours. Please see your state specific requirements for O.T. licensure credits.

## Disclosure Summary

As a provider accredited by Joint Accreditation for Interprofessional Continuing Education, Mayo Clinic College of Medicine and Science must ensure balance, independence, objectivity and scientific rigor in its educational activities. All who are in a position to control the content are required to disclose all financial relationships with any ineligible company. Faculty will also identify any off-label and/or investigational use of pharmaceuticals or instruments discussed in their content for FDA compliance.

***Listed below are individuals with control of the content of this program who have disclosed...***

***Relevant financial relationship(s) with ineligible companies:***

None

***All relevant financial relationships listed for these individuals have been mitigated.***

***No relevant financial relationship(s) with ineligible companies:***

| Name                                  |                                   |
|---------------------------------------|-----------------------------------|
| Emily Axelson, M.S., CCC-SLP          | Laurie Mellon, P.T., D.P.T.       |
| Ashley Bailey, R.N.                   | Richard Oeckler, M.D., Ph.D.      |
| Jessica Strikwerda, PT, DPT           | Nicole Ostby                      |
| Ellen Butterfass, O.T.                | Shannon Piche, Pharm.D., R.Ph.    |
| Jillene Chitulangoma, P.T., D.P.T.    | Caitlin Polley, P.T., D.P.T., CCS |
| Heather Clark, Ph.D.                  | Stephanie Ritter, O.T.            |
| Patrick Cornelius, P.T., D.P.T., CCS  | Devin Roloff, M.B.A.              |
| Melinda Dallavalle, R.R.T., L.R.T.    | Brenda Schiltz, M.D., M.A.        |
| Benjamin Dobson, P.T., M.B.A., D.P.T. | Emily Schmitt, O.T., O.T.D.       |
| Macaila Eick, APRN, C.N.P.            | Casey Schneider, M.S.             |
| Lydia Geiszler, O.T.                  | Catherine Shonley, M.A., CCC-SLP  |
| Paula Hampel, CCLS                    | Darcie Simpson, P.T., D.P.T., PCS |
| Jamie Heyliger, Pharm.D., R.Ph.       | Cristina Sisneros, O.T., O.T.D.   |
| Emily Hosfield, M.S., CCC-SLP         | Tiffany Volk, R.N.                |
| Andrea Johnson, APRN, C.N.P.          | Eli Grace, R.N.                   |
| Yu Kawai, M.D.                        | Maureen Howell, MT-BC             |
| Bradley King, P.T., M.S.Ed., DScPT    | Mary McCoy, CCLS                  |
| Andrea Lehnertz, APRN, CNS, M.S.N.    | Jason Rathbun, P.T., D.P.T.       |
| Nanette Matzke, R.R.T., L.R.T.        | Missy Smith, APRN, C.N.P., M.S.N. |
| Emily McTate, Ph.D., L.P.             | Pat Balstad                       |

***References to off-label and/or investigational usage(s) of pharmaceuticals or instruments in their presentation:***

None

For disclosure information regarding Mayo Clinic School of Continuous Professional Development accreditation review committee member(s) please visit: <https://ce.mayo.edu/content/disclosures>.

## **Disclaimer**

Participation in this Mayo Clinic educational activity does not indicate nor guarantee competence or proficiency in the performance of any procedures which may be discussed or taught in this course. You should be aware that substantive developments in the medical field covered by this recording may have occurred since the date of original release.

## **Prerequisites for Participation**

There are no prerequisites needed prior to participating in this education activity.

## **Method of Participation**

Participation in this activity consists of reviewing the educational material, completing the learner assessment and evaluation.

## **How to Obtain Credit**

To obtain credit, complete the assessment, evaluation and submit.

## Release and Expiration Dates

Release Date: 3/6/2023  
Expiration Date: 3/5/2026

## Acknowledgement of Commercial Support

No commercial support was received in the production of this activity.

**Note:** Indicate after each supporter if it is an in-kind grant or a financial grant, e.g. Company Name (in-kind). In-Kind must also announce the type of gift provided.

## Faculty and Course Director Listing and Credentials

### Course Director(s)

Heather Clark, PhD  
Patrick Cornelius, PT, DPT, CCS  
Ben Dobson, PT, DPT, MBA  
Andrea (Annie) Johnson, APRN, CNP  
Brad King, PT, DScPT, MSED  
Richard Oeckler, MD, PhD  
Caitlin Polley, PT, DPT, CCS

### Faculty(s)

Yu Kawai, MD  
Andrea Lehnertz, APRN, CNS, MSN  
Ashley Bailey, RN, and Tiffany Volk, RN  
Shannon Piche, Pharm D., RPh  
Jamie Heyliger, Pharm D., RPh  
Nanette Matzke, RRT  
Melinda Dallavalle, RRT  
Emily Axelson, SLP  
Emily Schmitt, OTR/L  
Andrea (Annie) Johnson, APRN, CNP  
Brenda Schiltz, MD (Peds)  
Emily McTate, PhD, LP  
Eli Grace, RN  
Paula Hampel, CCLS  
Mary McCoy, CCLS  
Macaila Eick, APRN, CNP  
Missy Smith, APRN, CNP  
Devin Roloff, MBA  
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Jason Rathbun, PT, DPT  
Stephanie Ritter, OT  
Kyle Bohman, MD  
Jillene Chitulangoma, PT, DPT  
Lydia Geiszler, OT, and Casey Schneider, OT  
Cristina Sisneros, OT, OTD  
Catherine Shonley, CCC-SLP  
Darcie Simpson, PT, DPT, PCS  
Tiffany Volk, RN  
Mary McCoy, CCLS  
Maureen Howell, MT-BC  
Ellen Butterfass, OT

Emily Hosfield, SLP

## Bibliographic Resources

Harvey, M. A., Davidson, J. E. (2016). Postintensive Care Syndrome: Right care, right now ... and later. *Critical Care Medicine*, 44(2), 381-385.

McWilliams, D., Weblin, J., Atkins, G., Bion, J., Williams, J., Elliot, C., Whitehouse, T., Snelson, C. (2015). Enhancing rehabilitation of mechanically ventilated patients in the intensive care unit: a quality improvement project. *Journal of Critical Care*, 30(1). 13-18.





McWilliams, D., Weblin, J., Atkins, G., Bion, J., Williams, J., Elliot, C., Whitehouse, T., Snelson, C. (2015). Enhancing rehabilitation of mechanically ventilated patients in the intensive care unit: a quality improvement project. *Journal of Critical Care*, 30(1). 13-18.











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Malone, D., Ridgeway, K., Nordon-Craft, A., Moss, P., Schenkman, M., Moss, M. (2015). Physical therapist practice in the intensive care unit: Results of a national survey. *Physical Therapy*. 95(10). 1335-1344.

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| Faculty                     | Biography  | Disclosure forms   |
|-----------------------------|--|--|
| Emily Axelson, MS, CCC- SLP | Emily Axelson is a Speech Language Pathologist and acute Speech Pathology lead at Mayo Clinic. She has worked as an SLP for 13 years and has worked at Mayo Clinic for 8 years. She has a special interest in evaluation and treatment of medically complex patients including those with neurologic injury, tracheostomy, and/or ventilator dependence to address communication, cognition, and swallow. She has worked with teams on a Quality Improvement Project that improved processes for managing patients with tracheostomy and speaking valve in the respiratory care unit. She is currently working with PM&R to apply best practice guidelines for patients with disordered consciousness. | <br>Axelson.pdf<br><br>Axelson ASHA<br>Non-financial Disclosu        |
| Melinda Dallavalle, RRT     | Melinda Dallavalle RRT, LRT I have been at Mayo Clinic for 7 years. I graduated from Respiratory school in Maine and moved to Rochester after graduation. At Mayo clinic, I spend a lot of time in the Respiratory Care Unit at Mayo Clinic weaning patients from mechanical ventilation. I am passionate about tracheostomy cares and education to the patient and their families in regards to the trach.  | <br>Dallavalle.pdf<br><br>Dallavalle Melinda<br>ASHA Non-financial C |











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| Ashley Bailey,<br>RN, BSN           | Ashley has BSN from the University of Wisconsin Madison and 14 years of nursing experience with 10 of those as a nurse on the Mayo Clinic Medical/Surgical/Transplant ICU. She is a preceptor, charge and rapid response nurse on my unit. She has been involved with her units Coordinating Council and chaired the Intensive Care Specialty Nursing Practice Committee.   | <br>Bailey.pdf<br><br><br>Bailey, Ashley -ASHA<br>Non-financial Disclosu       |
| Kyle Bohman,<br>MD                  | Dr. Bohman is an Anesthesiologist and intensivist who grew up in the twin cities and has been at Mayo Clinic for more than 10 years now. His primary interests revolve around the Cardiac Surgical ICU including ECMO. He enjoys working in this multidisciplinary setting with such talented colleagues.   | <br>Bohman.pdf<br><br><br>Bohman ASHA<br>Non-financial Disclosi                |
| Ellen Butterfass,<br>OT             | Ellen Butterfass is a pediatric Occupational Therapist at Mayo Clinic Hospital - Rochester, Saint Marys Campus. She received her undergraduate degree from the College of St. Catherine. She has more than 19 years of clinical experience working with patients in the PICU, NICU and CVICU and specializes in fragile infant feeding and behavioral feeding. Ellen is also certified in neonatal touch and massage.   | <br>Butterfass.pdf<br><br><br>Butterfass ASHA<br>Non-financial Disclosi        |
| Jillene Chitulangoma<br>, PT, DPT   | Jillene Chitulangoma has been a physical therapist at Mayo Clinic Rochester since May 2010 working across all areas of the adult acute care practice. She graduated from the Mayo Clinic School of Health Sciences with a Doctor of Physical Therapy Degree in 2007. Jillene's special interest lies with the medically complex/critically ill patients. She has been integrally involved with the development of the embedded ICU therapy model at Mayo Clinic Rochester and has been a member of the embedded therapy team since its origination in 2016. Jillene has presented locally, nationally, and internationally on topics of early mobility, activity, and rehab in the ICU. | <br>Chitulangoma.pdf<br><br><br>Chitulangoma ASHA<br>Non-financial Disclosi |
|                                     |   |  |
| Macaila Eick<br>APRN, CNP,<br>ACHPN | She graduated with my Bachelor of Science degree in Nursing from Midland Lutheran College in Fremont, NE in 1995 and then worked for seven years as a Med/Surg and ICU nurse in Des Moines, IA. In 2002, she completed her Master of Science degree as a Family Nurse Practitioner from Drake University in Des Moines and then moved to Rochester to start an NP career at Mayo Clinic. She spent 15 years with Cardiovascular Surgery, both inpatient and outpatient care, prior to transferring to her current role with Palliative Care. She has an advanced nurse certificate in hospice and palliative care and is dual certified as a family nurse practitioner.                 | <br>Eick.pdf<br><br><br>Eick ASHA<br>Non-Financial Disclos                 |









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| Lydia Geiszler, OT | <p>Lydia Geiszler has been an acute care occupational therapist at Mayo Clinic since February of 2017. She completed her Bachelor of Science in Biology from University of Minnesota and her Master of Occupational Therapy from Midwestern University. She has worked in the imbedded therapy models in both the Medical and Cardiovascular Surgical ICUs. Her practice interests include addressing mental health in the ICU, ECMO patients, and delirium management. She also works with the interdisciplinary team of the Mayo Clinic ICU Recovery Program to follow up with ICU patients post-hospitalization.</p>  | <br>Geiszler.pdf<br><br><br>Geiszler ASHA<br>Non-financial Disclosu |
| Eli Grace, RN      | <p>Eli Grace, BSN is a psychiatric registered nurse working primarily on Generose 2 East, Acute Psych. Eli completed a bachelor's degree in psychology from St. John's University (MN) in 2015. While working on this degree, Eli had the opportunity to intern at The Passage, a homeless shelter in London, U.K. in 2014. He began working as a psychiatric tech on the inpatient adult mental health unit at St. Cloud Hospital shortly after graduation. In this role, Eli ran groups and provided psychiatric education to patients. While working in St. Cloud, Eli completed a bachelor's degree in nursing from the College of Saint Scholastic (MN) in 2019. He began working in his current role in Generose in February 2020. Eli also works as a Clinical Liaison RN, which is a new program that began in January 2021. In this role, Eli provides psychiatric education and coping skills for patients with a psychiatric consult on the medical units at Mayo Rochester. This position has given Eli the opportunity to explore mental health care for many different types of people, as opposed to working solely with patients with acute psychiatric disorders. Eli has a passion for increasing mental health awareness and its impact on holistic care of patients.</p> | <br>Grace.pdf<br><br><br>Grace ASHA<br>Non-financial Disclosu       |
| Paula Hampel, CCLS | <p>Paula Hampel, CCLS is the child life specialist supporting children of adult patients at Mayo Clinic - Rochester. After completing her bachelor's degree at the University of Missouri in Human Development and Family Studies, with an emphasis in Child Life in 2011, she began working as a Certified Child Life Specialist at the University of Missouri. In this role is where she first experienced supporting children in the adult ICU environments through consults services in various adult ICUs throughout the University. In 2015, she became a child life specialist at Mayo Clinic having experience in the Emergency Department, General Pediatrics, and Pediatric Cardiovascular ICU. She transitioned to solely supporting children of adult patients across both campuses of Mayo Clinic - Rochester in June of 2021. Paula is passionate about supporting children in these environments knowing the direct impact a parent or caregiver's healthcare experiences can have on a child.</p>  | <br>Hampel.pdf<br><br><br>Hampel ASHA<br>Non-financial Disclosu |



















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| Jamie Heyliger, Pharm D., RPh     | Jamie Heyliger graduated Massachusetts College of Pharmacy in 2013 and did a PGY-1 General Practice Residency at Baystate Medical Center in Springfield, MA. Subsequently, she went to the University of Kentucky Children's Hospital to do a PGY-2 Pediatric Residency and graduated in 2015. From there, she began her career as a Pediatric clinical pharmacist at the Mayo Clinic in Rochester, MN. In 2016, she joined the PICU Operations Committee as the pharmacy liaison and participated in the PICU Liberation initiative, creating a sedation protocol for the ABCDEF bundle. Practice interests include pediatric critical care, sedation, and medication safety.   | <br>Heyliger.pdf<br><br><br>Heyliger ASHA<br>Non-financial Disclosu          |
| Emily Hosfield, MS, CCC-SLP       | Emily graduated from the University of the District of Columbia with a M.S. in Speech-Language Pathology in 2013. She has worked for Mayo Clinic for 9 years. Her clinical work specializes in pediatric aerodigestive and adult swallowing disorders and she currently acts as the clinical coordinator of the pediatric aerodigestive and outpatient adult dysphagia practices. In 2020, she was recognized as an Instructor in Neurology in the Mayo Clinic College of Medicine and Science.  | <br>Hosfield.pdf<br><br><br>Hosfield ASHA<br>Non-financial Disclosu          |
| Maureen Howell, MT-BC             | Maureen Howell is a board-certified music therapist (MT-BC) serving inpatient pediatrics at the Mayo Clinic Children's Center in Rochester, MN. She has a diverse background as a performer, educator and researcher, with master's degrees in music performance, music psychology and music therapy. Maureen strives to help patients reach their goals through music and connection, as well as coordinate psychosocial and rehabilitative support as a member of the interdisciplinary care team.   | <br>Howell.pdf<br><br><br>Howell ASHA<br>Non-financial Disclosu            |
| Andrea (Annie) Johnson, APRN, CNP | Annie Johnson joined the staff of Mayo Clinic, Rochester in 2003 and is currently a nurse practitioner in Critical Care. Ms. Johnson developed and is the Medical Director of the Mayo Clinic ICU Recovery Program at Mayo Clinic in Rochester, MN. This multidisciplinary program consists of a face-to-face peer support group, an online support group, as well as an outpatient ICU recovery clinic. In addition to her clinical activities, Ms. Johnson is an executive and founding member of the Critical and Acute Illness Recovery Organization (CAIRO). She previously served as the co-chair of SCCMs THRIVE peer support collaborative and brings that experience to her current role as the co-chair of the CAIRO peer support collaborative. | <br>Johnson.pdf<br><br><br>Johnson, Annie ASHA<br>Non-financial Disclosu |







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| Yu Kawai, MD                    | Dr. Yu Kawai is an assistant professor at the Mayo Clinic and the Quality Director and an intensivist in the PICU. He completed his residency/fellowship training at the University of Michigan. Nationally, he is a member of the SCCM ICU Liberation Committee. Locally, He is the site-PI for the SCCM Pediatric ICU Liberation Collaborative, is on the Pediatric Delirium Team and the Early Mobility Team, and led the efforts in developing a pediatric delirium bundle and the early mobility program in the PICU.   | <br>Kawai.pdf<br><br><br>Kawai ASHA<br>Non-financial Disclosu       |
| Andrea Lehnertz, APRN, CNS, MSN | Andrea Lehnertz, APRN, CNS, MSN Worked at Mayo Clinic for 22 years with 17 of those years in critical care. During this time, Andrea has been a charge nurse, preceptor, member of the Rapid Response and Code Blue teams, served on unit and institutional committees and participated in numerous quality initiatives. Andrea's passion is nursing practice. She enjoys working alongside her phenomenal colleagues, caring for critically ill patients while improving patient outcomes   | <br>Lehnertz.pdf<br><br><br>Lehnertz ASHA<br>Non-financial Disclosu |
| Nanette Matzke R.R.T, L.R.T.    | Respiratory therapist for 23 years, 19 of those years in peds/ neonatal and also for Mayo One transport speciality teams. Part of the peds ICU liberation committee, developmental committee for the NICU.   | <br>Matzke.pdf<br><br><br>Matzke ASHA<br>Non-financial Disclosu     |
| Mary McCoy, CCLS, MA            | Mary McCoy, CCLS, MA is the child life specialist supporting children and families in the pediatric intensive care unit at Mayo Clinic - Rochester. She completed a bachelor's degree at the University of Minnesota- Rochester in Health Sciences in 2013. In 2017, she began working as a Certified Child Life Specialist at Mayo Clinic. Mary completed her Master's in Applied Child and Adolescent Development with an emphasis on Child Life and a minor in Integrative Therapies from the University of Minnesota in 2021. She has experience as a CCLS supporting families throughout inpatient and outpatient settings. Most recently she has supported families on General Pediatrics, inpatient physical rehab, and currently the PICU. Mary is passionate about providing family-centered care that emphasizes family-child attachment and play based therapeutic opportunities. | <br>McCoy.pdf<br><br><br>McCoy ASHA<br>Non-financial Disclosu   |
| Emily McTate, PhD, LP           | Dr. McTate received her PhD from Saint Louis University and completed her post-doctoral fellowship at the Mayo Clinic . She is currently an Assistant Professor in the Division of Child and Adolescent Psychiatry and Psychology, Department of Psychiatry & Psychology at the Mayo Clinic. She also holds a joint appointment in the Department of Pediatrics and serves as the Director of Psychosocial Services for Pediatric Hematology/Oncology. Clinically, she provides psychological evaluations and interventions for patients and families being treated within various pediatric   | <br>McTate.pdf<br><br><br>McTate ASHA<br>Non-financial Disclosu |

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|                              | <p>medical specialties both inpatient and outpatient. To-date her research has focused on patient self-management and communications (shared decision-making) with providers specifically for patients who have Sickle Cell Disease. She is also active in DEI efforts across the institution and was accepted as a health equity scholar for the American Psychosocial Oncology Society's class of 2022 scholars.</p>  |   |
| Laurie N. Mellon PT, DPT     | <p>Laurie earned her Doctorate in Physical Therapy from the University of North Florida in 2013. She has been practicing at Mayo Clinic in Jacksonville since 2016, where she holds Instructor level through Mayo Clinic Alix School of Medicine and Science and serves as Team Lead on the Critical Care Rehab Team. Laurie is recognized by the APTA as a Credentialed Clinical Instructor and has hosted several students in the ICU setting. Her practice interests include Clinical Education, Neuro and Acute Stroke, Transplant Rehabilitation, and Cardiopulmonary Physical Therapy in the critical care setting</p>  | <br>Mellon.pdf<br><br><br>Mellon ASHA<br>Non-financial Disclosu       |
| Richard Oeckler, MD          | <p>Dr. Richard Oeckler is Director of the Medical Intensive Care Unit, Assistant Professor of Medicine and Physiology, and Consultant in the Division of Pulmonary &amp; Critical Care Medicine at the Mayo Clinic in Rochester, Minnesota. Dr. Oeckler's clinical practice entails critical care medicine. He was a Parker B. Francis fellow in Pulmonary Research, and continues to conduct clinical and translational research in advanced mechanical ventilation including the prevention and treatment of acute lung injury, the acute respiratory distress syndrome (ARDS), refractory hypoxemia, and ventilator weaning.</p>   | <br>Oeckler.pdf<br><br><br>Oeckler ASHA<br>Non-financial Disclosu     |
| Shannon Piche, Pharm D., RPh | <p>Dr. Shannon Piche received her Doctor of Pharmacy degree from the University of Iowa College of Pharmacy and completed her general practice and critical care residency training at Mayo Clinic in Rochester, Minnesota. She holds board certification in Pharmacotherapy from the Board of Pharmaceutical Specialties. She is currently working as a Critical Care Clinical Pharmacist in the Immunocompromised ICU and Post-ICU Recovery Clinic at Mayo Clinic in Rochester, Minnesota. Dr. Piche's clinical interests include pulmonary complications of bone marrow transplant, transitions of care following critical illness and management of post intensive care syndrome.</p> | <br>Piche.pdf<br><br><br>Piche ASHA<br>Non-financial Disclosu     |
| Jason Rathbun, PT, DPT       | <p>I was born and raised in the Rochester, MN area. I attended the University of Minnesota where I completed my bachelor's degree in Exercise Physiology. I completed my Doctorate in Physical Therapy at Southwest Baptist University in Bolivar, MO. I have been a physical therapist at Mayo Clinic for 7 years. The past 5 years I have worked in the Work Rehabilitation Center. I am a clinical instructor for student physical therapists. I am a certified WorkWell provider. I assisted in the research, development, and implementation of the COVID-19 Activity Rehabilitation Program</p>   | <br>Rathbun.pdf<br><br><br>Rathbun ASHA<br>Non-financial Disclosu |

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|                        | and have been treating post-COVID syndrome patients since the summer of 2020.   |   |
| Stephanie Ritter OTR/L | Stephanie Ritter OTR/L attended the University of Wisconsin-La Crosse and received her Bachelors in Occupational Therapy in December of 2000. She has been at Mayo Clinic since 2001. She has worked in the areas of general acute care, dysphagia, Pain Rehabilitation Center, acute brain and outpatient cognitive rehab in the brain clinic. She has been working in the outpatient brain clinic since 2003. She has presented on the topic of cognitive rehabilitation at several local, state and international conferences. Since the beginning of the pandemic she has worked with many patients who are experiencing long term affects from COVID including cognitive difficulties.   | <br>Ritter.pdf<br><br><br>Ritter ASHA<br>Non-financial Disclosu       |
| Devin Roloff, MBA      | Devin Roloff is a Principal Health Systems Engineer in Strategy Consulting Services in Phoenix, Arizona. Devin partnered with the Mayo Clinic International team on several projects, including Mayo Clinic Healthcare London and embassy intake for international cancer patients. He served in a strategic partnership with the Critical Care Independent Multidisciplinary Program (IMP), working on projects that increased the value of care provided by improving quality and reducing cost through efficiency and standardization of the Critical Care practice. A few highlights are Embedded Early Mobility and Activity in a Mixed Medical/Surgical ICU, Critical Care IMP Master Plan, Automated External Defibrillator Data Extraction, and Physiologic Surveillance Monitoring in General Care. He received Excellence Through Teamwork Awards for his work on Early Mobility and Activity in the ICU and Project Gazelle. Devin has a Master's in Business Administration from Eastern Illinois University. | <br>Roloff.pdf<br><br><br>Roloff ASHA<br>Non-financial Disclosu       |
| Brenda Schiltz, MD     | Dr. Brenda Schiltz is a pediatric intensivist at Mayo Clinic. She joined the staff in 2011 after previously working at the Children's Hospital of Wisconsin, where she also completed residency and fellowship training. She has a strong interest in post-ICU care of children and families who suffer serious illness. In addition to her work in the ICU, she is also board certified in hospice and palliative medicine.  | <br>Schiltz.pdf<br><br><br>Schiltz ASHA<br>Non-financial Disclosu |
| Emily Schmitt, OTR/L   | Emily Bodensteiner Schmitt has worked at Mayo Clinic Rochester as an occupational therapist since September 2016, and her career to date has been dedicated to ICU rehab. She currently serves at the ICU clinical lead OT, and she is a Mayo Clinic Gold Quality fellow. She is actively involved in research, projects, committees, and presentations related to the ICU embedded therapy model, delirium management, and Post-Intensive Care Syndrome. Emily completed her Master of Occupational Therapy degree at the University of Minnesota Rochester in 2016 and her Occupational   | <br>Schmitt.pdf<br><br><br>SchmittASHA<br>Non-financial Disclosu  |

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|                               | Therapy Doctorate at University of St. Augustine for Health Sciences in 2022.  |   |
| Casey Schneider, OT           | Casey Schneider has been an acute care occupational therapist at Mayo Clinic since June of 2019. She completed her Bachelor of Science in Rehabilitative Medicine and her Master of Science in Occupational Therapy from Saginaw Valley State University in Michigan. She has worked as part of the imbedded therapy team in the Medical Intensive Care Unit since 2020. Her practice interests include addressing respiratory conditions, delirium management, and navigating the challenges of long-term patients in the critical care setting.  | <br>Schneider.pdf<br><br><br>Schneider ASHA<br>Non-financial Disclosu   |
| Catherine Shonley, MA CCC-SLP | Catherine Shonley earned her BA in communication sciences and disorders from Northwestern University in 2008, followed by her MA in speech-language-hearing sciences from The University of Minnesota in 2010. She completed her clinical fellowship at Mayo Clinic and has enjoyed the variety of patients and invaluable mentorship of her colleagues ever since. She works with adults primarily focusing on dysphagia arising from neurologic injury and illness, head and neck cancer, and many other etiologies.   | <br>Shonley.pdf<br><br><br>Shonley ASHA<br>Non-financial Disclosu       |
| Darcie Simpson, PT, DPT       | Darcie Simpson, PT, DPT is a pediatric physical therapist with more than 16 years of clinical experience in pediatric acute care at Mayo Clinic. She earned her master's in physical therapy from Mayo School of Health Sciences in 2003 and her doctorate in physical therapy from Rocky Mountain University of Health Professions in 2015. She has been a Board Certified Clinical Specialist in Pediatrics since 2016. Her areas of specialty include PICU, NICU, and pediatric cardiac ICU. Since 2016, she has been working collaboratively with an interdisciplinary team of ICU champions to develop and implement PICU Liberation and Early Mobility in our PICU. She is also involved in clinical education and is a guest lecturer for pediatric acute care at the Mayo School of Health Sciences Program in Physical Therapy. | <br>Simpson.pdf<br><br><br>Simpson ASHA<br>Non-financial Disclosu    |
| Cristina Sisneros OTD, OTR/L  | Cristina graduated from Creighton University in 2020 with a doctorate in occupational therapy. She briefly worked at an outpatient pediatric clinic in Nebraska prior to moving to Minnesota for the AOTA Dysphagia Fellowship. She was the Mayo Clinic Rochester AOTA Dysphagia Fellow from 2021-2022. During the fellowship she was immersed in the adult dysphagia practice covering all adult units within the hospital including the ICU. Her interest topics during the fellowship included advocacy, and evidence-based practice for cardiac and transplant populations. Her interest in feeding, eating, and swallowing lead to her new position as a pediatric occupational therapist at Mayo Clinic Rochester where she will continue to address dysphagia in the pediatric population.  | <br>Sisneros.pdf<br><br><br>Sisneros_ASHA<br>Non-financial Disclosu |

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| <p>Melissa Smith, APRN, CPNP, MSN</p> | <p>Melissa (Missy) received her BSN from the University of Iowa and completed her Pediatric Nurse Practitioner master's program at St. Catherine University in St. Paul, Minnesota. She has been at Mayo Clinic for over 20 years, with 4 years in Pediatric Palliative care. She also has a background in nursing administration, pediatric primary care, emergency medicine, and pediatric intensive care.</p> | <div data-bbox="1203 155 1255 218"></div> <div data-bbox="1183 222 1276 247">Smith.pdf</div> <div data-bbox="1203 289 1255 352"></div> <div data-bbox="1130 357 1333 407">Smith ASHA<br/>Non-financial Disclosu</div> |
| <p>Tiffany L Volk, RN</p>             | <p>I have been a Pediatric ICU nurse for 9yrs, 6yrs at Mayo Clinic. I am a unit Charge nurse, RRT/Code RN, preceptor for both PICU and Peds Hem/Onc. I have a special interests in quality improvement and Early Mobility especially in the Pediatric population.</p>  | <div data-bbox="1203 422 1255 485"></div> <div data-bbox="1187 489 1268 514">Volk.pdf</div> <div data-bbox="1203 556 1255 619"></div> <div data-bbox="1130 623 1333 674">Volk ASHA<br/>Non-financial Disclosu</div>   |