

Christiane Perme, PT CCS

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Education

B.Sc.: Physical Therapy - Pontific Catholic University of Campinas.
Campinas, SP - Brazil. 1978-1981.

Certifications

- Advanced Cardiovascular Life Support 2008
- Board Certified Cardiovascular and Pulmonary Clinical Specialist by the American Physical Therapy Association 2005

Employment

- Houston Methodist- Medical Center** - Houston, TX. 1986 - Present
 - Current position: Senior Physical Therapist
 - Practice includes a variety of complex acute care patients in the areas of Cardiovascular and Pulmonary, Orthopedics, and Transplants. In the past 20 years practiced primarily in Cardiovascular and Medical Intensive Care Units, with special interest in patients requiring mechanical ventilation
- Motivations, INC** - Fort Mill, SC - Staff Lecturer 2006- Present
- Education Resources, INC** - Medfield, MA - Staff Lecturer 2006- Present
- IMESP School of Physical Therapy** - Acute Care Clinical Instructor - Presidente Prudente, SP - Brazil 1982-1985

Licensure

- Texas Board of Physical Therapy Examiners - License number: 1049112 Since 1987

Professional Affiliations

- Member of the Board of Directors Texas Chapter of the Society of Critical Care Medicine 2009- Present
- Member of the Annual Conference Planning Committee - American Physical Therapy Association 2007-2010
- Society of Critical Care Medicine 2005- Present
- Texas Chapter of the Society of Critical Care Medicine 2005- Present
- American Physical Therapy Association 1999- Present

- Texas Physical Therapy Association 1999- Present

Grants

- The Methodist Hospital Research Institute – Houston, TX. Research Project: **“Reliability and Validity of Perme ICU Mobility Score”** 2011
- The Methodist Hospital Research Institute – Houston, TX. Research Project: **“Safety and Efficacy of Mobilizing Patients in ICU Who Have Femoral Catheters”** 2009

Awards

- **Excellence in Clinical Practice.** Texas Physical Therapy Association Southeastern District 2012
- **Mary Sinnott Award for Clinical Excellence in Acute Care.** Acute Care Section of the American Physical Therapy Association 2010
- **2015 Acute care Section Award.** Acute Care Section of the American Physical Therapy Association 2014

Language

- Fluent in written and spoken: English, Portuguese, and Spanish

Peer Reviewed Publications

- Perme C et al. **The Development of a new tool to assess mobility status in critically ill patients: The Perme Intensive Care Unit Mobility Score.** Houston Methodist DeBakey Cardiovascular Journal (MDCVJ) 2014. Issue 10, number 1, pages 41 – 49 2014
- Elliott D et al. **Exploring the Scope of Post-Intensive Care Syndrome Therapy and Care: Engagement of Non-Critical Care Providers and Survivors in a Second Stakeholders Meeting.** Crit Care Med. 2014 2014
- Nawa RK, Lettvin C, Winkelman C, Evora PR, Perme C. **Initial interrater reliability for a novel measure of patient mobility in a cardiovascular intensive care unit.** J Crit Care. 2014 Jun;29(3):475. Epub 2014 Jan 31. PubMed PMID: 24630690. 2014
- Perme C, Nalty, Winkelman C, Nawa RK, Masud F. **Safety and Efficacy of Mobility Interventions in Patients with Femoral Catheters in the ICU: A Prospective Observational Study.** Cardiopulmonary Physical Therapy Journal. 2013, Vol 24, No 2 :12-17 2013

- Needham DM et al. **Improving long-term outcomes after discharge from intensive care unit: Report from a stakeholders' conference.** Crit Care Med 2012 Vol. 40, No. 2
- Perme C et al. **Early Mobility and Walking for Patients with Femoral Arterial Catheters in Intensive Care Unit: a Case Series.** J. Acute Care Phys Ther; spring 2011, Vol 2, Number 1:30-34 2011
- Masud F, Zainab A, Ratnani I, Perme C, Vykoukal D. **Updates on critical care management of cardiovascular patients.** Methodist DeBakey Cardiovascular Journal 2011.Vol 7, Number 4, 28-32 2011
- Perme C, Chandrasekhar R. **Early Mobility and Walking Program for Patients in the Intensive Care Unit: Creating a Standard of Care.** Am J Crit Care. 2009 May; 18(3): 212-221 2009
- Perme C, Chandrasekhar R. **Managing the patient on Mechanical Ventilation in ICU: Early Mobility and Walking Program.** Acute Care Perspectives. Spring 2008, Vol 17, Number 1, 10-15 2008
- Perme C et al. **Early Mobilization of LVAD Recipients Who Require Prolonged Mechanical Ventilation.** Texas Heart Institute Journal 2006; 33: 130-3 2006

Other Publications

- Dean E, Perme C. **Monitoring systems in the intensive care unit.** In Frownfelter D, Dean E. (Eds.) Cardiovascular and Pulmonary Physical Therapy: Evidence and Practice (5th Ed.) Elsevier: PA, 2012 2011
- Dean E, Perme C. **Comprehensive management of individuals in the intensive care unit.** In Frownfelter D, Dean E. (Eds.) Cardiovascular and Pulmonary Physical Therapy: Evidence and Practice (5th Ed.) Elsevier: PA, 2012 2011
- Dean E, Perme C. **Intensive care unit management of individuals with primary cardiopulmonary dysfunction.** In Frownfelter D, Dean E. (Eds.) Cardiovascular and Pulmonary Physical Therapy: Evidence and Practice (5th Ed.) Elsevier: PA, 2012 2011
- Dean E, Perme C. **Intensive care unit management of individuals with secondary cardiopulmonary dysfunction.** In Frownfelter D, Dean E. (Eds.) Cardiovascular and Pulmonary Physical Therapy: Evidence and Practice (5th Ed.) Elsevier: A, 2012 2011

- Dean E, Perme C. **Complications, adult respiratory distress syndrome, shock, sepsis and multi-organ system failure.** In Frownfelter D, Dean E. (Eds.) Cardiovascular and Pulmonary Physical Therapy: Evidence and Practice (5th Ed.) Elsevier: PA, 2012 2011
- Chandrasekhar R, Perme C. **Monitoring and Life Support Equipment.** In: Hillegass E. Essentials of Cardiopulmonary Physical Therapy. (3rd Ed). Elsevier 2012 2011
- Dean E, Perme C. **Body positioning and mobilization.** In: JA Pryor, SA Prasad (Eds.), Physiotherapy for Respiratory and Cardiac Problems. (4th Ed) Churchill Livingstone, Inc., Edinburgh, 2007 2007
- Dekerlegand RL, Cahalin LP, Perme, C. **Respiratory Failure.** In: Cameron MH, Monroe, LG (Eds.). Physical Rehabilitation: Evidence-Based Examination, Evaluation, and Intervention. Saunders-Elsevier, 2007 2007

International Presentations

- “FUNDAMENTALS OF ICU REHAB”- Federal Research Clinical Center of specialized types of medical care and medical technologies of the Federal Medical and Biological Agency- **Moscow-Russia** Sept 2014
- MOBILIZAÇÃO PRECOCE E ATENDIMENTO AO PACIENTE CRITICO EM UNIDADE DE TERAPIA INTENSIVA” - Hospital das Clinicas-Universidade de São Paulo. **Ribeirão Preto, São Paulo – Brazil** Oct 2013
- “CONCEITOS ATUAIS EM FISIOTERAPIA HOSPITALAR: ATENDIMENTO A PACIENTES CRÍTICOS COM ÊNFASE EM MOBILIZAÇÃO PRECOCE E DEAMBULAÇÃO.” – 8 hrs Instituto do Coração- InCOR - **São Paulo,- Brazil** Oct 2012
- “MOBILIZAÇÃO PRECOCE E ATENDIMENTO AO PACIENTE CRITICO EM UNIDADE DE TERAPIA INTENSIVA” 2 hrs.Hospital Sao Francisco. **Ribeirão Preto, São Paulo – Brazil** Aug 2012
- “CURRENT CONCEPTS IN ACUTE CARE: EARLY MOBILITY AND WALKING PROGRAM IN THE ICU” – 3-day course. Dept. of Physiotherapy, University of Nigeria Teaching Hospital. **Ituku-Ozalla, Enugu- Nigeria** Dec 2011
- “EARLY PHYSICAL EXERCISE AND WALKING IN ICU: ACCEPT THE CHALLENGE!” – 2 hrs. . **Amsterdam, Netherlands.** 16th Congress of the World Confederation for Physical Therapy June 2011

- “THE DEVELOPMENT OF A FUNCTIONAL MOBILITY SCALE (IFMS) TOOL FOR PATIENTS IN ICU. **Denver, CO.** May 2011
- 4th International Congress of ICU Rehabilitation
- “EARLY MOBILIZATION OF LVAD PATIENTS IN ICU”. The Methodist Hospital Cardiovascular International Lectures -2 hrs. **Teleconference Presentation to Berlin, Germany-** November 2010
- “CONCEITOS ATUAIS EM FISIOTERAPIA HOSPITALAR: ATENDIMENTO A PACIENTES CRÍTICOS COM ÊNFASE EM MOBILIZAÇÃO PRECOCE E DEAMBULAÇÃO.” – 3 Day course. I Congresso Internacional de Fisioterapia - Universidade Estadual Paulista. **Presidente Prudente, Sao Paulo- Brazil** August 2010
- “EARLY MOBILITY AND WALKING PROGRAM IN ICU: CREATING A STANDARD OF CARE- 3 hrs. University of Sao Paulo – Medical School. **Ribeirao Preto, Sao Paulo – Brazil** August 2008
- “EARLY MOBILITY OF THE POST-SURGICAL ICU PATIENT” The Methodist Hospital International Lecture Series – 3 hrs. **Teleconference with simultaneous translation to Mexico, Guatemala, Peru, Costa Rica, and Honduras** February 2008
- “WALKING: AN EVIDENCE–BASED APPROACH TO WEANING ICU PATIENTS FROM MECHANICAL VENTILATION”. 15th Congress of the World Confederation for Physical Therapy. **Vancouver, Canada.** June 2007
- Platform Presentation: “DEVELOPMENT OF A PHYSICAL THERAPY PROTOCOL FOR VENTILATOR DEPENDENT PATIENTS: CREATING A STANDARD OF CARE”. **Barcelona, Spain.** 14th Congress for the World Confederation for Physical Therapy. June 2003
- Platform Presentation: “EARLY MOBILIZATION AND AMBULATION OF A VENTILATOR DEPENDENT PATIENT AS A METHOD OF MINIMIZING LOSS OF FUNCTIONAL MOBILITY: A CASE REPORT”. **Barcelona, Spain.** 14th Congress for the World Confederation for Physical Therapy. June 2003

National Presentations

- “MECHANICAL VENTILATION: THE INPIRATIONS, EXPIRATIONS, AND FRUSTRATIONS OF PHYSICAL THERAPISTS. APTA Combined Sections Meeting – **Las Vegas, NV – 2 Hours** February 2014
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- 16 hour courses in the following cities: Casper, WI; Atlanta, GA; Dallas , TX; Chicago, Il;, Rochester, NH; St Augustine FL; San Diego, CA; Herrin, IL; Rochester, MI; Middletown, CY 2014
- “WEAKNESS IN THE CRITICALLY ILL: CLINICAL IMPLICATIONS FOR PHYSICAL THERAPISTS ACROSS THE CONTINUUM OF CARE. APTA Combined Sections Meeting – **San Diego, CA – 2 Hours** February 2013
- 8 or 16 hour courses in the following cities: Cleveland, OH; Saint Louis, MO; Corpus Christi, TX; New Brunswick, NJ; San Diego, CA; Huntsville, AL; Fort Worth, TX; Independence, MO. 2013
- Title: “LINES, TUBES, AND ICU EQUIPMENT: LIFELINE OR TRIPLINE?” APTA Combined Sections Meeting- **Chicago, IL – 2 Hours** February 2012
- 8 or 16 hour courses in the following cities: Atlanta, GA; Scottsdale, AZ; Portsmouth, NH; Hamilton, NJ, Evansville, IN; Mobile AL, Minneapolis, MN 2012
- 8 or 16 hour courses in the following cities: Richmond, VA; Las Vegas, NV; Evansville, IN, Los Angeles, CA; Fresno, CA; Dallas, TX
- Title: “MOBILIZING PATIENTS WITH FEMORAL CATHETERS IN ICU: CLINICAL CONSIDERATIONS” APTA Combined Sections Meeting- **San Diego, CA – 1.5 Hours** February 2011
- Title: “EARLY MOBILITY AND WALKING PROGRAM IN ICU” APTA Combined Sections Meeting - **San Diego, CA – 9 Hours** February 2010
- 8 or 16 hour courses in the following cities: Minneapolis, MN; Portland, OR; Phoenix, AZ; San Diego CA; Boston, MA, Knoxville, TN 2010
- 8 or 16 hour courses in the following cities: Bethesda, MD; Birmingham, AL; Atlanta, GA; Grand Rapids, MI; Boynton Beach, FL; San Antonio, TX; San Diego, CA; Danbury, CT; Winston Salem, NC 2009
- 8 or 16 hour courses in the following cities: San Diego, CA; Chicago, Il; Little Rock, AR; Nashville, TN; Kissimmee, FL; Richmond, VA; Atlanta, GA; Portland, OR; Framingham, MA; Houston, TX, Pasadena, TX; Council Bluffs, IO 2008
- 8 or 16 hour courses in the following cities: Dallas, TX; San Diego, CA; Oklahoma, AR; Medford, OR; Jacksonville, FL; Englewood, NJ; Atlanta, GA, Medina, OH; Lafayette, LA; St. Louis, MO; Phoenix, AR 2007
- 8 hour courses in the following cities: Houston, TX; Chicago, IL; Columbia, SC, Savannah, GA 2006

Continuing Education Courses Attended

- COMBINED SESSIONS MEETING-AMERICAN PHYSICAL THERAPY ASSOCIATION- **San Diego, CA** January 2013
- “IV SIMPÓSIO DE FISIOTERAPIA DO HOSPITAL DAS CLÍNICAS FMUSP E XIV JORNADA DE FISIOTERAPIA RESPIRATÓRIA DO Impor” **São Paulo, SP – Brazil** October 2012
- 41st CRITICAL CARE CONGRESS. SOCIETY OF CRITICAL CARE MEDICINE - **Houston, TX** February 2012
- COMBINED SESSIONS MEETING- AMERICAN PHYSICAL THERAPY ASSOCIATION- **Chicago, IL** February 2012
- 16th CONGRESS OF THE WORLD CONFEDERATION FOR PHYSICAL THERAPY - **Amsterdam, Netherlands** June 2011
- 4TH INTERNATIONAL CONGRESS OF ICU REHAB- **Denver, CO** May 2011
- COMBINED SESSIONS MEETING - AMERICAN PHYSICAL THERAPY ASSOCIATION - **New Orleans, LA** February 2011
- COMBINED SESSIONS MEETING - AMERICAN PHYSICAL THERAPY ASSOCIATION – **San Diego, CA** February 2010
- AMERICAN PHYSICAL THERAPY ASSOCIATION ANNUAL CONFERENCE - **Baltimore, MD** June 2009
- INTERNATIONAL AMERICAN THORACIC SOCIETY CONFERENCE - **San Diego, CA** May 2009
- COMBINED SESSIONS MEETING - AMERICAN PHYSICAL THERAPY ASSOCIATION **Las Vegas, NV** February 2009
- 15TH CONGRESS OF THE WORLD CONFEDERATION FOR PHYSICAL THERAPY - **Vancouver, Canada** June 2007
- BELGIUM SOCIETY OF PULMONOLOGY RESPIRATORY PHYSIOTHERAPY MEETING - **Oostende, Belgium** December 2005
- BELGIUM SOCIETY OF INTENSIVE CARE MEDICINE. 25th INTERNATIONAL SYMPOSIUM ON INTENSIVE CARE MEDICINE **Leuven, Belgium** November 2005