

September 2018

**Martha A.Q. Curley, RN, PhD, FAAN**

Ruth M. Colket Endowed Chair in Pediatric Nursing

**BUSINESS ADDRESS**

University of Pennsylvania  
School of Nursing  
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**EDUCATION**

|         |      |   |
|---------|------|---|
| Ph.D.   | 1997 | Boston College<br>Chestnut Hill, MA 02467   |
| M.S.N.  | 1987 | Yale University<br>Clinical Nurse Specialist: Pediatric Acute Care Nursing<br>New Haven, CT 06536 |
| B.S.    | 1985 | University of Massachusetts – Amherst, Nursing<br>Amherst, MA 01003                               |
| Diploma | 1973 | Springfield Hospital Medical Center, Nursing<br>Springfield, MA 01199                             |

**Fellowships**

|           |  |
|-----------|--|
| 1994-1997 | Fellow, Nursing Research<br>Boston College; Chestnut Hill, MA 02467                |
| 1986-1988 | Louise Mellen Fellow Critical Care Nursing<br>Yale University; New Haven, CT 06536 |

**PROFESSIONAL EXPERIENCE**

**ACADEMIC POSITIONS**

|              |   |
|--------------|---|
| 2010-present | Professor of Nursing<br>Ruth M. Colket Endowed Chair in Pediatric Nursing (2018-present)<br>Ellen and Robert Kapito Professor in Nursing Science (2011-2017)<br>School of Nursing |
|--------------|---|

Secondary Appointment: Anesthesia and Critical Care Medicine  
Perelman School of Medicine  
University of Pennsylvania, Philadelphia, PA

- 2007-2017      Lecturer (part time) - Anesthesia  
Harvard Medical School, Boston, MA
- 2007-2010      Associate Professor (with tenure)  
Killebrew-Censits Endowed Term Associate Professor (2008)  
School of Nursing  
Secondary Appointment: Anesthesia and Critical Care Medicine  
Perelman School of Medicine  
University of Pennsylvania, Philadelphia, PA
- 2006-2007      Adjunct Associate Professor - Pediatric Nursing  
Associated Faculty, School of Nursing  
University of Pennsylvania, Philadelphia, PA
- 2004-2007      Assistant Clinical Professor - Anesthesia  
Harvard Medical School, Boston, MA
- 2001-2004      Instructor in Anesthesia  
Harvard Medical School, Boston, MA
- 2000-2007      Visiting Scholar  
School of Nursing, Boston College, Boston, MA
- 1997-2006      Adjunct Assistant Professor - Pediatric Nursing  
Associated Faculty, School of Nursing  
University of Pennsylvania, Philadelphia, PA

## **CLINICAL POSITIONS**

### **Children's Hospital of Philadelphia, Philadelphia, PA**

2018-present      Ruth M. Colket Endowed Chair in Pediatric Nursing

### **Boston Children's Hospital, Boston, MA**

- 2007-2017      Nurse Scientist, Critical Care & Cardiovascular Nursing
- 2005-2007      Faculty, Program for Patient Safety and Quality
- 2000-2007      Director Nursing Research, Critical Care & Cardiovascular Nursing
- 2000- 2001      Director, Center for Clinical Innovation and Scholarship in Pediatric Nursing

- 1992-1993 Interim Nurse Director, Multidisciplinary ICU  
1987- 2001 Clinical Nurse Specialist, Multidisciplinary ICU

**Baystate Medical Center, Springfield, MA**

- 1981-1985 Critical Care Instructor, Pediatric Intensive Care Unit  
1973-1981 Staff Nurse, General and Pediatric Intensive Care Units

**LICENSURE**

- 2007-present Pennsylvania License (Nursing) #RN582079  
1973-present Massachusetts License (Nursing) #119733

**HONORS AND AWARDS**

- 2017 Thomas Vargo Lecture (First Nurse Recipient)  
Texas Children's Hospital
- 2016 National Academy of Medicine  
Member
- 2016 Hugh P. Davis Lecture  
Nell Hodgson Woodruff School of Nursing  
Emory University
- 2015 Anna Reynvaan Lecture  
Amsterdam, Netherlands
- 2015 Distinguished Contributions to Nursing Research Award  
ENRS - Eastern Nursing Research Society
- 2014 Nurse Researcher Hall of Fame  
Sigma Theta Tau International Honor Society of Nursing
- 2013 Presidential Citation  
Society of Critical Care Medicine
- 2013 Selected as one of "90 Nurses for 90 Years"  
Yale University School of Nursing
- 2013 Claire M. Fagin Distinguished Researcher Award  
University of Pennsylvania School of Nursing

- 2013 ACCM Distinguished Investigator Award  
Society of Critical Care Medicine
- 2012 Distinguished Research Lecturer Award  
American Association of Critical Care Nurses
- 2011 Elizabeth McWilliams Miller Award for Excellence in Research  
Sigma Theta Tau International Foundation for Nursing
- 2011 Research Award  
University of Pennsylvania School of Nursing  
Department of Family & Community Health - award to a department faculty member who demonstrates evidence of significant, outstanding and sustained contributions to an evolving scientific base for the discipline of nursing with translation of knowledge for application.
- 2010 Barbara J. Lowery Doctoral Student Organization Faculty Award –award given by the doctoral students to a member of the faculty that has advanced nursing science through exemplary doctoral student mentorship.
- 2009 1<sup>st</sup> Annual Memorial Lecture Mary Beth Esposito-Herr  
*Synergy: The Unique Relationship between Nurses and Patients.*
- 2009 2009 International Award; Best of Book Award; Sigma Theta Tau International  
*Synergy: The Unique Relationship between Nurses and Patients.*
- 2009 Marcia Kay Gillece Lecture; Chicago Memorial Hospital, IL  
*Parent presence during invasive procedures and resuscitation - Making change happen*
- 2009 New England Finalist and Winner Advancing and Leading the Profession  
*Nursing Spectrum's* Excellence Award
- 2009 Silver Remi Award; Training videos; Worldfest Houston  
*Training Parent Facilitators*
- 2007 Endowed Lecture - Mercy Children's Hospital, Kansas City
- 2007 Second Annual T. Garrett Rauch Memorial Lecture  
Children's Hospital of Philadelphia
- 2006 Visiting Scholar - Children's Hospital of Wisconsin
- 2005 Visiting Scholar - Center for Research in Chronic Disorders  
University of Pittsburgh School of Nursing

- 2005 Named Speaker; 7<sup>th</sup> Annual Convocation  
Center for Excellence in Chronic Illness Care; Yale University School of Nursing
- 2002 Norma J. Shoemaker Award; Society of Critical Care Medicine
- 2002 Book of the Year; American Journal of Nursing  
*Critical Care Nursing of Infants and Children*, Second edition
- 2000 Special Contributor Award; American Association of Critical Care Nurses
- 1998 Fellowship; American Academy of Nursing
- 1998 Nursing Research Award; Baystate Medical Center Nurses Alumni
- 1997 Distinguished Alumna Award; Yale University School of Nursing
- 1997 Book of the Year; American Journal of Nursing  
*Critical Care Nursing of Infants and Children*, First edition
- 1996 Lifetime Membership; American Association of Critical Care Nurse
- 1989 Media-Electronic Award; Sigma Theta Tau International
- 1988 "125 Alumni to Watch"; University of Massachusetts - Amherst
- 1987 Andrew A. Veckerelli Prize; Yale University School of Nursing

## **RESEARCH**

### **Doctoral Dissertation**

Curley, M.A.Q. (1997). *Clinical predictors of progress in weaning pediatric patients with acute respiratory failure from mechanical ventilation*. (Doctoral dissertation). Boston College, Boston, MA. Dissertation Supervisor: Mary E. Duffy, R.N., PhD DAI: 2000013709.

### **Funded Research Grants**

Principal Investigator: \$19.8M      Co-Investigator: \$30.1M

*PROSpect: Prone and Oscillation Pediatric Clinical Trial*

UG3HL141736

2018-19

Principal Investigators: M.A.Q. Curley (50%; Contact PI); I. Cheifetz; M.C.J. Kneyber  
\$1.7 Million

*Identifying and preventing ventilator induced diaphragm weakness in children*

R01 HL134666  
2017-2022  
Principal Investigator: Robinder G. Khemani, MD  
Co-investigator: M.A.Q. Curley (10% effort years 1-5)  
\$2.8 Million

Eunice Kennedy Shriver National Institute of Child Health & Human Development  
*RESTORE resilience in critically ill children*  
R21 HD093369  
2017-2019  
Multiple Principal Investigators: M.A.Q. Curley, S.R. Kudchadkar, A.F. Zuppa, (2.5% effort years 1-2)  
\$275,000

Eunice Kennedy Shriver National Institute of Child Health & Human Development  
*Sedation Strategy and Cognitive Outcome after Critical Illness in Early Childhood*  
R01 HD074757  
2013-2019  
Multiple Principal Investigators: M.A.Q. Curley & R.S. Watson (25% effort years 1-5)  
\$3.1 Million

2013 AACN Impact Research Grant  
*Predicting Immobility-related and Medical Device-related Pressure Ulcer Risk in Pediatric Patients*  
2013-2014  
Principal Investigator: M.A.Q. Curley  
\$49,135

National Institute of Nursing Research  
*Transitional Telehealth Home Care: REACH*  
R01 NR002093  
2011-2016  
Principal Investigator: Barbara Medoff-Cooper  
Co-investigator: M.A.Q. Curley (5% effort years 1-5)  
\$3.4 Million

National Heart, Lung, and Blood Institute (NHBLI)  
*HALF-PINT: Heart And Lung Failure – Pediatric INSulin Titration trial*  
R01 HL107681 and R01 HL108028  
2011-2016  
Principal Investigators: M. Agus, MD; V. Nadkarni, MD  
Co-investigator: M.A.Q. Curley (10% effort years 1-5)  
\$13.4 Million

National Heart, Lung, and Blood Institute (NHBLI)

*Impact of pharmacokinetics and pharmacogenetics on the duration of mechanical ventilation in pediatric patients with acute respiratory failure*

R01 HL098087

2009-2013

Principal Investigator: A. F. Zuppa, MD

Co-investigator: M.A.Q. Curley (10% effort years 1-5)

\$1.7 Million

[Ancillary to: *Sedation management in pediatric patients supported on mechanical ventilation for acute respiratory failure* 1 U01 HL086622-01A1 and 1 U01 HL086649-01A1]

National Heart, Lung, and Blood Institute (NHBLI)

*Genetic variation and biomarkers in children with acute lung injury*

R01 HL095410

2009-2014

Principal Investigators: M. Quasney, MD and H. Flori, MD

Collaborator: M.A.Q. Curley

\$1.5 Million

[Ancillary to: *Sedation management in pediatric patients supported on mechanical ventilation for acute respiratory failure* 1 U01 HL086622-01A1 and 1 U01 HL086649-01A1]

National Heart, Lung, and Blood Institute (NHBLI)

Nation Institute of Nursing Research (NINR)

*Sedation management in pediatric patients supported on mechanical ventilation for acute respiratory failure*

U01 HL086622 and U01 HL086649

2008-2015

Principal Investigator: M.A.Q. Curley (60% effort years 1-5)

DCC Principal Investigator: D. Wypij

\$12 Million

Agency for Healthcare Research and Quality (AHRQ)

*Children's Hospital Boston Center of Excellence for Quality Measurement*

U18 HS020513

2011-2013

Principal Investigator: M. Schuster, MD, PHD

Co-investigator: M.A.Q. Curley (5% effort years 1-2)

\$8.0 Million

National Institute of Nursing Research

*Toward optimal end-of-life care in the PICU*

R01 NR09298

2005-2009

Principal Investigator: Robert Truog, MD

Co-investigator: M.A.Q. Curley (3% effort years 1, 2, 4)

\$2.1 Million

Gustavus and Louise Pfeiffer Foundation

*Sedation management in pediatric patients supported on mechanical ventilation for acute respiratory failure*

2004-2008

Principal Investigator: M.A.Q. Curley

\$225,000

Eunice Kennedy Shriver National Institute of Child Health & Human Development

*Sedation management in pediatric patients supported on mechanical ventilation for acute respiratory failure*

R21 HD045020

2001-2006

Principal Investigator: M.A.Q. Curley

\$371,425

Society of Critical Care Medicine

2003 Norma J. Shoemaker Grant for Critical Care Nursing Research

*Does the use of a moisture chamber decrease the incidence of corneal abrasions in critically ill pediatric patients?*

2003-2004

Principal Investigator: L. Sorce; Chicago Memorial Hospital

Senior Investigator: M.A.Q. Curley

\$15,000

American Association of Critical Care Nursing Critical Care Grant

*Does the use of a moisture chamber decrease the incidence of corneal abrasions in critically ill pediatric patients?*

2003-2004

Principal Investigator: L. Sorce; Chicago Memorial Hospital

Senior Investigator: M.A.Q. Curley

\$15,000

National Institute of Nursing Research

*Prone positioning in pediatric acute lung injury*

RO1 NR05336

2001-2006

Principal Investigator: M.A.Q. Curley

\$2,268, 279

AACN Certification Corporation Research Grant

*Phase one instrument development: "Parents perceptions of being cared for well"*

2001-2002

Principal Investigator: M.A.Q. Curley

\$10,000

AACN Certification Corporation Research Grant



*Patients' and families perceptions of being cared for well.*

2000-2001

Co-Principal Investigators: D. Stannard and M.A.Q. Curley

\$10,000

Society of Critical Care Medicine

1998 Norma J. Shoemaker Grant for Critical Care Nursing Research

*Phase one study of early repeated prone positioning on clinical outcomes in pediatric patients with acute respiratory failure.*

1998-2000

Principal Investigator: M.A.Q. Curley

\$15,000

AACN-Sigma Theta Tau International Critical Care Grant

*Phase one study of early repeated prone positioning on clinical outcomes in pediatric patients with acute respiratory failure.*

1998-1999

Principal Investigator: M.A.Q. Curley

\$10,000

Sigma Theta Tau International/Virginia Henderson Clinical Research Grant

*Phase one study of early repeated prone positioning on clinical outcomes in pediatric patients with acute respiratory failure.*

1997-1998 (1<sup>st</sup> recipient)

Principal Investigator: M.A.Q. Curley

\$5,000

### **Advisory Board**

Care Transitions and Teamwork in Pediatric Trauma: Implications for HIT Design

AHRQ

Principal Investigator: A.P. Gurses, PhD

Johns Hopkins University

### **Data Safety Monitoring Board**

#### **KL-4 AHRF-01 Protocol**

*A multicenter, randomized, masked, placebo-controlled trial to assess the safety and efficacy of LUCINACTANT in acute hypoxemic respiratory failure in children up to two years of age*

Principal Investigator: C. Guardia, MD, Discovery Laboratories Inc.

Chair DSMB: M.A.Q. Curley

### **Funded Program Grants - Educational**

Educational Initiatives/Investing In The Future

PENN Nursing

*Undergraduate curriculum revision project*

2009-2010

Award: P. D'Antonio & M.A.Q. Curley, Co-Chairs, Undergraduate Curriculum Committee  
\$20,000

Hahnemann Hospital Foundation

*Parent presence during a child's invasive procedure and/or resuscitation*

2006-2007

Principal Investigator: M.A.Q. Curley

\$35,000

## **PUBLICATIONS**

**Scopus: 7005220720**

**Orcid: 0000-0001-5228-6694**

**ResearcherID: F-3579-2016**

**Journal Articles: Research, Peer Reviewed** (\* indicates data-based)

\*Clapp, J.T., Diraviam, S.P., Lane-Fall, M.B., Szymczak, J.E., Muralidharan, M., Chung, J.J., Gutsche, J.T., Curley, M.A.Q., Berns, J.S., Fleisher, L.A. (in review). The Nephrology Consultant in the Intensive Care Unit: A Qualitative Study of 1 Interdisciplinary Interaction.

\*Staveski, S.L., Pickler, R.H., Khourdy, P. .... Curley, M.A.Q., (in review) Prevalence of ICU Delirium in Postoperative Pediatric Cardiac Surgery Patients. *Pediatr Crit Care Med*.

\*Flori, H., Sapru, A., Quasney, M.W., Gildengorin, G., Curley, M.A.Q. Matthay, M.A., Dahmer, M.K., and for the BALI and RESTORE Study Investigators and Pediatric Acute Lung Injury and Sepsis (PALISI) Network. (in review). A Prospective Investigation of Interleukin-8 Levels in Pediatric Acute Respiratory Failure and Acute Respiratory Distress Syndrome.

\*de Jager, P., Kamp, Y., Dijkstra, S.K., Burgerhof, Markhorst, D.G., Curley, M.A.Q., Cheifetz, I.M., Martin C.J. Kneyber, M.C.J. (in press) Feasibility and safety of a physiologic, open-lung high – frequency oscillatory ventilation approach in children. *Annals of Intensive Care*.

\*Zuppa, A.F., Conrado, D.J., Zane, N.R., Curley, M.A.Q., Bradfield, J., Hakonarson, H., Gastonguay, M.S., Moorthy, G., Prodell, J., Gastonguay, R.R. (2019). Midazolam Dose Optimization in Critically Ill Pediatric Patients with Acute Respiratory Failure: A Population Pharmacokinetic-Pharmacogenomic Study. *Crit Care Med*.

\*Best, K.M., Asaro, L.A., Curley, M.A.Q. for the RESTORE Study Investigators. (in press). Sedation management for critically ill children with pre-existing cognitive impairment: Is it different? *J Pediatr*.

\*Dahmer, M.K., Quasney, M.W., Sapru, A., Gildengorin, G., Curley, M.A.Q. Matthay, M.A., and Flori, H., for the BALI and RESTORE Study Investigators and Pediatric Acute Lung Injury and Sepsis (PALISI) Network. (in press). Interleukin-1 receptor antagonist is associated with pediatric

acute respiratory distress syndrome and worse outcomes in children with acute respiratory failure. *Pediatr Crit Care Med*.

\*Staveski, S.L., Pickler, R.H., Lin, L., Shaw, R.J., Meinzen-Derr, Redington, A. Curley, M.A.Q. (2018). Management of Pediatric Delirium in Pediatric Cardiac Intensive Care Patients: An International Survey of Current Practices. *Pediatr Crit Care Med* 2018; 19:538–543. (PMID: 29863637)

\*Barbaro, R.P., Xu, Y., Borasino, S., Truemper, E.J., Watson, R.S., Thiagarajan, R.R., Wypij, D., Curley, M.A.Q., for the RESTORE Study Investigators. (2018). Extracorporeal Membrane Oxygenation in severe pediatric acute respiratory failure – a matched analysis. *Am J Respir Crit Care Med*. 197(9):1177-1186. (PMID: 29373797)

\*Lebet, R., Asaro, L.A., Zuppa, A.F. Curley, M.A.Q. (2018). Face and Content Validity of Variables Associated with the Difficult-to-Sedate Child in the Pediatric Intensive Care Unit: A Survey of Pediatric Critical Care Clinicians. *Australian Critical Care*; 31(3): 167-173. (PMID: 29567042)

\*Watson, R.S., Asaro, L.A., Hertzog, J.H., Sorce, L., Kachmar, A.G., Dervan, L.A., Angus, D.C., Wypij, D., Curley, M.A.Q., for the RESTORE Study Investigators\* and the Pediatric Acute Lung Injury and Sepsis Investigators (PALISI) Network. (2018). Long-term outcomes after protocolized sedation vs usual care in ventilated pediatric patients. *Am J Respir Crit Care Med*. 197(11):1457-1467. (PMID: 29313710)

\*Curley, M.A.Q., Hasbani, N.R., Quigley, S.M., Stellar, J.J., Pasek, T.A., Shelley, S.S., Kulik, L.A., Chamblee, T.B., Dilloway, M.A., Caillouette, C.N., McCabe, M.A., Wypij, D., (2018) Predicting pressure injury risk in pediatric patients: the Braden QD Scale. *J Pediatr* 2018;192:189-95). (PMID: 29246340)

\*Froh, E.B., Deatrick, J.A., Curley, M.A.Q., and Spatz, D.L. (2017). Mothers of infants with congenital diaphragmatic hernia describe “Breastfeeding” in the Neonatal Intensive Care Unit: “As long as it’s my milk, I’m happy”. *Journal of Human Lactation: Official Journal of International Lactation Consultant Association*; 33(3):524-532. (PMID: 28609176)

\*Schneider, J.B., Sweberg, T., Asaro, L.A., Kirby, A., Wypij, D., Thiagarajan, R.R., Curley, M.A.Q. for the RESTORE Study Investigators. (2017). Sedation Management in Children Supported on Extracorporeal Membrane Oxygenation for Acute Respiratory Failure. *Crit Care Med*; 45(10): e1001–e1010 (doi: 10.1097/CCM.0000000000002540).

\*Lebet, R., Hayakawa, J., Chamblee, T.B., Tala, J.A., Singh, N., Wypij, D., Curley, M.A.Q. for the RESTORE Study Investigators. (2017). Maintaining Interrater Agreement of Core Assessment Instruments in a Multisite Randomized Controlled Clinical Trial. *Nursing Research*, 66(4), 323–329. (PMID: 28654569)

\*Natale JE, Lebet R, Joseph JG, Ulysse C, Ascenzi J, Wypij D, Curley MAQ. for the Randomized Evaluation of Sedation Titration for Respiratory Failure (RESTORE) Study Investigators (2017)

Racial and ethnic disparities in parental refusal of consent in a large, multisite pediatric critical care clinical trial. *The Journal of Pediatrics. J Pediatr*, 184, 204-208. (PMID: 28410087)

\*Weiss, S.L., Asaro, L.A., Flori, H.R., Allen, G.L., Wypij, D., Curley, M.A.Q., for the RESTORE Study Investigators. (2017). Multiple Organ System Dysfunction in Children Mechanically Ventilated for Acute Respiratory Failure. *Pediatr Crit Care Med*, 18, 319–329. (PMCID: PMC5380520)

\*Agus, M.S.D., Wypij, D., Hirshberg, E.L., Srinivasan, V., Faustino, E.V., Luckett, P.M., Alexander, J.L., Asaro, L.A., Curley, M.A.Q., Steil, G.M., Nadkarni, V.M. for the HALF-PINT Study Investigators and the PALISI Network. (2017). Tight glycemic control in critically ill children. *N Engl J Med*, 376:729-741. (PMID: 28118549)

\*Faustino, E.V.S., Gedeit, R., Schwarz, A.J., Asaro, L.A., Wypij, D. Curley, M.A.Q. for the RESTORE Study Investigators. (2017). Accuracy of an extubation readiness test in predicting successful extubation in children with acute respiratory failure from lower respiratory tract disease. *Crit Care Med*, 45(1), 94-102. (PMID: 27632676)

\*Best, K.M., Wypij, D., Asaro, L.A., Curley, M.A.Q. for the RESTORE Study Investigators. (2017). Patient, process and system predictors of iatrogenic withdrawal syndrome in critically ill children. *Crit Care Med*.45, e7-e15. (PMID: 27513532)

\*Gustafson, K., LaBrecque, M., Graham, D.A., Tella, N., Curley, M.A.Q. (2016). Parent Presence during Neonatal ICU Rounds, Impact on Parent Stress. *J Obstet Gynecol Neonatal Nurs*, 45(5), 661-670. (PMID: 27497030)

\*Grant, M.J.C., Schneider, J.B., Asaro, L.A., Dodson, B.L., Hall, B.A., Simone, S.L., Cowl, A.S., Munkwitz, M.M., Wypij, D., Curley, M.A.Q., for the RESTORE Study Investigators. (2016). Dexmedetomidine Use in Critically Ill Children with Acute Respiratory Failure. *Pediatr Crit Care Med*, 17: 1131-1141. (PMID: 27654816; PMCID: PMC5138139)

\*Ward, S.L., Quinn, C.M., Valentine, S.L., Sapru, A., Curley, M.A.Q., Willson, D.F., Liu, K.D., Matthay, M.A., Flori, H.R. (2016) Poor Adherence to Lung Protective Mechanical Ventilation in Pediatric Acute Respiratory Distress Syndrome. *Pediatr Crit Care Med*, 17(10):917-923. (PMID: 27513687)

\*Ward, S.L., Gildengorin, V., Valentine, S.L., Sapru, A., Curley, M.A.Q., Thomas, N., Willson, D.F., Flori, H.R. (2016) Impact of weight extremes on clinical outcomes in pediatric acute respiratory distress syndrome. *Crit Care Med*, 44(11), 2052–2059. (PMID: 27355525)

\*Bateman ST, Borasino S, Asaro LA, Cheifetz IM, Diane S, Wypij D, Curley MAQ for the RESTORE Study Investigators. (2016). Early high frequency oscillatory ventilation and clinical outcomes in pediatric acute hypoxemic respiratory failure: A propensity analysis. *Am J Respir Crit Care Med*, 193(5), 495-503. (PMID: 26492410; PMC4824923)

\*Best, K.M., Asaro, L.A., Franck, L.S., Wypij, D., Curley, M.A.Q. for the RESTORE Study

Investigators. (2016). Patterns of sedation weaning in critically-ill children recovering from acute respiratory failure. *Pediatr Crit Care Med*, 17(1):19–29. (PMID: 26509816; PMC4703577)

\*Froh, E.B., Deatrck, J.A., Curley, M.A.Q., Spatz, D.L. (2015). Making meaning of pumping for mothers of infants with congenital diaphragmatic hernia. *J Obstet Gynecol Neonatal Nurs*, 44(3), 439-49. (PMID: 25851118)

\*Curley, M.A.Q., Wypij, D., Watson, R.S., Grant, M.J.C., Asaro, L.A., Cheifetz, I.M., Dodson, B.L., Franck, L.S., Gedeit, R.G., Angus, D.C., Matthay, M.A., for the RESTORE Study Investigators and the Pediatric Acute Lung Injury and Sepsis Investigators (PALISI) Network. (2015). Protocolized Sedation versus Usual Care in Pediatric Patients Mechanically Ventilated for Acute Respiratory Failure: A Randomized Clinical Trial. *JAMA*, 313(4):379-389. (PMID: 25602358; PMC4955566)

\*Best, K.M., Boullata, J.I., Curley, M.A.Q. (2015). Risk factors associated with iatrogenic opioid and benzodiazepine withdrawal in critically ill pediatric patients: A systematic review and conceptual model. *Pediatr Crit Care Med*, 16(2), 175-183. (PMID: 25560429; PMC5304939 )

\*Manning, M.J., Gaureau, K., Curley, M.A.Q. (2015). Factors associated with occipital pressure ulcers in hospitalized pediatric patients. *Am J Crit Care*, 24(4), 342-348. (PMID: 26134335)

\*Staveski, S.S., Lincoln, P.A., Fineman, L.D., Asaro, L.A., Wypij, D., Curley, M.A.Q., (2014) Nurse decision-making regarding the use of analgesics and sedatives in the pediatric cardiac intensive care unit. *Pediatr Crit Care Med*. 15(8):691-697 (PMID: 25080151)

\*Sud, S., Friedrich, J.O., Adhikari, N.K.J., Taccone, P., Mancebo, J., Polli, F., Latini, R., Pesenti, A., Curley, M.A.Q., Fernandez, R., Chan, M-C., Beuret, P., Voggenreiter, G., Sud, M., Tognoni, G., & Gattinoni, L., Guérin, C., (2014). The effect of prone ventilation on mortality in patients with ARDS: A meta-analysis. *CMAJ*, 186(10):E381-E390. (PMID: 24863923)

\*Agus MS, Asaro LA, Steil GM, Alexander JL, Silverman M, Wypij D, Gaies MG; for the SPECS Investigators (including Curley, M.A.Q). (2014) Tight Glycemic Control after Pediatric Cardiac Surgery in High-Risk Patient Populations: A Secondary Analysis of the Safe Pediatric Euglycemia after Cardiac Surgery Trial. *Circulation*, 129(22), 2297-304. (PMID: 24671945; PMC4043858)

\*Hickey, P.A., Gauvreau, K., Curley, M.A.Q., Connor, J.A. (2013). Effect of Critical Care Nursing and Organizational Characteristics on Pediatric Cardiac Surgery Mortality in the United States. *J Nurs Adm*, 43(12), 637-44. (PMID: 24232237)

\*Murray, J.S., Noonan, C., Quigley, S., Curley, M.A.Q., (2013). Medical Device-Related Hospital-Acquired Pressure Ulcers in Children: An Integrative Review. *J Pediatr Nurs*, 28, 585–595. (PMID: 23810813)

\*Siow, E., Wypij, D., Berry, P., Hickey, P.A., Curley, M.A.Q. (2013). The Effect of Continuity in Nursing Care on Patient Outcomes in the Pediatric Intensive Care Unit. *J Nurs Adm*, 43(7/8), 394-402. (PMID: 23892304)

- \*Grant, M.C., Balas, M.C., Curley, M.A.Q. (2013). Defining sedation-related adverse events in the pediatric intensive care unit. *Heart Lung*. 42(3), 171-176. (PMID: 23643411; PMC3641854)
- \*Curley, M.A.Q., Hunsberger, M., Sion Kim Harris, S.K. (2013). Psychometric Evaluation of the Family-Centered Care Scale (FCCS) for Pediatric Acute Care Nursing. *Nurs Res*, 62(3) 160-168. (PMID: 23636343)
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**Abstracts** (not yet published in complete form, past 12 years; \* indicates data based, ∞ indicates peer reviewed)

\*∞ Stellar, J., Hasbani, N., Kulik, L., Quigley, S., Shelly, S., Curley, M.A.Q. (2019) Medical Device Related Pressure Injuries in Infants and Children: Findings and Implications of the Braden QD Study; WOCNext Conference.

- \*∞ Walsh L, Curley MAQ, Copnell B, Carter B, Tume L. (2018) An international survey of PICU nurses endotracheal suctioning practices – the PERSIST study. 9<sup>th</sup> Congress of the World Federation of Pediatric Intensive & Critical Care Societies. Singapore (June, 2018)
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- \*∞ Fraser H, Meehan P, Griffin C, Marine K, Obrien M, Curley MAQ. (2018) Let me sleep! Changing night-time culture in the PICU. 9<sup>th</sup> Congress of the World Federation of Pediatric Intensive & Critical Care Societies. Singapore (June, 2018)
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- \*∞ Kopp W, Gedeit RG, McLaughlin GE, Asaro LA, Wypij D, Curley MAQ for the RESTORE Investigators. (2018). Negative Effects of Pre-Intubation NIV Use in Pediatric ARDS. 47<sup>th</sup> Critical Care Congress, Society of Critical Care Medicine, San Antonio, TX (Feb, 2018) 2018 Star Research Achievement Award
- \*∞ Cheifetz IM, Sherwin JI, Asaro LA, Wypij D, Cassidy A, Kneyber MCJ, Curley MAQ. (2018). Pediatric intensivists ‘perceptions of a clinically meaningful improvement in ventilator-free days. 47<sup>th</sup> Critical Care Congress, Society of Critical Care Medicine, San Antonio, TX (Feb, 2018)
- \*∞ Sapru, A., Dahmer, M.K., Flori, H., Myung Shin Sim., Curley, M.A.Q., Matthay, M., Quasney, M.W for the BALI Study Investigators and Pediatric Acute Lung Injury and Sepsis (PALISI) Network. (2017) Elevated Plasminogen Activator Inhibitor-1 (PAI-1) plasma levels are associated with development of pediatric acute respiratory distress syndrome (PARDS) and clinical outcomes in intubated children with Acute Respiratory Failure. Oral. Pediatric Academic Societies (May)
- \*∞ Flori, H., Quasney, M.W., Sapru, A. Gildengorin, G., Curley, M.A.Q., Matthay, M., Dahmer, M.K., for the BALI Study Investigators and Pediatric Acute Lung Injury and Sepsis (PALISI) Network. (2017) Plasma Interleukin-8 (IL-8) is associated with severity of oxygenation defect and mortality in children with acute respiratory failure. Poster. Pediatric Academic Societies (May)
- \*∞ Dahmer, M.K., Flori, H., Quasney, M.W., Gildengorin, G., Curley, M.A.Q., Matthay, M., Sapru, A. for the BALI Study Investigators and Pediatric Acute Lung Injury and Sepsis (PALISI) Network. (2017) Plasma interleukin-1 receptor antagonist levels are associated with pediatric acute respiratory distress syndrome. Poster. Pediatric Academic Societies (May)

- \*∞ Walsh L, Carter B, Copnell B, Curley MAQ, Tume LN. (2017) An international survey of endotracheal suctioning by nurses in PICU. ESPNIC 2017
- \*∞ Snyder M, Garcia M, Hutchins L, Lee C, Curley MAQ. (2016). Circadian rhythms in the PICU from the parent's perspective. 8th World Congress on Pediatric Intensive and Critical Care, Toronto, Canada (June)
- \*∞ Broden E.G., Curley MAQ (2016) Impact of family presence during resuscitation on parent bereavement processes – An integrative review with nursing implications. 8th World Congress on Pediatric Intensive and Critical Care, Toronto, Canada (June)
- \*∞ Meehan P, Marine K, Jean S, Curley MAQ, (2016) Florence is still influencing quality measurement. 8th World Congress on Pediatric Intensive and Critical Care, Toronto, Canada (June)
- \*∞ Walsh L, Carter B, Curley MAQ, Copnell B, Tume L. (2016) Relating nurses' Endotracheal suctioning practice to real patients: A point prevalence survey. 8th World Congress on Pediatric Intensive and Critical Care, Toronto, Canada (June)
- ∞ Walsh L, Carter B, Curley MAQ, Copnell B, Tume L. (2016) International Point-Prevalence survey of endotracheal Suction Practices: E-Survey development. 8th World Congress on Pediatric Intensive and Critical Care, Toronto, Canada (June)
- \*∞ Lincoln P, LaRovere J, Dodson B, Whelan K, Curley MAQ. (2016) Improving how pain and sedation is managed in children post cardiac surgery – Cardiac RESTORE. 8th World Congress on Pediatric Intensive and Critical Care, Toronto, Canada (June)
- \*∞ Best, K.A., Wypij, D., Curley, M.A.Q. (2014) Justifying the need for an RCT of nurse-implemented goal-directed sedation protocol in pediatric intensive care Poster, 26th Annual ENRS Scientific Sessions, Philadelphia, PA; *Nurs Res*; 63(2), E93-E94.

## Books

- Curley, M.A.Q. (2007). *Synergy: The unique -relationship between nurses and patients*. Indianapolis, IN: Sigma Theta Tau International. (Author and Editor).
- Curley, M.A.Q., & Moloney-Harmon, P. A. (2001). *Critical care nursing of infants and children*. 2<sup>nd</sup> ed. Philadelphia: WB Saunders Co. (Author and Editor).
- Curley, M.A.Q, Smith, J. B., & Moloney-Harmon, P. A. (1996). *Critical care nursing of infants and children*. Philadelphia: WB Saunders Co. (Author and Editor).
- Curley, M.A.Q. (1985). *Pediatric cardiac dysrhythmias*. Norwalk CT: Appleton-Lange. (Author)

## Monographs

- Curley, M.A.Q. (1987). *Effects of the nursing mutual participation model of care on parental*

*stress in the pediatric intensive care unit* [thesis]. New Haven, CT: Yale University.

### **Chapters in Books and Monographs**

Lebet, R., Vendramim, P., de Oliveira Pires, M.P., Kachmar, A., Salisu-Kabara, H.M., Pedreira, M.L.G., Curley, M.A.Q. (in press). *Pediatric Critical Care Concerns*. World Federation of Critical Care Nursing. Springer Publishing.

Moloney-Harmon, P.A. & Curley, M.A.Q (2017). Chapter 6: The nurse in pediatric critical care. In B.P. Fuhrman & J.J. Zimmerman (Eds.), *Pediatric Critical Care*, 5<sup>th</sup> ed. (msp. 30). Philadelphia, PA: Mosby Elsevier.

Khemani, R.G. & Curley, M.A.Q (2017). Chapter 5: Clinical research. In B.P. Fuhrman & J.J. Zimmerman (Eds.), *Pediatric Critical Care*, 5<sup>th</sup> ed. (msp. 30). Philadelphia, PA: Mosby Elsevier.

Green, M.L., Curley, M.A.Q. & Arnold, J.A. (2015). Chapter 23: Prone positioning in Acute Lung Injury. In P.C. Rimensberger (Ed.), *Pediatric and Neonatal Mechanical Ventilation* (msp. 29). Heidelberg, Germany: Springer-Verlag. DOI 10.1007/978-3-642-01219-8\_23.

Best, K.M., Curley, M.A.Q. (2015). Managing Comfort in the Critically Ill Pediatric Patient. In A.L. Graciano (Ed.), *2015 Current Concepts in Pediatric Critical Care*. Mount Prospect, IL: Society of Critical Care Medicine.

Moloney-Harmon, P.A. & Curley, M.A.Q (2014). Chapter 6: Pediatric critical care nursing foundations. In M.L.G. Pedreira (Ed.), *Critical Care Nursing Foundations: Neonate, Children and Adult*. (msp. 28).

Moloney-Harmon, P.A. & Curley, M.A.Q (2011). Chapter 4: The nurse in pediatric critical care. In B.P. Fuhrman & J.J. Zimmerman (Eds.), *Pediatric Critical Care*, 4<sup>th</sup> ed. (msp. 30). Philadelphia, PA: Mosby Elsevier.

Mehta, N., & Curley, M.A.Q. (2007). Chapter 26: Prone positioning for Acute Lung Injury. In D. Wheeler, T. Shanley, H. Wong (Eds.), *Pediatric Critical Care Medicine: Basic Science and Clinical Evidence*. Guildford, UK: Springer-Verlag.

O'Brien, P., Curley, M.A.Q., & Hickey, P. A. (2006). Chapter 21: Contemporary practice of pediatric cardiovascular nursing. In J.F. Keane, D.C. Flyer & J.E. Lock (Eds.), *NADAS Pediatric Cardiology*, 2<sup>nd</sup> ed. (pp. 347-353). Philadelphia, PA: Mosby-Year Book.

Curley, M.A.Q., & Moloney-Harmon, P.A. (2006). Chapter 4: The nurse in pediatric critical care. In B.P. Fuhrman & J.J. Zimmerman (Eds.), *Pediatric Critical Care*, 3<sup>rd</sup> ed. (pp. 20-28). Philadelphia, PA: Mosby Elsevier.

Curley, M.A.Q. (2001). Chapter 15. Synergy Model - Creating safe passage. *Klinisk Sygepleji, Bd I* (Clinical Nursing, Volume I) Denmark: Akademisk Forlag (Academic Press).



Curley, M.A.Q. (1996). The nursing mutual participation model of care. In D. Tibboel & E. van der Voort (Eds.), *Intensive Care in Childhood: A Challenge to the Future* (pp. 159-171). New York, NY: Springer-Verlag.

Curley, M.A.Q., & Ludwig, W.J. (1994). Chapter 6: Implementation of critical care standards. In G.S. Wlody (Ed.), *Managing Clinical Practice in Critical Care Nursing* (pp. 72-88). Philadelphia, PA: Mosby Year Book.

Curley, M.A.Q. (1994). Chapter 15: Cardiac dysrhythmias. In S. J. Kelly (Ed.), *Pediatric Emergency Nursing*, 2<sup>nd</sup> ed. (pp. 229-245). Norwalk, CT: Appleton Lange.

Curley, M.A.Q. (1988). Chapter 14: Cardiac dysrhythmias. In S. J. Kelly (Ed.), *Pediatric Emergency Nursing* (pp. 252-275). Norwalk CT: Appleton Lange.

### **Guest Editorials**

Best, K.M., Lebet, R.M., & Curley, M.A.Q. (2014). Towards a more perfect (European) union. *Pediatr Crit Care Med*, 15(5), 500-502. (PMID: 24892487)

Curley, M.A.Q. (2012). Have a couple of minutes? Probably not. *Pediatr Crit Care Med*, 13(2):246-24. (PMID: 22391846)

Kohr, L.M., & Curley, M.A.Q. (2010). Small study finds 27.7% prevalence of pressure ulcers in paediatric hospitals in Switzerland, with many cases caused by external medical devices. *Evid Based Nurs*, 13(2), 58. (PMID: 20436156)

Kohr, L.M., & Curley, M.A.Q. (2010). Unplanned extubation – Adequate, then best practice. *Pediatr Crit Care Med*, 11(2), 312-313. (PMID: 20216183)

Curley, M.A.Q. (2008). Ask and they will tell. *Pediatr Crit Care Med*, 9(3), 336-337. (PMID: 18446099).

Curley, M.A.Q. (2005). The context to better understand quality care. *Pediatr Crit Care Med*, 6(3), 367-368. (PMID: 15880007)

Curley, M.A.Q. (2004). Beyond Nightingale: The science of contemporary nursing. *Australian Critical Care*, 17(3), 96-97. (PMID: 15493855)

Curley, M.A.Q., & Zimmerman, J.J. (2003). Highlights of the 4th world congress on pediatric intensive care. *Pediatr Crit Care Med*, 4(4), 409-411. (PMID: 14525633)

Curley, M.A.Q. (2002). Experienced Nurses + autonomy = better patient outcomes. *Pediatr Crit Care Med*, 3(4), 385-386. (PMID: 12813320)

### **Other publications**

Barbaro, R.P., Thiagarajan, R.R., Wypij, D., Curley, M.A.Q. (in press) A call to close the ECMO research gap in children. *Am J Respir Crit Care Med*.

Best, K.M., Wypij, D., Asaro, L.A. Curley, M.A.Q. (2017) Reply: Contextualizing iatrogenic withdrawal syndrome and delirium in pediatric critical care. *Crit Care Med*. 45(6), e623-e624. (doi: 10.1097/CCM.0000000000002417)

Solodiuk J and Curley MAQ. (2017) In defense of routine inpatient pass assessment; Getting rid of the fifth vital sign won't solve the opioid abuse crisis. *American Journal of Nursing*, 117(5), 11. (PMID: 28448346)

Faustino, E.V.S., Gedeit, R., Schwarz, A.J., Asaro, L.A., Wypij, D., Curley, M.A.Q (2017) Reply: Extubation Readiness Tests on Pediatric Critical Care Setting: Questions still unanswered? *Crit Care Med*, 45(3), e333-334. (PMID: 28212236)

Bateman ST, Borasino S, Asaro LA, Cheifetz IM, Diane S, Wypij D, Curley MAQ for the RESTORE Study Investigators. (2016). Reply: It Is Too Early to Say No Place for High-Frequency Oscillatory Ventilation in Children with Respiratory Failure. *Am J Respir Crit Care Med*, 194(4), 522. (PMID: 27525465)

Bateman ST, Borasino S, Asaro LA, Cheifetz IM, Diane S, Wypij D, Curley MAQ for the RESTORE Study Investigators. (2016). "Reply: Do We Really Know How to Use High-Frequency Oscillatory Ventilation in Critically Ill Children?" *Am J Respir Crit Care Med*, 193(9), 1068-1069. (PMID: 27128709)

Curley, M.A.Q. and Meyer, E.C. (2016). Upholding Family-Centered Care in the Face of High-Consequence Pathogens - Thinking INside the Room. *JAMA Pediatr*. 2016;170(3):298-299. (PMID: 26810153)

Curley, M.A.Q., Wypij, D., and Matthay, M. A. (2015). Sedation Protocol for Critically Ill Pediatric Patients. [Reply]. *JAMA*, 313(17), 1754-1755. (PMID: 25942731)

Thomas, N.j., Willson, D.F., Jouvett, P. for the Pediatric Acute Lung Injury Consensus Conference Group. (2015). Letter in response to Munoz et al. *Pediatr Crit Care Med*. 16(6), 603-604. (PMID: 26154912)

Franck, L.S., and Curley, M.A.Q. (2014) Measurement of iatrogenically induced opioid withdrawal in pediatric patients using validated scales. *Pediatrics*. eLetter March 26

Murray, J.S., Quigley, S., Curley, M.A.Q. (2014). Letter to the Editor [re Leonard, P., Hill, A., Moon, K., Lima, S. (in press) Pediatric pressure injuries: does modifying a tool alter the risk assessment outcome?]. *Issues Compr Pediatr Nurs*; 37(3):195-197 (PMID: 24914803)

Murray, J.S., Quigley, S., Curley, M.A.Q. (2014). Letter to the Editor [re Schlüer, A.B., Schols, J.M. & Halfens, R.J. (2014). Risk and associated factors of pressure ulcers in hospitalized children over 1 year of age.]. *J Spec Pediatr Nurs*, 19(2):105-106. (PMID: 24612439)

Lebet, R., Fineman, L.D., Faustino, E.V.S., Curley, M.A.Q. (2013). Asking parents' permission to enroll their child into a clinical trial – Best practices. Invited Commentary. *Am J Crit Care*, 22(4), 351-356. (PMID: 23817825)

Nakagawa, T.A., Rigby, M.R., Bratton, S. et al. (2011) A call for full public disclosure for donation after circulatory determination of death in children. *Pediatr Crit Care Med*, 12 (3), 375-377. (PMID: 21637157)

Curley, M. A. Q., Urion, D. K., Vesel, T., Harrison, C. H., Laussen, P. C. (2007). When is dead—dead? [Reply]. *Pediatr Crit Care Med*, 8(5), 507-509. (doi: 10.1097/01.PCC.0000282852.49074.5C)

Curley, M.A.Q. (2004). Synergy: From theory to practice. Synergy: Continued. Origins of Synergy. In M. A. Q. Curley (Ed.), *The State of Synergy. Excellence in Nursing Knowledge*, 1(1). [electronic journal]

Curley, M.A.Q., Hibberd, P. L., Barr, F. E., Cvijanovich, N. Z., Matthay, M. A., & Arnold, J. H. (2005). Prone positioning in children with acute lung injury [Reply]. *JAMA*, 294, 2297-2298. (PMID: 16278352)

Curley, M.A. (1996). The Synergy Model of certified practice: creating safe passage for patients. [Interview by Michael Villaire]. *Crit Care Nurse*, 16(4), 94-99. (PMID: 8852250)

### **Audio-visual Productions**

Gee, S., Curley, M.A.Q., Protocolized Sedation versus Usual Care in Pediatric Patients Mechanically Ventilated for Acute Respiratory Failure: A Randomized Clinical Trial; [Webinar]. American Thoracic Society. Assembly on Critical Care Journal Club. April 21, 2015

Curley, M.A.Q. (2015). 44th Critical Care Congress: RESTORE Study. [Pod cast]. iCritical Care. SCCM Pod-264.

Curley, M.A.Q. (2007). *Organ donation after cardiac death - Part 2* SCCM. [Pod cast]. iCritical Care. SCCM Pod-88.

Curley, M.A.Q. (2007). *Facilitating parent presence during a child's invasive procedure and/or resuscitation*. [DVD]. Boston, MA: Fanlight Productions.

Curley, M.A.Q. (2006). *Assessing sedation levels of mechanically ventilated pediatric patients* [Pod cast]. iCritical Care. SCCM Pod-26.

Curley, M.A.Q. (2005). *Preventing ventilator-associated pneumonia*. IHI 100K Lives Pediatric Node Summer Webcast Series; Child Health Corporation of America (CHCA), the National Association of Children's Hospitals and Related Institutions (NACHRI), and National Initiative for Children's Healthcare Quality (NICHQ) [audio].

Curley, M.A.Q. (1989). *Caring for parents of critically ill children* [videocassette]. New York, NY: American Journal of Nursing.

Curley, M.A.Q. (1989). *Red flags in the critically unstable pediatric patient* [videocassette]. New York, NY: American Journal of Nursing.

**CONSULTATION: RESEARCH/EDUCATIONAL**

|           |                                   |  |
|-----------|-----------------------------------|--|
| 2016      | Pediatric Intensive Care          | Ministry of Health, Singapore  |
| 2015      | Subject Matter Expert – SBS       | Hospira  |
| 2014      | Subject Matter Expert – WAT-1     | Bracket/AstraZeneca  |
| 2013-     | Associate Faculty member          | CRISMA and CRISMAkids<br>(Clinical Research, Investigation, and Systems Modeling of Acute illness)<br>University of Pittsburgh<br>Department of Critical Care Medicine |
| 2013      | Synergy Model                     | Dana Farber Cancer Institute, Boston, MA   |
| 2011-2012 | Synergy Model                     | Harris County Hospital District, Houston, TX   |
| 2007-2009 | Inhalational Anesthetics/Sedation | Ad Hoc Study Group   |
| 2007-2009 | Synergy Model                     | Dana Farber Cancer Institute, Boston, MA   |
| 2007      | Synergy Model                     | Children’s Hospital Wisconsin, Milwaukee, WI   |
| 2005      | Professional Advancement Program  | Mercy Hospital, Miami, FL  |
| 2004      | Models of Care                    | Children's Medical Center of Dallas, TX  |
| 2004      | Models of Care                    | Acibadem Healthcare Group, Istanbul, Turkey<br>Harvard Medical International   |
| 2002      | Pediatric Standards of Care       | Doernbecher Children’s Hospital,<br>Portland, OR   |
| 2001-2003 | Synergy Model                     | Clarian Healthcare System,<br>Indianapolis, IN   |
| 2002      | Synergy Model                     | San Diego Children’s Hospital, CA  |

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|------|--------------------------|---|
| 2000 | Pediatric Critical Care  | Miami Children's Hospital, FL   |
| 1999 | Pediatric Intensive Care | Royal Children's Hospital<br>University of Melbourne<br>Monash University<br>Melbourne, Australia |
| 1999 | Models of Care Delivery  | Doernbecher Children's Hospital,<br>Portland, OR  |
| 1998 | Pediatric Intensive Care | Ministry of Health, Singapore   |
| 1998 | Family-Centered-Care     | Lucile Packard Children's at UCSF. San<br>Francisco, CA   |
| 1998 | Family-Centered-Care     | San Diego Children's Hospital, CA   |
| 1997 | Pediatric Critical Care  | Hospital for Sick Children, Toronto, Ontario  |
| 1997 | PICU Clinical Research   | Children's Memorial Hospital,<br>Chicago, IL  |
| 1996 | Family-Centered-Care     | Children's Hospital of Wisconsin, Milwaukee,<br>WI  |
| 1993 | Pediatric Critical Care  | Children's Hospital, Oakland, CA  |

### **RECENT LECTURES**

#### **International Invited Lectures (past 12 years)**

- 2018 *Innovative Trial Designs – It's all about efficiency and precision. How to build a research program? Optimize Sedation - Minimize Mechanical Ventilation*; 9<sup>th</sup> Congress of the World Federation of Pediatric Intensive & Critical Care Societies. Singapore (June, 2018)
- 2017 *Opening Plenary: Moving your research career forward. Small grants, big grants: Show me the money!* 3<sup>rd</sup> International Multidisciplinary Paediatric & Neonatal Acute and Critical Care Research School. Rome, Italy (October)
- 2017 *Opening Plenary: Weaning sedation and delirium; The art and science of paediatric critical care rehab and outcomes: where have we come from and where should we be going?* (Surviving Paediatric Critical Care Preconference). 2017 Annual Meeting of the Paediatric Intensive Care Society, Nottingham, UK (October)

- 2017 *Pathway Outcomes: Do they really improve care?* World Congress of Pediatric Cardiology and Cardiac Surgery 2017. Barcelona, Spain (July)
- 2016 *Embedding the Science in PICU/NICU Nursing; Sedation Protocols in Children with Acute Respiratory Failure.* EAPS: European Academy of Paediatric Societies. Geneva, Switzerland (October)
- 2016 *Sedation and the ICU Environment (Plenary); Life After Critical Illness – State of the Science and Future Directions (Convener: Preconference workshop); Specific Aims: The basis for any grant proposal (Preconference workshop: First Steps in a Clinical Research Career); Challenges of Establishing and Funding clinical trial (Parallel session).* 8<sup>th</sup> World Congress on Pediatric Intensive and Critical Care. Toronto, CA (June)
- 2016 *Team Science - complex clinical problems require interprofessional investigation; Presence during a child's invasive procedure or resuscitation; Managing comfort in the pediatric patient; Improving the ICU environment.* 36<sup>th</sup> International Symposium on Intensive Care and Emergency Medicine, Brussels, Belgium (March)
- 2016 *Measure to improve Nursing Care Across a Healthcare System.* CHUV L'Institut universitaire de formation et de recherche en soins – IUFRS; Lausanne, Switzerland (January)
- 2016 *Team Science: Creating a “dream team” for research; Protocol and grant writing; 2<sup>nd</sup> International Multidisciplinary Paediatric and Neonatal Acute and Critical Care Research School.* Lausanne, Switzerland (January)
- 2015 *Toxic or Healing Intensive Care Environments? (Plenary); Leading Change-Science Supporting the Future of Paediatric Nursing Practice; Synergy: The Unique Relationship between Nurses and Families in the PICU; RESTORE – Nurse Implemented Goal – Directed Sedation in Paediatric Patients on Mechanical Ventilation; Parents' Right to Dictate Treatment (Panel Discussion); ANZICs 40<sup>th</sup> annual meeting,* Auckland, NZ (Oct)
- 2015 Subject Matter Expert meeting, Hospira. *State Behavioral Scale.* Osaka, Japan (August)
- 2015 Anna Reynvaan Lecture; *Involve the family: Relationships that sustain patients, families and nurses.* Amsterdam, Netherlands (May)
- 2015 American Thoracic Society, 2015 International Conference; *Pediatric ARDS Symposium, Nonpulmonary therapies.* Denver, CO, USA (May)
- 2014 Invited Distinguished Scholar, 1st International and multidisciplinary children's critical care research summer school, *Designing your program of research; The art of argument: How to 'sell' your research; How to write successful research grants; Evaluating scoring tools;* The University of Central Lancashire, Preston, UK (August)

- 2014 25<sup>th</sup> International Nursing Research Congress, Sigma Theta Tau International Honor Society for Nursing. Special Session: *Science supporting the practice of acute/critical care nursing*. Hong Kong, China (July)
- 2014 Naloxegol Pediatric trial Principal Investigator meeting, Bracket/AstraZeneca. *Withdrawal Assessment Tool – Version 1*. Barcelona, Spain (June)
- 2014 12<sup>th</sup> European Conference of Pediatric and Neonatal Ventilation. Preconference: *RESTORE – Nurse-implemented Goal-directed Sedation in pediatric patients supported on mechanical ventilation*; Breakout: *Prone positioning in ARDS: Update and future research questions*. Montreux, Switzerland (May)
- 2014 7th World Congress on Pediatric Intensive and Critical Care, Preconference: *WFPICCS Clinical Science Supporting the Practice of Pediatric Critical Care Nursing*, Breakout: *Sedation and comfort issues in the ventilated infant and child, Prone positioning: Why, how, and does it work?* Evidence-Based Practice: *Myths, dreams or actual reality*, Istanbul, Turkey, (May)
- 2013 *How to introduce changes in a pediatric hospital to promote the presence of parents in invasive procedures and CPR* (by teleconference). Avedis Donabedian Research Institute. Autonomous University of Barcelona, Spain (November)
- 2013 *Using the Braden Q Scale to Predict Pressure Ulcer Risk in Pediatric Patients* (by teleconference). APTFeridas Congress 2013-15<sup>o</sup> Anniversary. Porto, Portugal (November)
- 2013 Breakout: *How to hook a study onto the back of a clinical trial; Preventing pressure ulcers in the NICU/PICU- Are we getting anywhere? Paediatric staff perspectives on organ donation following cardiac death*. 24th Annual Meeting of the European Society of Paediatric and Neonatal Intensive Care (ESPNIC), Rotterdam, Netherlands (June)
- 2013 Breakout: *Nursing Year in Review: Pediatric Critical Care*. American Thoracic Society, Philadelphia, PA (May)
- 2012 Breakout: *Maintaining Skin Integrity; Nursing Quality Metrics*. Critical Care Canada Form, Toronto, CA (October)
- 2012 Plenary: *Nursing's innovative contributions to the evolution of pediatric critical care; Innovations in the critical care of children with Acute Respiratory Distress Syndrome; Translational research and nursing care innovation*. 3<sup>rd</sup> International Symposium of Pediatric and Neonatal Critical Care Nursing. Federal University of São Paulo, Brazil (October)
- 2012 Plenary: *Challenges to conducting multicenter clinical research; Assessing pain and sedation critically ill infants and children*. World Federation of Critical Care Nurses. Sibenik, Croatia (April)

- 2011 Plenary: *The Braden Q Today*; Education Course: *The risk on the modern era: Clinical evidence* (with Sandy Quigley). 1<sup>st</sup> ISPEW International Symposium on Pediatric Wound Care. Rome, Italy (October)
- 2011 *Opening Nursing Debate: Intensive Care is an Art; not a Science (con); Sedation in children with Brain Injury* (expert panel). 6<sup>th</sup> World Congress in Pediatric Critical Care; Sydney, Australia (March)
- 2009 *Mentorship: Developing clinical leaders in critical care*. 6th Annual Congress of the World Federation of Critical Care Nurses, Florence, Italy (August)
- 2009 *Begin with the End in Mind –Nurse sensitive quality outcomes (Keynote)*; 4<sup>th</sup> International Congress on Innovations in Nursing 2009, Perth, Australia (May)
- 2009 *The RESTORE clinical trial: Pain & sedation in paediatrics (Plenary); Parent presence during procedures and resuscitation; Protocols to optimize sedation in infants and children*. Cardiology in the Young 2009. Great Ormond Street Hospital for Children NHS Trust and UCL Institute of Child Health, London, England (April)
- 2008 *Pressure ulcers in newborns: The Nurse Researcher point of view; (Plenary); Where, when and how to prevent skin lesions in children admitted to the ICU (preconference symposium)*. AISLeC: EBP E Wound Care, Nuove Frontiere; Naples, Italy (November)
- 2007 *Data that supports nursing practice in pediatric critical care; Challenges in setting up a multicenter study; Nightingale metrics: Measuring nursing care that impacts patient outcomes; Simulation education: Facilitating parent presence at the bedside; Site selection in multisite clinical trials*. 5<sup>th</sup> World Congress in Pediatric Intensive Care. Geneva, Switzerland. (June)
- 2006 *Pediatric and neonatal critical care nursing: Advances and challenges; Family centered care – USA state of the art; Nursing care of children with ALI; Prone positioning children with ALI; Nursing acute interventions in shock; Pain and sedation assessment in PICU; Synergy Model of Care; Research in nursing practice*. 1<sup>st</sup> International Symposium of Pediatric and Neonatal Critical Care Nursing. Sao Paulo, Brazil (June)
- 2005 *“Ventilator Bundle” practices that limit iatrogenic injury: State Behavioral Scale (SBS) instrument development; Nurse-implemented pain and sedation Algorithm*. 15<sup>th</sup> Annual Meeting of the European Society of Pediatric and Neonatal Intensive Care (ESPNIC). Antwerp, Belgium (September)
- 2004 *Utilizing clinical nursing research to promote evidence-based nursing practice*. First International Nursing Management Symposium, Shanghai, China (November)
- 2004 *Practice guideline, Enteral nutritional support; Assessment of pain and agitation in the CV surgical patient; Hazards of immobility: Predicting and preventing pressure ulcers*.



- Professional advancement of pediatric cardiac surgical nurses; Shanghai Children's Medical Center, China (November)
- 2004 *The Synergy Model*. Acibadem Healthcare Group and Harvard Medical International. *Developing expertise in clinical inquiry*. International Nurses Day Celebration. Sponsored by Acibadem Healthcare Group and Harvard Medical International. Istanbul, Turkey (May)

**National Invited Lectures (past 10 years)**

- 2018 *Pediatric Patients on Mechanical Ventilation - Targeted Symptom Management* (Breakout session); American Thoracic Society, San Diego, CA (May)
- 2017 *Pediatric Year in Review: Clinical; Integrating Practices to Promote a Healing Environment in the Pediatric ICU*; Society of Critical Care Medicine, Honolulu, Hawaii (January)
- 2016 *What's the Evidence? Can Multi-Institutional Clinical Trials Provide the Answer?* The 23<sup>rd</sup> Pediatric Critical Care Colloquium: Foundations and Innovations, NY, NY (November)
- 2016 *The Art of Argument Grant Application Page I; Clinical Research Pathway from Fellow to R01*. PALISI Fellow / Junior Investigator Course; Washington, DC (September)
- 2016 *Managing Comfort in the PICU: Does Comfort Come at the Expense of Withdrawal or Delirium?* Society of Critical Care Medicine, Orlando, FL (February)
- 2015 *Pediatric Critical Care Research: From Early Beginnings to New Horizons* (Panel). Advancing Pediatric Trauma and Critical Illness Research: Building the Field – Advancing the Science; Pediatric Trauma and Critical Care Branch; NICHD, Bethesda, MD (December)
- 2015 *Toxic or healing PICU environments? Connect-Share-Impact Critical Care Nursing Summit*. Boston, MA (September)
- 2015 *What's new with sedation? How results from the RESTORE trial impact ECMO patients*. (Plenary). 26th Annual ELSO Conference, Atlanta, GA (September)
- 2015 *Team Science: Answering Complex Clinical Questions Together*. National Pediatric Nursing Scientist Collaborative, Pediatric Nursing Research Fly-In held at Lurie Children's, Chicago, IL (June)
- 2015 *What if there were no research dollars? Central IRB for multi-center trials. Managing comfort in the critically ill pediatric patient*. Simultaneous presentation/publication: *Protocolized sedation vs usual care in pediatric patients mechanically ventilated for acute respiratory failure: A randomized clinical trial*; Society of Critical Care Medicine 44<sup>th</sup> Congress; Phoenix, AZ. (January)

- 2014 *Specific Aims: the Art of Argument; How to Write Successful Research Grants*. PALISI Fellow Course: Launching Your Clinical Research Career; Montreal, Canada (October)
- 2014 *Prone Positioning Revisited; Sedation Management of the Ventilated Patient*; 12th Optimizing Mechanical Ventilation for Infants and Children Conference; The Duke University School of Medicine, Durham, NC. (March)
- 2014 *Year in Review: Pediatrics. Current Clinical Research*. Society of Critical Care Medicine. Congress. San Francisco, CA (January)
- 2013 *Leading Change-Science Supporting the Future of Nursing Practice*. 20<sup>th</sup> Pediatric Critical Care Colloquium, Washington, DC (November)
- 2013 *Specific Aims: The Basis for Any Grant Proposal*. PALISI Fellow Course: Launching Your Clinical Research Career; New Orleans, LA (October)
- 2013 *Parental Presence during Invasive Procedures and Resuscitation (plenary); Nurse-Sensitive Outcomes: Examples from the Boston Nightingale Metrics Project; Opiate and Benzodiazepam Exposures in the NICU: Monitoring Infants for Iatrogenic Withdrawal Syndrome Using the New Withdrawal Assessment Tool (WAT-1)*. 2013 Neonatal Advanced Practice Nursing Forum, Washington, DC (May)
- 2013 *Research in Pediatric Critical Care - Why Is It So Difficult?* Invited Lecture, PALISI 2013, Snowbird, UT (March)
- 2013 *The Nature of Critical Care Nursing Science; Secrets of Successful Research: How the Experts Do It? Interprofessional Collaborative Research; Developing an Idea into a Research Submission; How Do I Do Clinical Research on a Shoestring Budget*. SCCM's 2013 Critical Care Congress, San Juan, Puerto Rico (January)
- 2012 *Shifting Paradigms: Pain & Sedation Management in the PCICU; Hiring new graduates in PCICU – It matters (Pro)*. The Pediatric Cardiac Intensive Care Society, 9<sup>th</sup> annual meeting, Miami Beach, FL (December)
- 2012 *Specific Aims: The Basis for Any Grant Proposal*. PALISI Fellow Course: Launching Your Clinical Research Career; Chicago, IL (September)
- 2012 *Distinguished Research Lecture 2012: Together, Stronger, Bolder Clinical Research. Clinical judgment; Clinical inquiry, CCNS review course; Caring and ethical practice, Pediatric CCRN Review course*. 2012 National Teaching Institute, Orlando, FL (May)
- 2012 *Novel Approaches to the Nursing Management of the Child with Acute Lung Injury; Research and the Advanced Practice Nurse, Building Measures to Illuminate Your Practice and Securing Funding* (with Marilyn Hravnak PhD, RN). Society of Critical Care Medicine's 41<sup>st</sup> Critical Care Conference, Houston, TX (January)

- 2011 Scientific Speaker: *RESTORE – multisite clinical trial testing nurse-implemented goal-directed sedation in pediatric critical care*. National Institute of Nursing Research 25<sup>th</sup> Anniversary Concluding Symposium, Bringing Science to Life A Healthier Tomorrow, Washington, DC (October)
- 2011 *Clinical judgment; Clinical inquiry*, CCNS review course; 2011 National Teaching Institute, Chicago, IL. (May)
- 2011 *About the Synergy Model – Situating the Practice of Nursing within Healthcare Organizations*. Professional Practice Models, Baylor Healthcare System, Dallas Tx (March)
- 2010 *Respiratory Research - Why is it so Difficult?* 47<sup>th</sup> RESPIRATORY CARE Journal Conference on Neonatal and Pediatric Respiratory Care: What Does the Future Hold? Scottsdale, Az. (November)
- 2010 *Clinical judgment; Clinical inquiry*, CCNS review course; 2010 National Teaching Institute, New Orleans, LA. (May)
- 2010 *Clinical inquiry, not for the faint of heart (Plenary)*; Society of Critical Care Medicine's 39<sup>th</sup> Critical Care Conference, Miami, FL; *Intensive insulin therapy, Impact on nursing workload*. Post Conference on Hyperglycemia and Critical Illness. Key West, FL (January)
- 2009 *Clinical judgment; Clinical inquiry*, CCNS review course; *The caring and ethical practice*, Pediatric CCRN Review course. 2009 National Teaching Institute, New Orleans, LA. (May)
- 2009 *Debate – Government mandated nurse patient ratios are necessary for good patient care; Parent presence during invasive procedures and resuscitation; Nightingale metrics: How can we measure and improve nursing across a cardiovascular program?* Cardiology 2009, 12<sup>th</sup> Annual Update on Pediatric Cardiovascular Disease; Children's Hospital of Philadelphia, Nassau, Bahamas. (February)
- 2008 *Begin with the end in mind... Quality outcomes in pediatric critical care; Sedation assessment in critically ill infants and children - The State Behavioral Scale*. Eliza Fernie Critical Care Symposium; Denver Children's Hospital, Denver, CO (January)
- 2008 *Awake and comfortable, best practices in ICU sedation*. 37<sup>th</sup> Critical Care Congress, Society of Critical Care Medicine Congress. Honolulu, HI (January)
- 2008 *Nursing research, using quality of life assessments. Pediatric staff perspectives on organ donation after cardiac death in children*. Cardiology 2008, 11<sup>th</sup> Annual Update on Pediatric Cardiovascular Disease; Children's Hospital of Philadelphia, Scottsdale, AZ. (February)

- 2008 *Begin with the end in mind... Quality outcomes in pediatric critical care; Implementing clinical practice guidelines – sepsis panel*; Phoenix Children's Hospital, Phoenix, AZ (April)
- 2008 *Clinical judgment; Clinical inquiry*. CCNS review course. 2008 National Teaching Institute, Chicago, IL (May)
- 2008 *Prone Positioning – Is it really worth the risk? Protocols to optimize sedation for infants and children*. 54<sup>th</sup> American Association for Respiratory Care International Conference, Anaheim, CA. (December)
- 2007 *Sedation and mechanical ventilation; Pro: Open visiting hours in the ICU; Implementing protocols in the PICU*; 36<sup>th</sup> Critical Care Congress, Society of Critical Care Medicine Congress. Orlando, FL. (February)
- 2007 *Of legends and legacy: What we learn from our mentors; Experienced nurses + autonomy = improved patient outcomes*. Cardiology 2007, 10<sup>th</sup> Annual Update on Pediatric Cardiovascular Disease; Children's Hospital of Philadelphia, Lake Buena Vista, FL (February)
- 2007 *Leading the way, using the Synergy Model to achieve stellar results*. 5th Annual Leadership Excellence: Management Solutions for Neonatal, Obstetric and Pediatric Nursing, Contemporary Forums, New Orleans, LA (March)
- 2006 *Pediatric acute lung injury: Results of therapeutic trials and future directions*. Plenary Chair and Speaker: *Prone positioning in the pediatric ICU: Where are we?* Pediatric Academic Society, San Francisco, CA (April)
- 2006 *A randomized trial of prone positioning for acute lung injury in children. Clinical studies in pediatric ICU*. American Thoracic Society, San Diego, CA (May)
- 2006 *The pragmatics of conducting multisite clinical trials in critical care; Technology - New solutions for old problems*. 2006 National Congress on the State of the Science in Nursing Research: Improving Life: Development and Dissemination of Nursing Innovation. Washington, DC (October)

**Regional Invited Lectures (past 5 years)**

- 2018 *Reflections on the Synergy Model: Transcending Clinical Practice, Education and Research (plenary); Owning Your Nursing Practice (plenary)*; Children's Hospital of Alabama, Birmingham, AL (April)
- 2016 *Team Science: Answering Complex Clinical Questions Together*; Cincinnati Children's Hospital. (February)

- 2015 *Protocolized Sedation vs Usual Care in Pediatric Patients Mechanically Ventilated for Acute Respiratory Failure: A Randomized Clinical Trial*. Children's Hospital at Dartmouth. (Oct)
- 2014 Keynote: *Leading change - Science supporting the future of nursing practice. Reflections on 15 Years of Synergy Transcending Practice and Education to Clinical Research*. Berks Regional Nursing Research Alliance 5th Annual Nursing Research and Evidence-based Best Practice Symposium. (Oct)
- 2014 Keynote: *Leading change - Science supporting the future of nursing practice*. Beta Zeta Chapter, Scholarship Day, Keynote, Holyoke, MA (April)
- 2013 Keynote: *Leading change - Science supporting the future of nursing practice*. 25th Annual Scientific Sessions: Nursing Research: A Bridge to the Future of Healthcare Eastern Nursing Research Society (ENRS); Opening Keynote: Boston, MA (April)
- 2013 *Owning Your Nursing Practice: Making a Difference for Patient's & Families (Keynote); Assessing Pain, Agitation, and Withdrawal in the Critically Ill Patient (breakout)*. Jill Davis Critical Care Nursing Conference, Minneapolis, MN (April)
- 2012 *Clinical Research, My Story and I'm Sticking With It! Reflections on 15 Years of Synergy: Transcending Practice and Education to Clinical Research*; 7th Annual Nursing Research Conference, Christiana Hospital, Wilmington, DE (Nov)
- 2012 *Nightingale 2012: Knowing, describing and measuring how nurses make a difference*. 2<sup>nd</sup> Annual Orlando Health Lecture. University of Central Florida, Orlando, FL (October)
- 2012 *Building on the Legacy of Florence Nightingale: How Nurses put the Patient in the Best Condition for Nature to Act*. The 4th Annual Nursing Research Conference: Innovations in Nursing Research. Long Beach Memorial Medical Center, CA (May)
- 2010 *Design and conduct of the RESTORE clinical trial*. 3<sup>rd</sup> Annual Ron Lemire NW Symposium on Contemporary Pediatric Critical Care: Alleviation of Pain and Anxiety; Seattle Children's Hospital, Seattle, WA (August)
- 2009 *Good death and a new beginning*. ACCCN, ACCYPN, Princes Margaret Hospital; Perth, Australia (May)

**Hospital-Based Grand Rounds/University Invited Lectures (past 5 years)**

- 2018 *Reflections on the Synergy Model, Owning Your Nursing Practice, Pressure Injury Risk Assessment*. Children's Hospital Alabama, Birmingham (April)
- 2017 *Parental Presence in the OR, Procedures and Resuscitation; Healing or Toxic Environments and Nurse Led Therapies*; 2017 Pediatric Nursing Conference, Cohen Children's Hospital (November)

- 2017 *Pressure Injury Risk Assessment in Infants and Children: The Braden Q and new Braden QD Scale.* Children's National Medical Center, DC (November)
- 2017 *Team Science: Answering complex clinical questions together. Toxic or Healing PICU Environment.* Texas Children's Hospital, Houston, TX (September)
- 2017 *Team Science: Answering complex clinical questions together.* Critical Care Services, Cedar Sinai Hospital, LA (August)
- 2017 *Managing Sedation in Critically-ill Infants and Children: the RESTORE clinical trial.* Mattel Children's Hospital UCLA (February)
- 2016 *Managing Comfort in Critically-ill Children: the RESTORE Clinical Trial.* Sinai Hospital of Baltimore, MD. (December)
- 2016 *Nurse-implemented Goal-directed Sedation in Critically Ill Children: The RESTORE Clinical Trial.* Children's Hospital Of Wisconsin, Milwaukee, IL (October)
- 2016 *Managing Sedation in Critically-ill Infants and Children: the RESTORE Clinical Trial.* Grand Rounds. Children's Hospital & Medical Center, Omaha, Nebraska. (September)
- 2016 *Protocolized Sedation vs Usual Care in Pediatric Patients Mechanically Ventilated for Acute Respiratory Failure: A Randomized Clinical Trial.* Grand Rounds. UCSF Benioff Children's Hospital. (May)
- 2016 *Comfort management in critically-ill pediatric patients.* Department of Pediatrics Grand Rounds. University of Chicago and Comer Children's Hospital. (April)
- 2015 *Protocolized Sedation vs Usual Care in Pediatric Patients Mechanically Ventilated for Acute Respiratory Failure: A Randomized Clinical Trial.* Boston's Children's Hospital, Nursing Grand Rounds. (June)
- 2014 *Comfort management in critically-ill pediatric patients.* University of Michigan, Pediatric critical care medicine. (November)
- 2013 *Responsible Conduct of Research (RCR) Collaboration* with Eileen Lake. Office of Nursing Research, PENN Nursing. (November).
- 2013 *The Perfect Storm - Exponential Change in the Practice of Nursing.* Virginia Mason Medical Center, Seattle, WA (April).
- 2013 *Nursing's innovative contributions to the evolution of pediatric critical care.* Massachusetts General Hospital, Boston, MA (January)
- 2012 *Clinical Inquiry, Answering Your Research Question.* Miller Children's Hospital Long

Beach, CA (May)

2011 *About the Synergy Model - Situating the Practice of Nursing within Healthcare Organization.* Group Health, Seattle, WA (October)

2011 *Pediatric Critical Care Research, Not for the Faint of Heart;* Pediatric Grand Rounds; *Synergy: The Unique Relationship between Nurses and Patients,* Special Nursing Grand Rounds. Dartmouth-Hitchcock Medical Center. Lebanon, NH (October)

### **CONFERENCE ORGANIZING ROLES**

#### World Federation of Societies of Intensive and Critical Care Medicine

|           |        |                                  |
|-----------|--------|----------------------------------|
| 2013-2014 | Member | Scientific Committee (Pulmonary) |
| 2008-2009 | Member | Scientific Committee (Nursing)   |

#### World Federation of Pediatric Intensive and Critical Care Societies

|           |          |  |
|-----------|----------|--|
| 2018-2020 | Member   | Scientific Committee - 10 <sup>th</sup> World Congress |
| 2016-2018 | Member   | Scientific Committee - 9 <sup>th</sup> World Congress  |
| 2000-2003 | Co-Chair | Scientific Committee - 4 <sup>th</sup> World Congress  |

### **MEMBERSHIPS IN PROFESSIONAL & SCIENTIFIC SOCIETIES**

|              |  |
|--------------|--|
| 2000-present | American Thoracic Society                    |
| 1998-present | American Academy of Nursing                  |
| 1996-present | Eastern Nursing Research Society             |
| 1991-present | Society of Critical Care Medicine            |
| 1990-present | Society of Pediatric Nurses                  |
| 1985-present | Sigma Theta Tau -Delta Mu and Beta Zeta      |
| 1983-present | American Nurses Association                  |
| 1981-present | American Association of Critical Care Nurses |

### **SELECTED PROFESSIONAL ACTIVITIES**

#### **Editorial Boards**

|              |                  |   |
|--------------|------------------|---|
| 2014-present | ad hoc reviewer  | <i>Critical Care Medicine</i>                     |
| 2007-present | Associate Editor | <i>Pediatric Critical Care Medicine</i>           |
| 2005-present | Ad hoc Reviewer  | <i>Nursing Research</i>                           |
| 2001-present | Ad hoc Reviewer  | <i>Critical Care Medicine</i>                     |
| 2000-2007    | Member           | <i>Pediatric Critical Care Medicine</i>           |
| 1999-2000    | Ad hoc Reviewer  | <i>Critical Care Nurse</i>                        |
| 1999-present | Member           | <i>Clinical Intensive Care</i>                    |
| 1997-present | Member           | <i>American Journal of Critical Care</i>          |
| 1996-1997    | Ad hoc Reviewer  | <i>American Journal of Critical Care</i>          |
| 1995-2000    | Ad hoc Reviewer  | <i>Journal of the Society of Pediatric Nurses</i> |

|           |                 |  |
|-----------|-----------------|--|
| 1993-1995 | Member          | <i>AACN Nursing Scan in Critical Care</i>            |
| 1992-1994 | Member          | <i>AACN Clinical Issues in Critical Care Nursing</i> |
| 1991-1994 | Ad hoc Reviewer | <i>American Journal of Maternal/Child Nursing</i>    |

### **International Activities**

#### Pediatric Acute Lung Injury Consensus Conference (PALICC)

2012-2014            Content Expert: Non-Pulmonary Treatment

#### Birmingham Children's Hospital's Research Foundation, England

2012                    Outside Grant Reviewer

#### ISPEW – International Society for Pediatric Wound Care

2011-2013            Member                    Advisory Committee

#### IPOKRATES

2003-2008            Chair                        Nursing Section

### **National Activities**

#### National Academy of Medicine

2017-present        Member

#### National Institute of Health

|           |                  |   |
|-----------|------------------|---|
| 2018      | Participant      | Eunice Kennedy Shriver NICHD; NICHD Strategic Planning Working Group Meeting  |
| 2016      | Participant      | NHLBI Implementation Science in Critical Care Workshop  |
| 2015      | Participant      | Eunice Kennedy Shriver NICHD;<br>Pediatric Trauma and Critical Illness Branch<br>Pediatric Multiple Organ Dysfunction Syndrome    |
| 2014      | Participant      | Eunice Kennedy Shriver NICHD;<br>Pediatric Trauma and Critical Illness Branch<br>Pediatric Critical Care Research Expert Panel    |
| 2014      | Participant      | Eunice Kennedy Shriver NICHD;<br>Pediatric Trauma and Critical Illness Branch<br>Strategic Planning Meeting                       |
| 2013-2017 | Member           | NHLBI Clinical Trials Review Committee (CLTR)   |
| 2012      | Temporary Member | NHLBI Clinical Trials Review Committee (CLTR)   |
| 2012      | Member           | FDA: Clinical Development Programs for Sedation Products: Public Workshop (May)<br><i>ICU Sedation, Pediatric-Specific Issues</i> |
| 2011      | Temporary Member | NHLBI Clinical Trials Review Committee (CLTR)   |
| 2011      | Member           | NIH Director's New Innovator Applications Review  |



|      |        |  |
|------|--------|--|
|      |        | Committee  |
| 2009 | Member | NINR RC2/GO RFA Review Committee   |
| 2003 | Member | NICHD panel: Pulmonary Critical Care:<br>Pulmonary Processes and Informatics Solutions |

American Thoracic Society

|      |             |  |
|------|-------------|--|
| 2016 | Participant | Critical Care Assembly Project Committee: Determining the Outcome Measures for Assessment after Critical Illness |
|------|-------------|--|

Pediatric Cardiac Intensive Care Society (PCICS)

|        |  |                          |
|--------|--|--------------------------|
| 2015   |  |                          |
| Member |  | PCICS Research Committee |

Institute of Medicine (IOM) Committee to Review the Clinical and Translational Science Awards Program (CTSA) at National Center for Advancing Translational Sciences (NCATS)

|      |         |   |
|------|---------|---|
| 2013 | Speaker | Future Directions for Using CTSA Programs and Resources |
|------|---------|---|

Robert Wood Johnson Foundation Interdisciplinary Nursing Quality Research Initiative (INQRI)

|           |  |   |
|-----------|--|---|
| 2010      |  | Full Proposal Reviewer                            |
| 9/15/2010 |  | Stakeholder Guest; 5 <sup>th</sup> Annual Meeting |

Multi-Society Strategic Planning Task Force for Critical Care Research

|      |        |            |
|------|--------|------------|
| 2010 | Member | Task Force |
|------|--------|------------|

Society of Critical Care Medicine

|              |        |  |
|--------------|--------|--|
| 2015-present | Member | THRIVE                                 |
| 2007-2015    | Member | Pediatric Sedation Guideline Committee |
| 1999-2004    | Member | Guidelines and Levels of Care for PICU |

Child Magazine

|           |        |   |
|-----------|--------|---|
| 2006-2007 | Member | Hospital-based Measurement Advisory Board |
|-----------|--------|---|

Pediatric Acute Lung Injury and Sepsis Investigator Network (PALISI)

|       |            |   |
|-------|------------|---|
| 2015- | Member     | Executive Committee   |
| 2004  | Discussant | International Forum on Sepsis<br><i>Outcome measures for clinical trials.</i> |
| 2003  | Member     | Founding Steering Committee   |

Cerner Corporation

|           |        |                                      |
|-----------|--------|--------------------------------------|
| 2003-2006 | Member | Critical Care Transformation Council |
|-----------|--------|--------------------------------------|

Sigma Theta Tau International

|      |        |  |
|------|--------|--|
| 2002 | Member | Investing in Maternal Child Health:<br>Defining Nursing's Contributions. |
|------|--------|--|

American Association of Critical Care Nursing

|           |             |   |
|-----------|-------------|---|
| 1997-1998 | Member      | Certification Corporation: Strategic Think Tank               |
| 1997      | Chair       | Certification Corporation Nomination Committee                |
| 1996      | Chair       | Certification Corporation                                     |
| 1996      | Chair       | Outcomes of Certified Practice Think Tank                     |
| 1995-1997 | Member      | Certification Corporation Subject Matter Expert               |
| 1995      | Chair-Elect | Certification Corporation                                     |
| 1994      | Mentor      | Wyeth-Ayerst Nursing Fellows Reporter Program                 |
| 1994      | Participant | Joint Work Group of ANA-AACN<br>Acute Care Nurse Practitioner |
| 1993-1994 | Member      | Certification Corporation Think Tank                          |
| 1993-1994 | Director    | Certification Corporation                                     |
| 1993      | Participant | Neonatal and Pediatric Strategic Thinking Meeting             |
| 1993      | Member      | Pediatric CCRN Exam Cut Score Committee                       |
| 1992      | Member      | Pediatric CCRN Exam Development Committee                     |
| 1991-1992 | Member      | Item Writer Task Force, Pediatric CCRN Exam                   |
| 1989-1990 | Member      | Role Delineation Study Task Force                             |

Society of Pediatric Nurses

|           |        |                              |
|-----------|--------|------------------------------|
| 1995-1996 | Member | Program Planning Committee   |
| 1994-1998 | Member | Advanced Practice Task Force |

**Regional Committees**

Institute for Nursing Healthcare Leadership

|           |           |   |
|-----------|-----------|---|
| 2003-2011 | Associate | Research  |
| 2001-2006 | Member    | Research Steering Committee                                       |
| 2000      | Member    | International Leadership and Management<br>Curriculum Development |

Boston Children's Hospital Center of Excellence for Quality Measurement

|           |        |                           |
|-----------|--------|---------------------------|
| 2013-2014 | Member | Scientific Advisory Board |
|-----------|--------|---------------------------|

**SERVICE ACTIVITIES (University of Pennsylvania)**

**University of Pennsylvania**

|           |             |   |
|-----------|-------------|---|
| 2013-2014 | Chair       | Faculty Grievance Commission  |
| 2012      | Member      | John Morgan Society   |
| 2012-2013 | Chair-Elect | Faculty Grievance Commission  |
| 2012-2013 | Member      | Scholarly Commons Advisory Committee  |
| 2009-2010 | Member      | Hearing Board for the Student Disciplinary System and<br>the Code of Academic Integrity |
| 2009-2010 | Member      | Senate Committee on Students and the Educational<br>Policy subcommittee                 |

**School of Nursing Committees**

|           |        |                          |
|-----------|--------|--------------------------|
| 2016-2018 | Member | Faculty Search Committee |
|-----------|--------|--------------------------|

|              |             |   |
|--------------|-------------|---|
| 2015-2016    | Chair       | Faculty Search Committee  |
| 2014-2016    | Member      | Strategic Planning Research Subcommittee  |
| 2014-2017    | Member      | PhD Curriculum Committee  |
| 2013-2015    | Chair       | Personnel Committee   |
| 2013-2015    | Chair       | Research Committee  |
| 2012-2014    | Member      | Hillman Section Committee   |
| 2012-2013    | Chair-Elect | Personnel Committee   |
| 2012-2013    | Chair-Elect | Research Committee  |
| 2010-2011    | Member      | Taskforce, Developing Data Systems  |
| 2009-2010    | Member      | Advisory Taskforce for the Division Chair Search  |
| 2009         | Member      | Search Committee; CHOP; Senior Vice President<br>Patient Services & Chief Nursing Officer |
| 2008-2010    | Co-Chair    | Undergraduate Curriculum Committee  |
| 2008-2010    | Member      | Doctoral Curriculum Committee   |
| 2008-2012    | Member      | Nurse Anesthesia Advisory Board   |
| 2007         | Member      | Retreat planning committee  |
| 2007-2008    | Member      | Undergraduate Curriculum Committee  |
| 2007-present | Member      | Graduate Group in Nursing   |

**Living Independently for Elders (LIFE)**

2010-2013 Faculty Advisor

**CLINICAL AGENCY ACTIVITIES**

**Children's Hospital Boston**

**Committee Activities**

|           |          |   |
|-----------|----------|---|
| 2012-2017 | Member   | Academy for Clinical Scholarship and Innovation in<br>Pediatric Nursing |
| 2006-2007 | Member   | Senior Clinical Quality Committee                                       |
| 2005-2008 | Member   | Donation after Cardiac Death Committee                                  |
| 2005-2007 | Member   | Program for Patient Safety and Quality<br>Measurement Committee         |
| 2005-2007 | Co-Chair | Nursing Research Council  |
| 2004-2005 | Chair    | Nursing Research Council  |
| 2004-2005 | Manager  | Virtual Pediatric Intensive Care (PICU)                                 |
| 2003-2007 | Member   | Core Metrics Committee  |
| 2003-2005 | Member   | Data Collection and Auditing Committee                                  |
| 2003-2004 | Member   | Magnet Application Committee  |
| 2002-2004 | Member   | Nursing Research Council  |
| 2000-2002 | Member   | Pain Standards Committee  |
| 2000-2002 | Chair    | Nursing Research Council  |
| 2000-2003 | Chair    | Core Metrics Committee  |
| 1999-2007 | Member   | Professional Advancement Committee                                      |
| 1998-2001 | Co-Chair | Sedation Committee  |
| 1993-1997 | Co-Chair | Clinical Practice Guideline Committee                                   |
| 1990-1993 | Co-Chair | Cardiopulmonary Resuscitation Committee                                 |

**Children's Hospital Philadelphia**

2009 Collaborator NICHD: Clinical Trials Cooperative  
PI: Robert A. Berg, MD  
Division Chief, Critical Care Medicine

**DOCTORAL DISSERTATION COMMITTEES AND POST DOCS MENTORED**

**International Dissertation Committees**

Jacqueline Jauncey-Cooke  
*Optimising Paediatric Ventilation*  
The University of Queensland, Brisbane, Australia  
2012  
Examiner

Sharon Bridget Kinney  
*A study of a systems approach to reducing mortality and morbidity in a tertiary paediatric hospital.*  
Melbourne School of Graduate Research, Melbourne, Australia  
2008  
Examiner

Fiona Maxton  
*Absence is worse – Sharing and surviving the resuscitation – Parental presence during resuscitation of a child in PICU*  
University of Western Sydney, Sydney, Australia  
2005  
Examiner

**National Dissertation Committees**

Lauren Sorce  
*Impact of human milk on pediatric acute respiratory failure*  
University of Chicago  
F31 - Human Milk Feeding and Severity of Illness in Children with Respiratory Failure: Impact score 30  
2012-present  
Member

Jean C. Solodiuk  
*Pain assessment in nonverbal children with profound intellectual disability*  
Boston College, Boston, MA  
2009-2010  
Member

September 23, 2006

Laura A Mylott

*Weaning patterns in mechanically ventilated patients with acute myocardial infarction.*

Boston College, Boston, MA

2000

Member

### **University of Pennsylvania Dissertation Committees**

Ruth Lebet

*Defining the Difficult-to-Sedate Clinical Phenotype in Critically Ill Children*

2015-2017

Chair

Kaitlin Best

*Defining risk for iatrogenic withdrawal syndrome in critically ill children*

1F31NR015172-01

2014-2015

Chair

Elizabeth Froh

*Breastfeeding the Infant Born with a Congenital Diaphragmatic Hernia: A Grounded Theory Study*

2012-2014

Member

M. Melanie Lyons

*A putative novel treatment, TAT-HSP70, in a rodent model of Sepsis Induced Acute Respiratory Distress Syndrome: attenuating lung injury, decreasing mortality and increasing locomotor activity*

2009-2013

Member

Elaine Siow

*The Continuity of care index and patient outcomes in the Pediatric Intensive Care Unit (PICU)*

2009-2012

Chair

Sharon Irving

*Energy expenditure and growth in infants post cardiac surgery*

2009-2011

Member

Heather Tubbs Cooley

*The impact of nursing workforce organization on outcomes of hospitalized children*

2009-2010

Member

Desiree Fleck

*Correlates of Self-Care in Emerging Adults with Congenital Heart Disease: A Mixed-Methods Study*

2010

Reader

Danica Fulbright Sumpter

*The effects of parenting stress on growth and development in infants with congenital heart defects during the first year of life*

2008-2009

Member

### **PhD Qualifying Exams**

Alicia Kachmar – Chair (10/16)

Boyden, Jackelyn Yu-Kui – Chair (9/16)

Ruth Lebet – Chair (11/14)

Kaitlin Best- Chair (7/13)

Lisa Kohr – Chair (11/09)

Lit Soo Ng (11/09)

Elaine Siow (11/08)

Melanie Lyons (10/08)

Ashley E. Darcy (9/08)

Sharon Irving (4/08)

### **Pre-Docs Mentored**

Alicia Kachmar (Hillman Scholar)

Elizabeth Broden (Hillman Scholar)

Lauren Sorce – Rush University

### **Post Docs Mentored**

K23 Mentored Research Career Development Award

Jennifer Lay Walter, MD

Improving Family Meetings in the Pediatric Cardiac Intensive Care Unit

Children's Hospital of Philadelphia

01/19 – 12/23

K23 Mentored Research Career Development Award

Robinder G. Khemani, MD MsCI

Childrens Hospital Los Angeles

Dept. of Anesthesia and Critical Care Medicine

Consultant, multi-center trials

08/2012- 07/2017

K24 NR010244-01

PI: Mary Beth Happ, PhD, RN

Associate Professor, Acute/Tertiary Care Department  
University of Pittsburgh School of Nursing  
Symptom Management, Patient-Caregiver Communication, and Outcomes in ICU  
04/01/07-03/31/10

### **DNP Committees**

Kirsten A. Hickerson MSN, RN, CEN  
*Enhancing the effectiveness of preceptors in pediatrics*  
Johns Hopkins University, MD  
2014-2015

Jennifer M. Cohen, RN, PCNS-BC, CNRN, CCRN  
*Implementation of the State Behavioral Scale: Standardizing the sedation assessment of mechanically ventilated infants and children*  
University of San Francisco, CA  
2011-2012

### **MENTORED PROFESSIONALS**

Sandra Staveski PhD, RN, CPNP-AC  
Nurse Scientist, Heart Institute  
Assistant Professor  
University of Cincinnati, Department of Nursing  
2015-present

Catherine C. McDonald, PhD, RN  
Assistant Professor  
University of Pennsylvania, School of Nursing  
2014-present

Bridgette Brawner, RN, PhD  
Associate Professor  
University of Pennsylvania School of Nursing  
2012-present

Sharon Y Irving, PhD, MSN  
Assistant Professor of Pediatric Nursing  
University of Pennsylvania School of Nursing  
2012-present

Peggy Doyle Settle RN, PhD  
Nurse Scientist  
Nursing Director Newborn Intensive Care Unit/Pediatric Transport Team  
Massachusetts General Hospital  
2012-2014

