

JUNE 2023

UNIVERSITY OF PENNSYLVANIA – SCHOOL OF NURSING
Curriculum Vitae

SHARON Y. IRVING, Ph.D., CRNP, FCCM, FAAN, FASPEN

BUSINESS ADDRESS

University of Pennsylvania
School of Nursing, Claire M. Fagin Hall
418 Curie Boulevard, Office 415
Philadelphia, PA 19104
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EDUCATION

PhD, 2011, University of Pennsylvania

MSN, 1993, University of Pennsylvania

BSN, 1980, Marquette University

POSTGRADUATE TRAINING & FELLOWSHIP APPOINTMENTS

2022	Leadership Improvement Course Quality Improvement Initiatives Children’s Hospital of Philadelphia
2022	Senior Fellow Leonard Davis Institute University of Pennsylvania
2016 – 2018	Penn Pathways Leadership Program University of Pennsylvania
2014 – 2015	Post-Doctoral Clinical Traineeship, Nutrition Department of Gastroenterology, Hepatology and Nutrition Children’s Hospital of Philadelphia

PROFESSIONAL EXPERIENCE

Academic Positions

2022 – Present
Miriam Stirl Endowed Term Chair in Nutrition
University of Pennsylvania, School of Nursing

2020 – Present
Associate Professor of Pediatric Nursing
University of Pennsylvania, School of Nursing
Philadelphia, PA

2020 – Present
Vice-Chair for Graduate Education
Department of Family & Community Health
University of Pennsylvania, School of Nursing

2012 – 2020
Assistant Professor, Pediatric Nursing
University of Pennsylvania, School of Nursing
Philadelphia, PA

2010 – 2012
Lecturer
University of Pennsylvania, School of Nursing
Philadelphia, PA

2003 – 2004
Assistant Professor, Pediatric Clinical Faculty
Baylor College of Medicine
Houston, TX

1996 – 1999
Adjunct Faculty
University of Pennsylvania, School of Nursing
Philadelphia, PA

1994 – 1995
Lecturer
University of Pennsylvania, School of Nursing
Philadelphia, PA

1991 – 1994
Lecturer
Georgetown University
Neonatal Nurse Practitioner Program
Washington, DC

Clinical & Administrative Positions

2021 – Present
Clinical Nurse Scientist
Critical Care Center for Evidence and Outcomes
Nursing and Clinical Care Services, Critical Care
Division of Critical Care Medicine

	Children's Hospital of Philadelphia Philadelphia, PA
2009 – 2010	Co-Project Manager & Pediatric Nurse Practitioner University of Pennsylvania, School of Nursing & The Children's Hospital of Philadelphia Study to Explore Early Development (SEED) Philadelphia, PA
2004 – Present	Pediatric Nurse Practitioner, Critical Care Children's Hospital of Philadelphia Department of Nursing, Respiratory Care & Neurodiagnostic Services Philadelphia, PA
2004 – 2009	Project Manager & Pediatric Nurse Practitioner University of Pennsylvania, School of Nursing Feeding Behaviors and Energy Balance in Infants with Congenital Heart Disease Philadelphia, PA
2003 – 2004	Director, Clinical Pediatric Critical Care Nurse Practitioner Program Baylor College of Medicine/Texas Children's Hospital Houston, TX
2001 – 2003	<i>Breathmobile</i> ® Program Coordinator & Pediatric Nurse Practitioner University of Maryland Hospital for Children Baltimore, MD
1997 – 2001	Pediatric Nurse Practitioner University of Maryland Hospital for Children Critical Care Medicine/Nursing Baltimore, MD
1993 – 1997	Pediatric Nurse Practitioner Sinai Hospital of Baltimore Critical Care Medicine/Nursing Baltimore, MD
1993 – 1994	Staff Nurse, Pediatric Intensive Care Unit Georgetown University Hospital Washington, DC

1989 – 1993	Assistant Nurse Coordinator, Pediatric Intensive Care Unit Georgetown University Hospital Washington, DC
1988 – 1989	Staff Nurse II, Pediatric Intensive Care Stanford University Hospital Stanford, CA
1988 – 1988	Nursing Services Administrator Intravenous Home Care, Inc. The Woodlands, TX
1986 – 1988	Program Manager, Pediatrics CURAFLEX Health Services, Inc. Houston, TX
1986 – 1987	Patient Care Coordinator, Pediatrics CURAFLEX Health Services, Inc. Houston, TX
1985 – 1986	Unit Educator, Pediatric Intensive Care Texas Children’s Hospital Houston, TX
1984 – 1985	Staff Nurse, Pediatric Intensive Care Texas Children’s Hospital Houston, TX
1982 – 1984	Staff Nurse, Neonatal Intensive Care Texas Children’s Hospital Houston, TX
1980 – 1982	Staff Nurse, Neonatal Intensive Care Columbia-Presbyterian Medical Center New York, NY

CERTIFICATION/LICENSURE

Specialty Certification

2010 – Present	Advanced Cardiac Life Support American Heart Association
2003 – 2005	Pediatric Critical Care Nurse Practitioner #461757 Texas (Inactive)

1998 – 2015	Pediatric Advanced Life Support, Instructor American Heart Association
1998 – Present	Pediatric Advanced Life Support, Provider American Heart Association
1995 – Present	Pediatric Nurse Practitioner #0240800 American Nurses Credentialing Center
1993 – Present	Certified Registered Nurse Practitioner #SP-002292-O Commonwealth of Pennsylvania
1992 – Present	Basic Life Support – Healthcare Provider American Heart Association
Licensure	
1993 – Present	Registered Nurse #RN334222L Commonwealth of Pennsylvania
1993 – 2004	Registered Nurse #R119562 Maryland (Inactive)
1989 – 1993	Registered Nurse #760055564 District of Columbia (Inactive)
1989 – 1990	Registered Nurse #I-426910 California (Inactive)
1982 – 1989	Registered Nurse #4-61757 Texas (Inactive)
1980 – 1983	Registered Nurse #335182 New York (Inactive)

HONORS/AWARDS/MEMBERSHIPS IN HONORARY SOCIETIES

2023	Women of Color at Penn (WOCAP) Faculty Award University of Pennsylvania
2022	Presidential Citation Society of Critical Care Medicine
2021	Marilyn Stringer Academic Practice Award

Department of Family and Community Health
University of Pennsylvania, School of Nursing

2021 Fellow of the American Society for Parenteral and Enteral Nutrition
American Society for Parenteral and Enteral Nutrition

2020 Presidential Citation
Society of Critical Care Medicine

2019 Distinguished Nutrition Support Nurse Service
American Society for Parenteral and Enteral Nutrition

2016 Fellow of the American Academy of Nursing
American Nurses Association

2014 Fellow of the American College of Critical Care Medicine
Society of Critical Care Medicine

2014 Top 25 Pediatric Nursing Professors
<http://www.nursepractitionerschools.com/blog/top-pediatric-nursing-professors>

2013 Dean's Award for Exemplary Professional Practice
University of Pennsylvania, School of Nursing

2013 Distinguished Alumna in Service to Nursing
Marquette University, College of Nursing

2011 University of Pennsylvania, Candidate
School of Nursing
NIH Director's Early Investigator Award
University of Pennsylvania

2010 John S. Shropshire Graduate Scholarship
Pennsylvania Black Conference on Higher Education

2008 Inducted into Sigma Theta Tau International
Nursing Honor Society

2005 Nursing Research Award
8th Annual Update on Pediatric Cardiovascular

RESEARCH

Doctoral Dissertation

Patterns of weight change in postsurgical infants with congenital heart disease over the first year of life: Potential predictors of growth failure.

Chair: Barbara Medoff-Cooper, RN, PhD, FAAN, DAI# 7003449420.

Program/Practice Grants

Abbreviated survey to identify moderate/severe asthma in an inner-city school population.

2002 – 2003. Role: Co-Investigator, Internal Support. Carol Blaisdell, MD, Principal Investigator, Sponsor: University of Maryland Hospital for Children; University of Maryland Medical System. Total Direct Cost: \$2,500.

Characterization of Baltimore city school children with asthma evaluated on the Breathmobile®.

2002 – 2002. Role: Co-Investigator, Internal Support. Carol Blaisdell, MD, Principal Investigator Sponsor: *Breathmobile®* Program Grant, University of Maryland Hospital for Children; University of Maryland Medical System. Total Direct Cost: \$10,000.

Research Activity

Nutrition Practices for Neonates in the Pediatric Intensive Care Unit (PICU). March 2023 – Present. Role: Principal Investigator. \$3,000.00 Sponsor/Support: Sigma Theta Tau, Xi Chapter, University of Pennsylvania, School of Nursing.

PICU Overweight/Obese Anthropometry Measurements (POTATOES). June 2022 – Present. Role: Principal Investigator. Sponsor/Support: CHOP – Critical Care Center for Excellence and Outcomes (CCCEO).

Microbiome and Nutrition in Severe Pediatric Acute Respiratory Distress Syndrome (MANTIS) April 2021 – March 2026. 1R01HD104618-01. Role: Co-Investigator. Study Principal Investigator: Katri Typpo, MD, University of Arizona. \$520,165 Sponsor: National Institute of Child Health and Human Development (NICHD), National Institutes of Health.

Predicting Subtypes Using Metabolomics in Acute Respiratory Distress Syndrome (PUMA). January 2021 – December 2022. Role: Co-Investigator. Study Principal Investigator: Nadir Yehya, MD (Critical Care). \$25,000. Sponsor: Penn Center for Nutritional Science and Medicine (PenNSAM), University of Pennsylvania.

Exploring the Impact of Nutrition Therapy in Pediatric Acute Respiratory Distress Syndrome through Focused Extraction of Enteral EHR Data (FEEED) Pipeline. October 2020 – July 2021. Role: Co-Investigator. Study Principal Investigator: Mark Mai, MD (Critical

Care Medicine Fellow). \$11,600, Sponsor: Metabolism, Nutrition and Development Research Affinity Group, Children's Hospital of Philadelphia.

Continuous versus Bolus 2 nasogastric feeding in mechanically ventilated pediatric patients (COBO 2). 2016 – 2018. Role: Site Principal Investigator. Study Principal Investigator: Ann-Marie Brown, PhD, CRNP, Akron Children's Hospital. Sponsor: American Nurses Foundation No. 6142, \$15,000 and Division of Anesthesiology and Critical Care Medicine, Children's Hospital of Philadelphia.

Supplemental Parenteral Nutrition in Pediatric Respiratory Failure: A randomized trial of early versus late parenteral nutrition during pediatric critical illness (SuPPeR). 2015 – 2018. Role: Co-Investigator. Study Principal Investigator: Katri Typpo, MD, University of Arizona. Sponsor: University of Arizona and Division of Anesthesiology and Critical Care Medicine, Children's Hospital of Philadelphia.

Prevalence of nasogastric feeding tube use in US pediatric hospitals. 2014 – 2015. Role: Site Principal Investigator. Study Principal Investigator: Beth Lyman, MSN, RN. Sponsor: American Society for Parenteral and Enteral Nutrition (ASPEN), Center for Nursing Research and Evidence-Based Practice, Division of Anesthesiology and Critical Care Medicine, Children's Hospital of Philadelphia.

Research Activity – Other, Quality Improvement Projects

Anthropometric Success. January – March 2022 and March – June 2023. Role: Principal Investigator. Sponsor: Children's Hospital of Philadelphia – Nursing Clinical Care Services, Critical Care Nursing; Children's Hospital of Philadelphia – Critical Care Center for Excellence and Outcomes (CCCEO).

Pediatric International Nutrition Study-3 (PINS-3). 2017 – 2018. Role: Site Principal Investigator. Study Principal Investigator: Nilesh Mehta, MD, Boston Children's Hospital. Sponsor: Boston Children's Hospital and Division of Anesthesiology and Critical Care Medicine, Children's Hospital of Philadelphia.

Nutrition Practices and Outcomes for Children on Non-Invasive Ventilation (NPO-NIV). 2017 – 2018. Role: Site Co-Investigator. Study Principal Investigator: Katri Typpo, MD, University of Arizona. Sponsor: Pediatric Acute Lung Injury and Sepsis Investigators (PALISI) and Division of Anesthesiology and Critical Care Medicine, Children's Hospital of Philadelphia.

Tube Feeding Improvement Project for Trauma Patients. 2017 – 2021. Role: Co-Team Lead. Internal Support, Office of Safety Medical Operations, Department of Pediatric Surgery, Division of Anesthesiology and Critical Care Medicine, Children's Hospital of Philadelphia.

Evaluation of Practice Change to Improve Patient Safety for Use of Temporary Enteral Access Devices (tEAD) in Pediatric Patients at The Children's Hospital of Philadelphia (CHOP)

2015 – 2017. Role: Principal Investigator. Internal Support. \$2,650. Sponsor: Center for Nursing Research and Evidence-Based Practice, Children’s Hospital of Philadelphia. March 2016 – June 2018.

Decreasing Length of Stay in the Intensive Care Unit among Children with Severe Acute Kidney Injury. 2016 – 2018. Role: Co-Team Lead. Internal Support, Office of Quality Improvement and Safety, and Division of Anesthesiology and Critical Care Medicine, Children’s Hospital of Philadelphia.

Feasibility and reliability of resting energy expenditure (REE) measurement by indirect calorimetry in children ventilated via tracheostomy. 2012 – 2015. Role: Co-Investigator. Study Principal Investigator: Virginia A. Stallings, MD. Sponsor: Division of Gastroenterology, Hepatology and Nutrition, Clinical and Translational Research Center, Division Anesthesiology and Critical Care Medicine, Children’s Hospital of Philadelphia.

Improving Delivery of Enteral Nutrition in the Pediatric ICU. Role: Co-Team Lead. Internal Support, Office of Quality Improvement and Safety, Children’s Hospital of Philadelphia. June – December 2014.

Evaluation of Efficacy of Use of TubeClear® to Restore Patency to Occluded Enteral Access Devices in Pediatric Patients. 2014 – 2019. Role: Co-Investigator. Principal Investigator: Vijay Srinivasan, MD. Sponsor: Actuated Medical, Inc., and Division of Anesthesiology and Critical Care Medicine, Children’s Hospital of Philadelphia.

Pediatric Intensive Care Nutrition in Critical Illness (PICNIC II). 2010 – 2011. Role: Site Co-Investigator. Study Principal Investigator: Nilesh Mehta, MD, Boston Children’s Hospital. Sponsor: Boston Children’s Hospital and Division of Anesthesiology and Critical Care Medicine, Children’s Hospital of Philadelphia.

PUBLICATIONS

Journal Articles: Research, Peer-Reviewed, Data-Based

Kaplan, S., Jalloul, M., Akbari E., White, A.M., Flowers, C., Srinivasan, V., Xiaowei, Z., **Irving, S.Y.** (Under Review). Development and clinical use of a reduced-dose radiograph for feeding tube placement. *Pediatric Radiology*.

VanDamme, D.M., McRae, E.M., **Irving, S.Y.**, Kelley, S., Nishisaki, A., Berkenbosch, J.W. (Under Review). Endotracheal intubation practice by advance practice nurses in pediatric critical care. *Pediatric Critical Care Medicine*.

*Thompson, A., ***Irving, S.Y.**, Hales, R., Quinn, R., Chittams, J., Himebauch, A., Nishisaki, A. (2022). Simulation-facilitated education for pediatric critical care nurse practitioners’ airway management skills: A 10-year experience. *Journal of Pediatric Intensive Care*. <https://doi.org/10.1055/s-0042-1745832>. Epub ahead of print. 17May2022.

*Co-First Authorship

- Matula, S.T., **Irving, S.Y.**, Deatrck, J.A., Steenhoff, A.P., Polomano, R.C. (2022). The perceptions and practices of parent and children on acute pain management among hospitalized children in two Botswana referral hospitals. *Journal of Pediatric Nursing*. doi.org/10.1016/j.pedn.2022.02.004. Epub ahead of print. 18Feb2022.
- Irving, S.Y.**, Ravishankar, C., Miller, M., Chittams, J., Stallings, V.A., Medoff-Cooper, B. (2022). Anthropometry based growth and body composition in infants with complex congenital heart disease. *Clinical Nursing Research*. Feb 9:10547738221075720. doi: 10.1177/10547738221075720. Epub ahead of print.
- Bembea MM., Agus M., Akcan-Arikan A., ...**Irving SY**, ...Wynn JL, Yeyha N, Zimmerman JJ. Pediatric Organ Dysfunction Information Update Mandate (PODIUM) contemporary organ dysfunction criteria: Executive Summary. *Pediatrics*. 2022 Jan1;149(Supplement_1): S1-S12. doi: 10.1542/peds.2021-052888B. PMID: 34970673.
- Typpo, K.V., **Irving, S.Y.**, Prince, J.M., Pathan, N., Brown, AM. (2022). Gastrointestinal Dysfunction Criteria in Critically Ill Children: The PODIUM Consensus Conference. *Pediatrics*. 2022 Jan1; 149(Supplement_1): S53-S58. doi: 10.1542/peds.2021-052888H.
- Brown, AM., **Irving, S.Y.**, Pringle, C., Allen, C., Brown, M.F., Nett, S., Singleton, M.N., Mikhailov, T.A., Madsen, E., Srinivasan, V., Anthony, H., Forbes, M.L. (2021). Bolus gastric feeds improve nutritional delivery to mechanically ventilated pediatric medical patients: Results of the COntinuous vs BOLus (COBO2) Multi-Center Trial. *JPEN Journal of Parenteral and Enteral Nutrition*. [Online ahead of print] Dec 8. doi: 10.1002/jpen.2305.
- Portnoy, J., Wang, J., Wang, F., Um, P., **Irving, S.Y.**, Hackl, L., Liu, J. (2021). Lower serum selenium concentration associated with anxiety in children. *Journal of Pediatric Nursing*. [Online ahead of print] Oct 19; S0882-5963(21)00294-3. doi: 10.1016/j.pedn.2021.09.026.
- Ji, X., Compher, C.W., **Irving, S.Y.**, Kim, J., Dinges, D.F. (2021). Serum micronutrients status, sleep quality and neurobehavioral function among early adolescents. *Public Health Nutrition*, 1-11. [Online ahead of print] May 21. doi: 10.1017/S1368980021002329.
- Lisanti, M.J., Savoca, M., Gaynor, J.W., Mascarenhas, M.R., Ravishankar, C., Sullivan, E., Pieciak, K., Costarino, A., Chen, J., Kennedy, A., Olsen, R., Min, J., Mondal, A., Huang, J., **Irving, S.Y.** (2020). Standardized feeding approach mitigates weight loss in infants with congenital heart disease. *The Journal of Pediatrics*, [Online ahead of print] Dec 23; S0022-3476(20)31557-2. doi: 10.1016/j.jpeds.2020.12.047.
- Srinivasan, V., Hasbani, N.R., Mehta, N.M., **Irving, S.Y.**, Kandil, S.B., Allen, H.C., Typpo, K.V., Cvijanovich, N.Z., Faustino, E.V., Wypij, D., Agus, M.S.D., Nadkarni, VM., HALF-PINT Study Investigators. (2020). Early enteral nutrition is associated with improved clinical outcomes in critically ill children: a secondary analysis of nutrition

support in the Heart and Lung Failure-Pediatric Insulin Titration (HALF-PINT) Trial. *Pediatric Critical Care Medicine*, 21(3):213-221. doi: 10.1097/PCC.0000000000002135. Epub 2019 Oct 2.

Irving, S.Y., Daly B., Verger, J., Typpo, K.V., Brown, AM., Hanlon, A., Weiss, SL., Fitzgerald, J.C., Nadkarni, V.M., Thomas, N.J., Srinivasan, V., Sepsis Prevalence, Outcomes, and Therapies (SPROUT) Study Investigators and Pediatric Acute Lung Injury and Sepsis Investigators (PALISI) Network. (2018). The association of nutrition status expressed as body mass index z-score with outcomes in children with sepsis: A secondary analysis from the sepsis prevalence, outcomes, and therapies (SPROUT) study. *Critical Care Medicine*, 46(11):e1029-e1039. doi: 10.1097/CCM.00000000000003351. Epub 2018 Aug 7.

Srinivasan, V., Seiple, S., Nagle, M., Falk, S., Kubis, S., Lee, H., Sisko, M., Mascarenhas, M., **Irving, S.Y.** (2017). Improving the performance of anthropometry measurements in the pediatric intensive care unit. *Pediatric Quality and Safety*; e022; doi: 10.1097/pq9.0000000000000022. Epub 2017 May 10.

Northington, L., Lyman, B., Guenter, P., **Irving, S.Y.**, Duesing, L. (2017). Current practices in home management of nasogastric tube placement in pediatric patients: A survey of parents and homecare providers. *Journal of Pediatric Nursing*, 33: 46-53. doi:10.1016/j.pedn.2017.01.005. Epub 2017 Feb 7.

Karsch, E., **Irving, S.Y.**, Aylward, B.S., Mahle, W.T. (2017). The prevalence and effects of aspiration among neonates at time of discharge. *Cardiology in the Young*. [Epub ahead of print] 2017 Feb 6. doi: 10.1017/S104795111600278X.

Medoff-Cooper, B., **Irving, S.Y.**, Hanlon, A.L., Golfenshtein, N., Radcliffe, J., Stallings, V.A., Marino, B.S., Ravishankar C. (2016). The association between feeding mode, growth and developmental outcomes in infants with complex congenital heart disease at 6 and 12 months of age. *The Journal of Pediatrics*, 169:154-9.e1. doi: 10.1016/j.jpeds.2015.10.017. Epub 2015 Nov 11.

Irving, S.Y., Seiple, S., Nagle, M., Falk, S., Mascarenhas, M., Srinivasan, V. (2015). Perceived barriers to anthropometry measurements in critically ill children. *American Journal of Critical Care*, 24(6): e99-e107. doi: 10.4037/ajcc2015807.

Trabulsi, J.C., **Irving, S.Y.**, Papas, M.A., Hollowell, C., Ravishankar, C., Marino, B.S., Medoff-Cooper, B., Schall, J.I., Stallings, V.A. (2015). Total energy expenditure of infants with congenital heart disease who have undergone surgical intervention. *Pediatric Cardiology*, 36(8): 1670-1679. doi: 10.1007/s00246-015-1216-3. Epub 2015 Jun 21.

Lyman, B., Kemper, C., Northington, L., Yaworski, J.A., Wilder, K., Moore, C., Duesing, L.A., **Irving, S.Y.** (2015). Use of Temporary Enteral Access Devices in Hospitalized Neonatal and Pediatric Patients in the US. *JPEN Journal of Parenteral and Enteral Nutrition*, 40(4): 574-80. doi: 10.1177/0148607114567712. Epub 7 Jan 2015.

Irving, S.Y., Medoff-Cooper, B., Stouffer, N.O., Schall, J.I., Ravishankar, C., Compher, C.W., & Stallings, V.A. (2013). Resting energy expenditure at 3-months of age in infants following neonatal surgery for congenital heart disease. *Congenital Heart Disease*, 8(4): 343-35. PMID: 23360096.

Meaney, P.A., Sutton, R.M., Tsimba, B., Steenhoff, A.P., Shilkofski, N., Boulet, J.J., Davis, A., Kestler, A.M., Church, K.K., Niles, D.E., **Irving, S.Y.**, Mazhani, L., & Nadkarni, V.M. (2012). Training hospital providers in basic CPR skills in Botswana: Acquisition, retention, and impact of novel training techniques. *Resuscitation*, 83(12): 1484-90. PMID: 22561463.

Anderson, J.B., Marino, B.S., **Irving, S.Y.**, Garcia-Espana, J.F., Ravishankar, C., Stallings, V.A., & Medoff-Cooper, B. (2011). Poor post-operative growth in two-ventricle physiology. *Cardiology in the Young*, 21(4), 421-29. PMID: 21385513.

Medoff-Cooper, B., **Irving, S.Y.**, Marino, B.S., Garcia-Espana, J.F., Ravishankar, C., Bird, G.L., & Stallings, V.A. (2010). Weight change in infants with a functionally univentricular heart: From surgical intervention to hospital discharge. *Cardiology in the Young*, 21(2), 136-44. PMID: 21070691.

Torowicz, D., **Irving, S.Y.**, Hanlon, A.L., Sumpter, D.F., & Medoff-Cooper, B. (2010). Infant temperament and parental stress in 3-month-old infants after surgery for complex congenital heart disease. *Journal of Developmental and Behavioral Pediatrics*, 31(3), 202-08. PMID: 20375737.

Journal Articles: Research, Peer-Reviewed, Reviews

Irving, S.Y., Berry, K.G., Morgan, S.E., Seiple, S.M., Nagle, M.L., Stetzer, M., Tabatabaei, N., Murphy, S., Srinivasan, V., Mascarenhas, M. (In Press). Nutrition considerations for skin integrity and pressure injury in critically ill pediatric patients. *Nutrition in Clinical Practice*.

Jacobowitz, M., Durning, J. D., Moriarty, H., James, R., **Irving, S.Y.**, Licht, D.J., Yost, J. (2022). Oral feeding dysfunction in postoperative infants with congenital heart defects: A scoping review. *Cardiology In the Young*, 2022 Apr 22;1 -9. [Online ahead of print]. PMID: 25450551.

Irving, S.Y., Albert, B.D., Mehta, N.M., Srinivasan, V. (2022). Strategies to optimize enteral feeding and nutrition in the critically ill child. *Pediatric Medicine*. doi: 10.21037/pm-21-6.

Wool, J., **Irving, S.Y.**, Meghani, S., Ulrich, C. (2021). Parental decision-making in the pediatric intensive care unit: An integrative review. *Journal of Family Nursing*, May;27(2):154-167. Epub 2021 Feb 1. doi: 10.1177/1074840720975869

Brown, A.M., Madsen, E.C., Leonard, C.P., Leslie, S.L., Allen, C., Srinivasan, V., **Irving, S.Y.** (2020). Continuous vs bolus gastric feeding in mechanically ventilated pediatric patients: A systematic review of the literature. *American Journal of Critical Care*, 29(1): 33-45. doi: 10.4037/ajcc2020850.

Mechanick, J.I., Carbone, S., Dickerson, R.N., Hernandez, B.J., Hurt, R.T., **Irving, S.Y.**, Li, D., McCarthy, M.S., Mogensen, K.M., Ochoa, J., Patel, J.J., Prewitt, T.E., Rosenthal, M., Warren, M., Winkler, M.F., McKeever, L. (2020). Clinical Nutrition Research and the COVID-19 Pandemic: A Scoping Review of the ASPEN COVID-19 Nutrition Taskforce. *JPEN Journal of Parenteral and Enteral Nutrition*, 45(1):13-31. doi: 10.1002/jpen.2036. Epub 2020 Oct 23.

Matula, S.T., Polomano, R., **Irving, S.Y.** (2018). The state of the science in pediatric pain management practices in low-middle income countries (LMIC): An integrative review. *International Journal of Nursing Practice*, 24(6):e12695. Epub 2018 Sep 26. doi: 10.1111/ijn.12695.

Kachmar, A.G., **Irving, S.Y.**, Connolly, C.A., Curley, M.A.Q. (2018). A systematic review of risk factors associated with cognitive impairment after pediatric critical illness. *Pediatric Critical Care Medicine*, 19(3):e164-e171. doi: 10.1097/PCC.0000000000001430.

Brown, A.M., Carpenter, D., Keller, G., Morgan, S., **Irving, S.Y.** (2015). Enteral nutrition in the PICU: Current status and ongoing challenges. *Journal of Pediatric Intensive Care*, 4(2): 111-120. doi.org/10.1055/s-0035-1559806.

Irving, S.Y., Lyman, B., Northington, L., Bartlett, J., Kemper, C., and the NOVEL Project Workgroup. Nasogastric tube placement and verification in children: Review of the current literature. (2014). *Nutrition in Clinical Practice*, 29(3):267-76. PMID: 24737681. Note: Dual publication. *Critical Care Nurse*, 34(3):67-78. PMID: 24735587.

Orioles, A., **Irving, S.Y.**, & Srinivasan V. (2013). Critical appraisal of: Nutritional practices and their relationship to clinical outcomes in critically ill children – An international multicenter cohort study. *Critical Care Medicine*, 2012, 40(7):2204-2211. In the PedsCCM Evidence-Based Journal Club.

Journal Articles: Clinical, Peer-Reviewed

Honarmand, K., Sirimatuross, M., Hirshberg, E.L., Bircher, N.G., Agus, M.D., Carpenter, D.L., Downs, C.R., Farrington, E.A., Freire, A.X., Grow, A., **Irving, S.Y.**, Krinsley, J.S., Lanspa M.J., Long, M.T., Nagpal, D., Preiser, J., Srinivasan V., Umpierrez, G.E., Jacobi J. (In Press). SCCM Guidelines on glycemic control for critically ill children and adults 2024. *Critical Care Medicine*.

Hunt, C.E., Kemper, C., Pauley, R., Rempel, G., Visscher, D., Northington, L., Lyman, B., **Irving, S.Y.** (In Press). Risk reduction of nasogastric (NG) tube misplacement:

Nursing leadership responsibility in implementing evidence-based practice. *Nursing Management*.

Tjoeng, Y.L., Myers, C., **Irving, S.Y.**, Esangbedo, I., Wheeler, D., Musa, N. The current state of workforce diversity and inclusion in pediatric critical care. *Critical Care Clinics*. (2022); 39(2). doi: <https://doi.org/10.1016/j.ccc.2022.09.008>

Browne, N.T., Hodges, E., Small, L., Snethen, J., Frenn, M., **Irving, S.Y.**, Gance-Cleveland, B., Greenberg, C. (2021). Childhood obesity within the lens of racism. *Pediatric Obesity*, 17(5) e12878. [doi.10.1111/ijpo.12878](https://doi.org/10.1111/ijpo.12878). Epub 2021 Dec 19.

Berry, K.G., Seiple, S.M., Stellar, J.J., Nagle, M.L., Curry, K., Immel, A., James, R., Srinivasan, V., Mascarenhas, M.R., Garrett, A., **Irving, S.Y.** (2021). A scoping review to inform a multi-disciplinary approach for nutrition therapy in critically ill children with pressure injuries. *Translational Pediatrics*. doi: 10.21037/tp-21-3. <https://dx.doi.org/10.21037/tp-21-3>.

Henderson, M.D., Schmus, C.J., McDonald, C.C., **Irving, S.Y.** (2021). The COVID-19 pandemic and the impact on child mental health: A socio-ecological perspective. *Pediatric Nursing*. 46(6):265-272, 290.
Cited in: Office of the Surgeon General (OSG). (2021). *Protecting Youth Mental Health: The U.S. Surgeon General's Advisory*. US Department of Health and Human Services.

Irving, S.Y., Guenter, P., Mehta, N.M. (2019). Incorporating the 2017 pediatric nutrition guidelines into clinical practice. *Nursing 2019 Critical Care*, 14(1): 13-19. doi: 10.1097/01.CCN.0000549629.44430.26.

Irving, S.Y., Rempel, G., Lyman, B., Sevilla, W.M., Northington, L., Guenter, P., The American Society for Parenteral and Enteral Nutrition. (2018). Pediatric nasogastric tube placement and verification: Best practice recommendations from the NOVEL project. *Nutrition in Clinical Practice*, 33(6):921-927. doi: 10.1002/ncp.10189. Epub 2018 Sep 6.

Mehta, N.M., Skillman, H.E., **Irving, S.Y.**, Coss-Bu, J., Vermilyea, S., Farrington, E.A., McKeever, L., Hall, A.M., Goday, P.S., Braunschweig, C. (2017). Guidelines for the provision and assessment of nutrition support therapy in the pediatric critically ill patient: Society of Critical Care Medicine and American Society for Parenteral and Enteral Nutrition. *Pediatric Critical Care Medicine*, 18(7): 675-715. doi: 10.1097/PCC.0000000000001134.

Note: Dual publication.

JPEN Journal of Parenteral and Enteral Nutrition. (2017). Jul; 41(5):706-742. doi: 10.1177/0148607117711387. Epub 2 Jun 2017.

Lyman, B., Guenter P, Northington L., Kemper C., **Irving, S.Y.**, Wilder, K., Duesing, L., Yaworski, J.A., Rempel, G., Sevilla, W.M., Visscher, D. (2015). Verifying NG tube

placement in children. *Nursing* 2015, 45(10): 8-9. doi:
10.1097/01.NURSE.0000471417.42130.7c.

Medoff-Cooper, B., & **Irving, S.Y.** (2009). Innovative strategies for feeding and nutrition in infants with congenitally malformed hearts. *Cardiology in the Young*, 19(Suppl 2), 90-95. PMID: 19857355.

Irving, S.Y. & Curley, M.A.Q. (2008). Challenges to conducting multicenter clinical research: Ten points to consider. *AACN Advanced Critical Care*, 19(2): 164-69. PMID: 18560285.

Lieder, H.S., **Irving, S.Y.**, Maurico, R., & Graff, J.M. (2005). Munchausen syndrome by proxy: A case report. *AACN Clinical Issues*, 16(2), 178-84. PMID: 15876886.

Irving, S.Y., Simone, S.D., Hicks, F.W., & Verger, J.T. (2000). Nutrition for the critically ill child: Enteral and parenteral support. *AACN Clinical Issues*, 11(4), 541-58. PMID: 11288418. doi: 10.1097/00044067-200011000-00007.

Derengowski, S.L., **Irving, S.Y.**, Koogler, P.V., & Englander, R.M. (2000). Defining the role of the pediatric critical care nurse practitioner in a tertiary care center. *Critical Care Medicine*, 28(7), 2626-30. PMID: 10921606.

Abstracts: Peer-Reviewed, Data-Based

Emeriaud, G., Napolitano, N., Brown, AM., **Irving, S.Y.**, Kelley, C., Srinivasan, V., Nishisaki, A., Typpo, K. Non-invasive ventilation practice for primary respiratory management in the pediatric intensive care unit: An international study. (2020). *Pediatric Critical Care Medicine*, 22(Supplement 1 3S): 21-22.

Brown, AM, Leonard C, Srinivasan V, Allen C, Singleton M, Madsen E, Mikhailov T, **Irving S**, Brown M, Nett S, Forbes M. (2019). Routine measurement of gastric residual volumes impairs delivery of enteral nutrition and does not predict adverse events in the Pediatric ICU – A multi-center clinical trial. *JPEN Journal of Parenteral and Enteral Nutrition*. 43(3), s103-104. *Abstract of Distinction*.

Brown, AM., Singleton M, Madsen E, Leonard C, Srinivasan V, Allen C, Mikhailov T, **Irving S.**, Brown M, Nett S, & Forbes M. (2019). Continuous vs Bolus NG feeding in intubated pediatric patients (COBO2) – Results of a multi-center clinical trial. *JPEN Journal of Parenteral and Enteral Nutrition*. 43(3), s75-76. *Abstract of Distinction*.

Brown, AM., Mikhailov, T., **Irving, S.**, Leonard, C., Singleton, M., Srinivasan, V., Allen, C., Madsen, E., Brown, M., Forbes, M. (2019). Continuous versus bolus feeding in intubated pediatric patients: A multi-center clinical trial. *Critical Care Medicine*, 47(1), #463.

- Srinivasan, V., Hasbani, N., Asaro, L., Mehta, N., **Irving, S.**, Kandil., S., Allen, C., Typpo, T., Cvijanovich, N., Faustino, E.V., Wypij, D., Agus., M., Nadkarni, V. (2018). Timing of nutrition initiation and clinical outcomes in critically ill children with hyperglycemia. 47th Society of Critical Care Medicine Congress. San Antonio, TX, (February 2018). *Critical Care Medicine*, 46(1): 180.
- Kaplan, S., Flowers C., **Irving, S.**, Crawford, J., Lin, R., Schleelein, L., Johnson, A., Anupindi, S., White, A., Zhu, X. (2018). Reduced-dose radiography protocol for focused assessment of feeding tube position. *Pediatric Radiology*, 48(Suppl 1), #088.
- Ginsburg, S., Kapavarapu, P., **Irving, S.**, Marsillio, L., Mascarenhas, M., Srinivasan, V. (2015). Imbalances in energy delivery and outcomes in critically ill children with bloodstream infections. *Critical Care Medicine*, 43(12, Suppl), #274.
- Irving, S. Y.**, Crawford, J. E., Goldberg, E., Mohan, A., Ford, N., Davis, D. H. (2015). Practice change for patients with nasogastric/orogastric enteral tubes: Safety improvement initiative. 26th International Nursing Research Congress, Honor Society of Nursing, Sigma Theta Tau International, San Juan, PR. Retrieved from: <http://www.nursinglibrary.org/vhl/handle/10755/601934>
- Irving, S. Y.**, Mascarenhas, M. R., Srinivasan, V., Seiple, S., Perkel, M. M., Falk, S. E., & Nagle, M. L. (2013). Comparison of nurse versus ordering provider perceived barriers to anthropometry measurements in critically ill children. 42nd Biennial Convention of the Honor Society of Nursing, Sigma Theta Tau International, Indianapolis, IN. Retrieved from: <http://www.nursinglibrary.org/vhl/handle/10755/308637>
- Groleau, V., **Irving, S.**, Napolitano, N., Bolton, J., Schall, J., Lin, R., Stallings, V., Srinivasan, V. (2013). Safety and feasibility of resting energy expenditure measurement in chronically ventilated children. *Critical Care Medicine*, 41(12, Suppl), #741.
- Seiple, S., Nagle, M., Falk, S., **Irving, S.Y.**, Verger, J., Perkel, M., Mascarenhas, M., Srinivasan, V. (2012). Survey of perception of barriers to anthropometry measurements in pediatric intensive care. *Critical Care Medicine*, 40(12, Suppl), #323.
- Thompson, A., **Irving, S.Y.**, Nishisaki, A., Hales, R., Nadkarni, V., & Berg, R. (2011). Airway management skills for pediatric critical care nurse practitioners: A simulation-based training program. (2011). *Critical Care Medicine*, 39(12 Suppl), 478.
- Meaney, P.A., Tsimas, B., Sutton, R., Steenhoff, A., Kestler, A., **Irving, S.Y.**, Church, K., Niles, D., Mazhani, L., & Nadkarni, V.M. (2011). Novel training improves acquisition and retention of life support skills in resource limited settings. *Critical Care Medicine*, 39(12 Suppl), 478.

Abstracts: Oral Presentations, Peer-Reviewed, Data-Based

- Ronan, L.B., Glickman, M., Brodecki, D., Traynor, D., **Irving, S.Y.** RN success for anthropometric measurements at PICU admission. 20th Annual Nursing of Children Network Regional Pediatric Conference. Newark, DE (October 2023).
- Jalloul, M., **Irving, S.Y.**, Srinivasan, V., Shumyatsky, G., White, A., Kaplan, S. Clinical application of reduced radiation radiographic exam for feeding tube position. American Roentgen Ray Society, Annual Meeting. Honolulu, HI (April 2023).
- Mai, M., **Irving, S.Y.**, Yehya, N., Srinivasan, V. Feasibility of using EHR-based extraction of nutrition data in critically ill children. Society of Critical Care Medicine. 51st Annual Critical Care Congress. San Juan, PR (February 2022).
Bronze Research Award.
- Browne, N., Snethen, J., Hodges, E., Small, L., Frenn, M., **Irving, S.**, Gance-Cleveland, B., Greenberg, C. (2021). Impact on Child Health: Exemplar Childhood Obesity. Eta Nu Chapter, Sigma Theta Tau, International 7th Annual Poster Symposium, University of Wisconsin – Milwaukee (November 2021).
- Snethen, J., Hodges, E., Browne, N., Small, L., Frenn, M., **Irving, S.**, Gance-Cleveland, Greenberg, C. (2021). Racism’s Impact on Child Health: Exemplar Childhood Obesity. Peace & Justice Studies Association (PJSA) & Wisconsin Institute for Peace and Conflict Studies (WIPCS) Annual Conference 2021: Health, Equity, and Peacebuilding, University of Wisconsin–Milwaukee (October 2021).
- Hodges, E., Browne, N., Small, L., Snethen, J.A., Frenn, M., **Irving, S.Y.**, Gance-Cleveland, B., Greenberg, C. (2021). Childhood Obesity Within the lens of structural racism. Council for the Advancement of Nursing Science (CANS) 2021 Advanced Methods Virtual Conference (October 2021).
- Van Damme, D., McRae, E., **Irving, S.Y.**, Kelly, S., Nishisaki, A., Berkenbosch, J. Endotracheal intubation practice among APRNs in pediatric intensive care units. Society of Critical Care Medicine. 50th Annual Critical Care Congress. Virtual Meeting (February 2021).
Bronze Snapshot Award
- Kaplan, S., **Irving, S.**, Flowers, C., White, A., Srinivasan, V., Zhu, X. Reduced radiation technique for radiographic evaluation of temporary feeding tube position. (2019). The European Society of Paediatric Radiology. 55th Annual Meeting. Helsinki, Finland (May 2019).
- Irving, S.Y.**, Flowers, C., Crawford, J.E., Lin, R., Srinivasan, V., Schleelein, L., White, A., Zhu, X., Kaplan, S.L. (2019). A reduced radiation dose protocol is feasible for assessment of enteral feeding tube location in children. ASPEN Nutrition Science & Practice Conference, Phoenix, AZ (March 2019).

Srinivasan, V., Hasbani, N., Asaro, L., Mehta, N., **Irving, S.**, Kandil., S., Allen, C., Typpo, K., Cvijanovich, N., Faustino, E.V., Wypij, D., Agus., M., Nadkarni, V. (2018). Timing of nutrition initiation and clinical outcomes in critically ill children with hyperglycemia. ASPEN Nutrition Science & Practice Conference, Las Vegas, NV (January 2018).

Kaplan, S., Flowers, C., **Irving, S.**, Crawford, J., Lin, R., Schleelein, L., Anupindi, S., Johnson, A., White, A., Zhu, X. (2018). Reduced-dose radiography protocol for focused assessment of feeding tube position. Society for Pediatric Radiology Annual Meeting, Nashville, TN (May 2018).

Medoff-Cooper, B., **Irving, S.Y.**, Shall, J., Stallings, V.A., Ravishankar, C. (2017). Growth failure in infants with complex CHD over the first year of life. 4th International Conference on Nutrition & Growth. Amsterdam, Netherlands (March 2017).

Abstracts: Posters, Peer-Reviewed, Data-Based

Rooney, D., Brodecki, D., Ronan, L., Traynor, D., **Irving, S.Y.** Pediatric obesity – anthropometric challenges in the PICU. 20th Annual Nursing of Children Network Regional Pediatric Conference. Newark, DE (October 2023).

Ponzek, R., Nawab, U., Minetola, J., Ehritz, C., Peskin, K., Kaplan, S., **Irving, S.**, Meeker, T., Colfer, A., Schofield, R. (2022). NG tube feeding safety: Breakthrough to zero harm! Children’s Hospital of Philadelphia, Quality and Safety Day, Philadelphia, PA (May 2022).

First Place Award Designation

Lisanti AJ, Savoca M, **Irving SY**, Sullivan E, Min J, Mondal A, Huang J, Mascarenhas M, Chen J, Ravishankar C, Costarino A, Medoff-Cooper B, Kennedy A, Olsen R, Gaynor JW. (2019). Evaluation of a comprehensive nutrition pathway for infants requiring neonatal cardiac surgery. American Heart Association Scientific Sessions 2019, Philadelphia, PA (November 2019).

Liu, J., Wu, L., Hanlon, A., Tien, J., Um, P., Dickerman, B., **Irving, S.**, Shi, Z., Compher, C. (2019). Breakfast types are associated with adolescents’ IQ and academic achievement. Nutrition 2019! Baltimore, MD (June 2019).

Kubis, S., **Irving, S.**, Rooney, D., Li, R., Srinivasan, V. (2016). Use of a critical care nutrition pathway to improve early initiation of enteral nutrition in the pediatric intensive care unit. 8th World Congress on Pediatric Intensive and Critical Care, Toronto, Canada (June 2016).

Irving, S.Y., Ravishankar, C., Chittams, J., Miller, M., Schall, J.I., Stallings, V.A., Medoff-Cooper, B. (2016). Use of mid-upper arm circumference and skinfold measurements to evaluate muscle and fat stores in infants with congenital heart disease. 3rd International Conference on Nutrition and Growth. Vienna, Austria (March 2016).

Nagle, M., Seiple, S., Falk, S., Kubis, S., Srinivasan, V., Mascarenhas, M., Hewlett, J., Sisko, M., Li, R., Kraus, B., **Irving, S.Y.** (2015). PICU/PCU Nutrition initiation and advancement pathway. American Society for Parenteral and Enteral Nutrition, Clinical Nutrition Week 16. Austin, TX (January 2016).

Anderson, H., Crawford, J.E., Goldberg, E., **Irving, S.** (2015). Preliminary evaluation of practice change related to use of temporary enteral access device (tEAD). 12th Annual Regional Pediatric Nursing Conference, Nursing of Children Network. Wilmington, DE (October 2015). Research Award.

Gibson, B., Sisko, M., Brodecki, D., **Irving, S.** (2015). Assessment of PICU/PCU Nutrition Pathway. 12th Annual Regional Pediatric Nursing Conference, Nursing of Children Network. Wilmington, DE (October 2015).

Seiple S., Nagle M., Falk S., **Irving S.Y.**, Verger J., Hewlett J., Conner B., Mascarenhas M., Srinivasan V. (2015). Process to improve anthropometry measurements following admission to the pediatric intensive care unit. American Society for Parenteral and Enteral Nutrition, Clinical Nutrition Week 15. Long Beach, CA (February 2015). Abstract of Distinction.

Seiple, S., Nagle, M., Falk, S., **Irving, S.Y.**, Verger, J., Perkel, M., Mascarenhas, M., Srinivasan, V. (2014). Improving anthropometric measurements in the Pediatric Intensive Care Unit. Children's Hospital of Philadelphia 3rd Annual Quality and Patient Safety Day (May 2014).

Crawford J., Goldberg B., Ford N., Mohan A., Davis D., **Irving S.Y.** (2014). Practice changes to improve safety for patients with a nasogastric/orogastric enteral tube. Association of Pediatric Gastroenterology and Nutrition Nurses (APGNN) Annual Meeting. Atlanta, GA, Poster of Distinction (October 2014).

Kumaran, S, **Irving S.Y.**, Connelly J., Srinivasan, V, Kilbaugh T, Blinman T. (2013). ECMO Calorimetry. 29th Annual Children's National Medical Center Symposium: ECMO & the Advanced Therapies for Respiratory Failure, Keystone, CO (February 2013).

Medoff-Cooper, B., **Irving, S.Y.**, Stallings, V., Hanlon, A.L., & Ravishanka, C. (2012). Predictors of developmental outcomes in infants with complex congenital heart disease. 1st International Conference on Nutrition and Growth, Paris, France (March 2012).

Chapters in Books or Monographs

Irving, S.Y., Seiple, S., Srinivasan, V. (In Press). Critical Illness. In C. Larson-Nath (Ed), *ASPEN Pediatric and Neonatal Nutrition Support Handbook* (3rd edition). Silver Spring, MD: ASPEN.

Sullivan, E., **Irving, S.Y.**, Srinivasan, V., Ravishankar, C. (In Press). In C. Larson-Nath (Ed), *ASPEN Pediatric and Neonatal Nutrition Support Handbook* (3rd edition). Silver Spring, MD: ASPEN.

Irving, S.Y., McKeever, W., Srinivasan, V., Compher, C. (2020). ICU Nutrition Support. In V. Stallings (Section Ed). *Present Knowledge in Nutrition: Clinical and Applied Topics in Nutrition* (11th edition). Philadelphia, PA: Elsevier.

Shields, K., & **Irving, S. Y.** (2020). Assessment of Nutrition Status. In: B. Bolick, K. Reuter-Rice, M. Madden & P. Severin (Eds.), *Pediatric Acute Care: A Guide for Interprofessional Practice* (2nd edition). Philadelphia, PA: Elsevier.

Irving, S.Y. & Shields, K. (2020). Malnutrition and Failure to Thrive. In B. Bolick, K. Reuter-Rice, M. Madden & P. Severin (Eds.), *Pediatric Acute Care: A Guide for Interprofessional Practice* (2nd edition). Philadelphia, PA: Elsevier.

Goodwin, M., & **Irving, S.Y.** (2015). Cerebral Salt Wasting. In A. Kline-Tilford, C. Haut (Eds.), *Pediatric Acute Care Certification Review (200 – 201)*. Burlington, MA: Jones & Barlett Learning.

Irving, S.Y. & Mascarenhas, M.R. (2012). Nutritional deficiencies in pediatric critical illness. In J. Stockwell, C, Preissig (Eds.), *Comprehensive Critical Care: Pediatric (949 – 960)*. Mount Prospect: The Society of Critical Care Medicine.

Guest Editorials, Book Reviews, Other Publications

Lyman, B., Guenter, P., Northington, L., Kemper, C., **Irving, S.**, Wilder, K., Duesing, L., Yaworski, JA., Rempel, G., Sevilla, WM., Visscher, D. (2015). Verifying NG tube placement in children. [Letter to the Editor]. *Nursing* 2015, 45(10): 8-9.

Irving, S.Y. (2012). Collaborative practice in the PICU: The Nurse Practitioner role complementing delivery of care. *Australian Critical Care*, 25(4), 210-211. PMID: 22999300.

Alternative Media

Irving, S.Y., Brown, A.M. (13 November 2022). *The ACPNP Role in Research*. Podcast Sponsor: National Association of Pediatric Nurse Practitioners (NAPNAP). Host: Jeremy Jordan.
<https://anchor.fm/teampeds-talks/episodes/Role-of-the-Acute-Care-PNP-in-Research-S6-E5-e1mbgie>

O’Sullivan, A., **Irving, S.Y.**, Treston, J., Lerner, J.C., Goldfield, N. (06 April 2022). *Nurses and doctors as diplomats in the COVID culture wars*. American Nurse.
<https://www.myamericannurse.com/nurses-and-doctors-as-diplomats-in-the-covid-culture-wars/>.

- Gardner, L.A., Lyman, B., **Irving, S.Y.** (17 November 2021). *Tube Placement Verification: Implementation and De-Implementation Strategies*. Webinar Sponsor: Pennsylvania Patient Safety Authority. <https://www.youtube.com/watch?v=MCX6fcNRzE&t=21s>
- Cook, R., Kloss, J., Blinman, T., Nace, G., Bruins, B., Campbell, M., Elliot, E., **Irving, S.Y.** (2021, September). *Clinical Pathway for Management of Nutrition in the Traumatically Injured Patient Requiring ICU Care for ≥ 3 Days*. Webpage retrieved from: www.chop.edu/clinical-pathway/trauma-nutrition-clinical-pathway-icu
- Maqbool, A., Tangrea, N., Brownell, J., **Irving, S.Y.**, Grachen, A., W. Kraemer, W., DiMaggio, T., Driggers, J., Mascarenhas, M., Anupindi, S., Mayer-Brown, S., Kraenbring-Comerford, M., Lee, S., Allen, J., Acord, M., Nace, G., Laje, P. (2020, September). *Emergency Department and Inpatient Clinical Pathway for Treatment and Management of Non-Traumatic Pancreatitis*. Webpage retrieved from: www.chop.edu/clinical-pathway/pancreatitis-clinical-pathway
- Irving, S.Y.**, Hair, A.B., Fauerbach, T. (2019, July 25). *The Management of Macronutrients for Pediatric and Neonatal Patients*. Webinar. Sponsor: ASPEN Clinical Nutrition Webinar Series. <https://aspen.digitellinc.com/aspen/sessions/13951/view>
- Irving, S.Y.**, Srinivasan, V., Mascarenhas, M., Seiple, S., Nagle, M., Falk, S., Sisko, M. (Revised, 2017, April). *PICU/PCU Inpatient Pathway for Initiation and Advancement of Nutrition*. Webpage retrieved from: <http://www.chop.edu/clinical-pathway/nutrition-picu-pcu-initiation-and-advancement-clinical-pathway>
- Lisanti, A.J., Savoca, M., Chen, J., Costarino, D., Drabouski, K., Natarajan, S., Lessen, R., Burnham, N., Connock, M., Welc, MA., Rim, J., Proffitt, K., DiFusco, L., Seelhorst, A., Meldrum, H., Sorvello, A., Mathews, A., Ravishankar, C., Montenegro, L., **Irving, S.**, Mascarenhas, M.R., Medoff-Cooper, B., Perri, A., Gaynor, J.W. (2016, April). *Nutrition Pathway for Neonates after Surgery for Congenital Heart Disease*. Webpage retrieved from: <http://www.chop.edu/clinical-pathway/nutrition-in-neonates-after-surgery-for-congenital-heart-disease-clinical-pathway>
- Lyman, B., **Irving, S.Y.**, Wilder, K. (2015, March 25). *Temporary Enteral Access Placement Verification in Pediatric Patients: A Continuing Conundrum*. Webinar. Sponsor: America Society for Parenteral and Enteral Nutrition (ASPEN). <https://www.nutritioncare.org/uploadedFiles/Documents/NOVEL%20News%20Issue%202.pdf>
- Irving, S.Y.**, Srinivasan, V., Mascarenhas, M., Seiple, S., Nagle, M., Falk, S., Hewlett, J., Sisko, M., Verger, J., Perkel, M., Connor, B. (2014, December). *PICU/PCU Inpatient Pathway for Initiation and Advancement of Nutrition*. Webpage retrieved from: <http://www.chop.edu/clinical-pathway/nutrition-picu-initiation-and-advancement-clinical-pathway-inpatient>

Irving S.Y. (2013, December 23). Medscape (Producer). CHOP Expert Commentary. *The Nurse Practitioner in Acute and Specialty Care*. Podcast retrieved from: <http://www.medscape.com/viewarticle/817995>.

Irving S.Y., Kemper C. (2014, April 22). Nutrition in Clinical Practice (Producer). Dr Jeanette Hasse, Editor-In-Chief (Director). *Nasogastric Tube Placement and Verification in Children*. Podcast retrieved from: <http://ncp.sagepub.com/content/29/3/267/suppl/DC2>.

CONSULTATION: RESEARCH/EDUCATIONAL/CLINICAL

International

Irving, S.Y. Workshop, consultant (February 2023). EQ-TIPS (EuroQol toddler and Infant Populations) Research Team. The EQ-TIPS is an experimental EuroQol instrument developed to measure Health Related Quality of life in children aged 0-3 years. Chair: Janine Verstraete, University of South Africa.

Irving, S.Y. Consultant (2017 – 2019). A feasibility study of no routine gastric residual volume (GRV) measurement in mechanically ventilated infants and children: The GASTRIC study. £343 123.82 NIHR HTA. Principle Investigator: Lyvonne Tume, RN, MSc, PhD. Associate Professor, University of the West of England.

RECENT LECTURES/PRESENTATIONS BY INVITATION

International

Building a Program of Inquiry: A Journey of Clinical Practice & Research. Research Seminar. Virtual Platform, American University of Beirut, Rafic Hariri School of Nursing. January 18, 2023.

Pre-Illness Nutrition Status: A “Pathway” to Nutrition in Critically Ill Children. The Best of SCCM Critical Care Congress. Virtual Platform, Abu Dhabi, United Arab Emirates. November 24 – 27, 2021.

Early Enteral nutrition: timing more important than the initial amount. 10th Congress of the World Federation of Pediatric Intensive & Critical Care Societies. Virtual Platform, December 2020.

Protein and Caloric Provision in the Critically Ill Child in the 21st Century: Bench and bedside – What’s the evidence? Any at all? Pediatric Critical Care Summit of the Americas. 26th Pediatric Critical Care Colloquium/15th Latin American Congress of Pediatric Intensive Care. Houston, TX, November 2019.

How to Optimize Nutrition in the PICU. Panel presentation and discussion – Chair. 8th World Congress on Pediatric Intensive and Critical Care. Toronto, Canada. June 2016.

Using practice change to spark institutional culture change. International Invited Faculty. World Federation Critical Care Nurses 12th Congress. Brisbane, Australia. April 2016.

What is emotional intelligence and how it effects ICU nurses. International Invited Faculty. World Federation Critical Care Nurses 12th Congress. Brisbane, Australia. April 2016.

Educating the 21st century PICU nurse: Bridging the gap using electronic resources. International Invited Faculty, Keynote. World Federation Critical Care Nurses 12th Congress. Brisbane, Australia. April 2016.

Association between feeding mode, growth, and developmental outcomes in infants with complex congenital heart disease. 3rd International Conference on Nutrition and Growth. Vienna, Austria. March 2016.

Practice change for patients with nasogastric/orogastric enteral tubes: Safety improvement initiative. Honor Society of Nursing, Sigma Theta Tau. 26th International Nursing Research Congress. San Juan, PR. July 2015.

Collaborative practice in the PICU: The nurse practitioner role complementing delivery of care. International Invited Nurse Lecturer, Australian & New Zealand Intensive Care Society/Australian College of Critical Care Nurses (ANZICS/ACCCN) Intensive Care Annual Scientific Meeting. Brisbane, Australia. October 2011.

Diversity in the Pediatric Nurse Practitioner role. International Invited Nurse Lecturer, Australian & New Zealand Intensive Care Society/Australian College of Critical Care Nurses (ANZICS/ACCCN) Intensive Care Annual Scientific Meeting. Brisbane, Australia. October 2011.

Patterns of weight change in infants with congenital heart disease following neonatal surgery: Potential predictors of growth failure. International Invited Nurse Lecturer. The Australian and New Zealand Intensive Care Society/Australian College of Critical Care Nurses (ANZICS/ACCCN) Intensive Care Annual Scientific Meeting. Brisbane, Australia, October 2011.

National

Why Call it Nutrition Therapy? Beyond the Caloric Reasons to Feed the Gut. Society of Critical Care Medicine, 2023 Critical Care Congress. San Francisco, CA. January 2023.

De-Implementing Unsafe Traditional Practices with Evidence. That is the Way Forward! Colorado Society for Parenteral and Enteral Nutrition (CSPEN). October 7, 2022.

Pediatric Malnutrition and the Research Landscape: Use of the ASPEN Guidelines; What Have We Learned & What's Missing. Early Life Malnutrition Research Considerations NIH Malnutrition in Clinical Settings Virtual Workshop. September 19 – 20, 2022.

Does Evidence Improve Practice? Impact of the NOVEL Project 5 Years Later. 31st Annual Scientific APSNA Scientific Conference Virtual Meeting. May 16 – 17, 2022.

The 2017 Nutrition Guidelines. Current Concepts in Pediatric Critical Care. Society of Critical Care Medicine, 2022 Critical Care Congress. Virtual Meeting. April 18 – 21, 2022.

Enteral Feeding on Vasoactive Medication Infusions: Should We? Can We? Pediatric Critical Care Medicine Research Conference. Texas Children’s Hospital/Baylor College of Medicine. Houston, TX. September 2021.

The Nuts and Bolts of Creating a Clinical Practice Guideline (CPG) for Critically Ill Children. ASPEN 2021 Nutrition Science & Practice Conference. Virtual Meeting, March 2021.

Assessing Nutrition Risk in Acute and Critical Illness in Hospitalized Patients Across the Lifespan. ASPEN 2021 Nutrition Science & Practice Conference. Virtual Meeting, March 2021.

Pre-Illness Nutrition Status: A “Pathway” to Nutrition in Critically Ill Children. Society of Critical Care Medicine, 50th Critical Care Congress. Virtual Meeting, February 2021.

Enteral Feeding for Patients on Vasopressors: Can We? Should We? Society of Critical Care Medicine, 49th Critical Care Congress. Orlando, FL. February 2020.

Airway, Breathing, Circulation...Nutrition: The Changing Paradigm Nutrition Therapy for the Critically Ill Child. Pediatric Critical Care Medicine Research Conference. Texas Children’s Hospital / Baylor College of Medicine. Houston, TX. November 2019.

Using pH to Confirm NG/OG Gastric Placement in the NICU. Breakfast Symposium. National Association of Neonatal Nurses. Providence, RI. October 2017.

Protein Requirement in Critically Ill Children. Clinical Nutrition Week 2017, American Society for Parenteral and Enteral Nutrition. Orlando, FL. February 2017.

Delivery of nutrition support to the critically ill child. Society of Critical Care Medicine, 46th Critical Care Congress. Honolulu, HI. January 2017.

Challenges to measuring energy expenditure in pediatric critical care. Society of Critical Care Medicine, 44th Critical Care Congress. Phoenix, AZ. January 2015.

The journey to here. Youth Enrichment Institute, 42nd Annual National Black Nurses Association Meeting, University of Pennsylvania School of Nursing. Philadelphia, PA. August 2014.

Comparison of nurse versus ordering provider perceived barriers to anthropometry measurements in critically ill children. Sigma Theta Tau International 42nd Biennial

Convention. Indianapolis, IN. November 2013.

Regional

What has COVID-19 done to youth mental health: Challenges and Opportunities.

MEDX Talks, presented by White and Williams, LLP.

Liberty View at Independence Visitor Center. Philadelphia, PA. September 2022.

Assessing Nutrition Risk in Acute Illness. 20th Annual Advanced Practice Provider Conference.

Children's Hospital of Philadelphia. Philadelphia, PA, May 2019.

Multi-disciplinary approach to management of pediatric feeding tube placement/verification and medication considerations. Philadelphia Area Society for Parenteral and Enteral Nutrition Fall Conference. Philadelphia, PA, November 2015.

Nutrition support for the critically ill child. 12th Annual Regional Pediatric Nursing Conference, Nursing of Children Network. Wilmington, DE, October 2015.

Research 'and' or 'in' clinical practice: The power of the question. Invited Keynote. Lehigh Valley Health Network Annual Nursing Research Day. Allentown, PA. October 2014.

The road to here...~~The~~ My research journey. Lehigh Valley Health Network Annual Nursing Research Day. Allentown, PA. October 2014.

Clinical practice and research – Do they mix? Lehigh Valley Health Network Annual Nursing Research Day. Allentown, PA. October 2014.

The new opportunities for verification of enteral tube location (NOVEL) project. 11th Annual Regional Pediatric Nursing Conference, Nursing of Children Network. Wilmington, DE, October, 2014.

Nutrition in critical illness. 14th Annual Pediatric Nursing Conference, Touching the Future of Children. Penn State Hershey Children's Hospital. Harrisburg, PA. November 2013.

Local – University of Pennsylvania

Learning to PIVOT: Foundations of Frontline Nursing. Keynote: Sigma Theta Tau International, Xi Chapter 65th Induction Ceremony. December, 2022.

Power of Penn Faculty Series: Moderator, *Distracted Driving-Not Just About Teens & Cell Phones.* Presented by Dr. Catherine McDonald. March 2021.

Building a program of study: Intensive Care Unit – Pediatric Nutrition Team (ICU-PNuT).

The 5th Annual Penn Medicine Nursing Research Conference. Hospital of the University of Pennsylvania. December, 2016.

Local – Children’s Hospital of Philadelphia

Destiny, Walking In Your Journey. Edmund Devlin Award Celebration. Keynote. Department of Nursing, Children’s Hospital of Philadelphia. June 2023.

Designing your Destiny. CHOP Nursing High School Pathway Program, Commencement Keynote. Children’s Hospital of Philadelphia. May, 2023.

Nutrition in Pediatric Critical Illness. Leadership and Education for Advanced Practitioners: LEAP into Critical Care. Children’s Hospital of Philadelphia. November, 2018. Philadelphia, PA.

Discovery Day, My Science Story – Nurse Scientist. Outreach program from Children’s Hospital of Philadelphia to local high schools for science and research exposure to underrepresented groups. October 2018. Philadelphia, PA.

MEMBERSHIPS IN PROFESSIONAL & SCIENTIFIC SOCIETIES & OFFICES HELD

2022 – Present	ASPEN Board of Directors
2021	ASPEN Interdisciplinary Scoping Taskforce
2016 – Present	American Academy of Nursing Member Expert Panel, Child Adolescent Family
2016 – Present	American Nurses Association
2016 – Present	Pennsylvania Nurses Association
2012 – 2015	American Association of Nurse Practitioners
2011 – Present	American Society of Parenteral and Enteral Nutrition (ASPEN) Nurses Section 2012 – NOVEL Project, 2013 – COVID-19 Task Force on Nutrition Research, May 2020 – September 2020
2008 – Present	Sigma Theta Tau International Honor Society of Nursing
1994 – Present	Society of Critical Care Medicine (SCCM) Advanced Practice Providers, Pediatrics, 1995 – Pediatrics Section, 2016 – Chair, Current Concepts in Pediatrics, 2021 – 2023 Pediatrics Insulin Infusion Guidelines, 2019 –

1990 – Present American Association of Critical Care Nurses
(AACN)

SELECTED PROFESSIONAL ACTIVITIES

National Committee Work

2023 – Present Member, Guideline Update Writing Committee:
Guidelines For Nutritional Support of the
Pediatric Critically Ill Patient
Society of Critical Care Medicine

2022 – 2023 Chair, Current Concepts in Pediatric Critical Care
Committee
Society of Critical Care Medicine

2021 – 2022 Member, 2022 Conference Planning Committee
American Society for Parenteral and Enteral
Nutrition

2020 – 2022 Co-Chair, Current Concepts in Pediatric Critical
Care Committee
Society of Critical Care Medicine

2020 – 2020 Member, COVID-19 Nutrition Scoping Review
Taskforce
American Society for Parenteral and Enteral
Nutrition

2019 – Present Member, Child, Adolescent and Family – Expert
Panel
American Academy of Nursing

2019 – 2023 Member, Glycemic Management Guidelines
Workgroup
Society of Critical Care Medicine

2019 – 2020 Member, Current Concepts in Pediatric Critical
Care
Planning Committee
Society of Critical Care Medicine

2016 – 2021 Member, Workgroup Pediatric Organ Dysfunction
Information Update Mandate (PODIUM);
GI Dysfunction/Nutrition

2016 – Present	Member, Nurses Section American Society for Parenteral and Enteral Nutrition
2017 – 2018	Member, Best Practices Development Committee: Nasogastric Tube Safety in Pediatric Patients (Subcommittee for NOVEL Project) American Society for Parenteral and Enteral Nutrition
2015 – 2017	Member, Guideline Writing Committee: Guidelines For Nutritional Support of the Pediatric Critically Ill Patient Society of Critical Care Medicine
2013 – Present	Member, New Opportunities for Verification of Enteral Tube Location (NOVEL) Committee American Society for Parenteral and Enteral Nutrition
2000 – Present	Member, Pediatrics Section Society of Critical Care Medicine
1996 – Present	Member, Pediatric APN Committee Society of Critical Care Medicine

Editorial Activities

2022	Associate Editor, Journal of Child Healthcare
2005 – Present	Manuscript/Peer Reviewer <i>Open British Medical Journal</i> <i>Nutrition in Clinical Practice</i> <i>Australian Journal of Critical Care</i> <i>Nursing in Critical Care</i> <i>JPEN Journal for Enteral and Parenteral Nutrition</i>
2004 – 2006	Editorial Board <i>AACN Clinical Issues: Advanced Practice in Acute and Critical Care</i>

UNIVERSITY OF PENNSYLVANIA SERVICE ACTIVITIES

School of Nursing Committees

2021 – 2022	Member, Search Committee, Practice Professor
2021 – Present	Member, Personnel Committee
2021 – 2022	Chair, Search Committee Track Lead, Nurse Midwifery Program
2021 – 2022	Member, Social Justice Implementation PhD Workgroup
2020 – 2022	Chair, Undergraduate Curriculum Committee
2018 – 2019	Member, Undergraduate Course Directors
2017 – 2020	Member, Undergraduate Curriculum Committee
2017 – 2019	Member, PhD Admissions
2016 – 2017	Member, Search Committee, Ruth M. Colket Endowed Chair in Pediatric Nursing
2015 – 2020	Member, Practice Committee
2012 – 2021	Member, Faculty Awards Taskforce
2011 – 2012	Member, Pediatric Content Across the New Nursing Curriculum

University Committees

2021 – Present	Penn Nutrition Science and Medicine Center (PenNSAM), Seminar Program & Research in Progress Planning Committee
2020 – Present	Penn Nutrition Science and Medicine Center (PenNSAM), Steering Committee https://www.med.upenn.edu/pennsam/leadership-and-staff.html
2019 – 2021	Fraternity & Sorority Life
2018 – 2019	University Council Steering Committee
2017 – 2019	Senate Executive Committee

2013 – 2018 University Faculty Senate Committee on Students and Educational Policy

2013 – 2015 Penn Equity & Access
Summer Mentorship Plus (SMPLUS) Program

CLINICAL AGENCY ACTIVITIES

Children’s Hospital of Philadelphia

2021 – Present Member, Research Core, Center for Health Equity

2020 – Present Member, Critical Care Diversity, Equity, and Inclusivity Committee

2020 – Present Member, Health Equity Quality Improvement Steering Committee
Center for Health Equity

2020 – Present Member, Nursing and Clinical Care Steering Diversity Committee

2019 – Present Member, NG Tube Steering Committee

2018 – Present Member, Nursing PhD Community

2013 – 2014 Member, Nursing Policy Standard & Practice Nasogastric/Orogastric Feeding Tube Placement Committee

2012 – Present Member, Clinical Nutrition Committee

2011 – 2013 Member, PICU Intranet Website Task Force

2009 – Present Founder, Co-Chair, ICU-Pediatric Nutrition Team (PNuT)

2008 – 2011 Member, APN, Professional Practice Model – Research Council

2006 – 2016 Member, Critical Care Research Committee

Texas Children’s Hospital

2003 – 2004 Member, Advanced Practice Nursing Committee

University of Maryland Medical System

2001 – 2002	Member, <i>Breathmobile</i> ® Steering Committee
1999 – 2003	Member, Hospital-Wide Advanced Practice Nursing

DOCTORAL DISSERTATION COMMITTEES AND POST DOCS MENTORED

PhD Students – University of Pennsylvania

2022 – Present	Member, Dissertation Committee: Ashley J. Cooper
2021	Member, Qualifying Exam Committee: Ashley J Cooper
2018	Member, Qualifying Exam Committee: Jesse Wool
2016 – 2019	Chair, Dissertation Committee: Samuel Matula
2015	Reader, Proposal Defense: Ruth Lebet
2014	Reader, Dissertation Defense: Kim Mooney-Doyle
2014	Reader, Candidacy Exam: Kaitlin Best
2013	Reader, Dissertation Defense: Sunny Holloway

PhD Students – Other

2020 – 2022	Member, Dissertation Committee: Marin N. Jacobwitz Villanova University, Philadelphia, PA
2019 – 2021	Member, Dissertation Committee: Andrea Harris Motenko Brandeis University, Boston, MA
2019 – 2020	Reader, Dissertation Exam: Azizah Nohd Ali University of Queensland, Brisbane, Australia

OTHER SERVICE ACTIVITIES

2022	Mentor, CHOP RISES II Summer Program
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Robert's Research Institute
Children's Hospital of Philadelphia

2012 – 2017

Mentor, Macy's Undergraduate Leadership Fellows
Program
Drexel University, College of Health Sciences
Director: Roberta Waite, EdD, APRN
Professor, School of Nursing

2015 – Present

Member, West Oak Lane Charter School
Executive Advisory Board
CEO: Deberra Lee, EdD

2012 – Present

Member, Beacon of Hope, Primary School
United States Advisory Board
Sekenani, Kenya
Director: Jennifer Myles, RN, MS
<http://www.beaconofhopeworld.org/>