

Beth A. Coleman

CLINICAL EXPERT | LEADERSHIP | EDUCATOR | SUB-INVESTIGATOR

Experienced healthcare professional. Decade of experience in clinical pulmonary hypertension. Established and respected clinical leader in the field. National and international lecturer. Clinical leadership for nationally recognized clinical team and program. Responsible for training and development of nursing team. Extensive exposure to the research process. Participation and oversight of clinical research studies. Follow national guidelines for evaluation and diagnosis of pulmonary hypertension. Proficient in pulmonary arterial hypertension drug acquisition, initiation, and dosing. Experienced in management of technical aspects of invasive prostacyclin therapies. Decisive and direct, yet flexible in responding to the constantly changing demands of the clinical environment. Recognized for ability to actively listen and positively engage others in providing best care for patients and families. Comfortable with handling large workloads in fast-paced settings. Efficient in prioritizing tasks using nursing judgment and time management. Independent and self-motivated. Strong communicator with interpersonal skills to effectively advocate and educate.

PROFESSIONAL EXPERIENCE

Children's Hospital Colorado, University of Colorado School of Medicine, Denver, Colorado
March 2009 - Present

Summary: A nonprofit 553-bed hospital system and the only Level 1 Pediatric Trauma Center in Colorado. Children's Hospital Colorado Heart Institute is recognized as an international leader in pediatric cardiac care and it is one of only eight stand-alone pediatric research centers in the nation. The Heart Institute is the only full-service, pediatric cardiac care center in the seven-state region.

Pediatric Nurse Practitioner, Division of Pediatric Cardiology

Internationally recognized national referral center for the treatment of pulmonary hypertension for patients from infancy through young adulthood. One of the largest pediatric programs, our focus on early detection and treatment encourages improved quality of life. Established in 1993 the Children's Hospital Colorado Pulmonary Hypertension Program is one of the first dedicated programs of its kind. Program director, D. Dunbar Ivy M.D. is a recognized leader in the field setting standards for research, education, diagnosis, and treatment. Our team has helped write national guidelines for the diagnosis and treatment of PH in children and participates in many clinical trials for PH medications.

Clinical Experience:

- Participate in outpatient clinics twice weekly, performing history and physical exams, assessments, and formulate plan of care
- Inpatient patient rounding and care 1-2 day each week.
- Collaborate with internal and external subspecialist providers.
- Evening and Weekend call responsibilities 1 week per month.
- Coordinate intake and initial work-up of newly referred pulmonary hypertension patients
- Review and summarize outside patient records, determine needed evaluation and testing, schedule initial patient visit.
- Participate in patient evaluation and diagnosis in the catheterization lab
- Sub-investigator on multiple clinical trials. Familiar and proficient with the research process.
- Obtain research registry lab work and coordinate research study testing (cMRI echocardiogram)
- Case management, nurse triage, liaison with local and out-of-state physicians and hospitals.

- Provider oversight for three RN nurse coordinators on the management of >200 patients.
- Prescribe, process, and initiate PH specific oral, intravenous, subcutaneous, and inhaled therapies.

Team Leadership:

- Education, teaching, and mentorship for three RN coordinators
- Disseminate new evidence-based literature
- Resource to inpatient staff nurses, residents, fellows, and physicians in the cardiac intensive care and step-down units regarding pathophysiology of pulmonary hypertension, pharmacodynamics of vasodilator medications, and technical aspects of pulmonary hypertension medication delivery, administration, and management.
- Mentor nurse practitioners from other pulmonary hypertension centers via email, phone, and through presentation and dialogue at medical conferences.
- Mentoring of nurse practitioners from other pulmonary hypertension centers and coordination of site visits to our center. Mentoring of cardiology fellows during month-long rotation in PH.
- Collaboration with physicians from other centers and coordination of visits to our center.
- Creation of clinical protocols and guidelines.
- Creation with ongoing annual review of computerized-based charting (EPIC) drug and procedure order sets.

Children's Medical Center, University of Texas Southwestern School of Medicine, Dallas, Texas

March 2002 – March 2009

Summary: A private, not-for-profit 595-bed hospital system and the only academic healthcare system in Dallas-Fort Worth dedicated solely to the comprehensive care of children from birth to age 18. Children's Medical Center Dallas is the fifth largest pediatric hospital in the country. It offers expertise in more than 50 pediatric specialties and the highest level of trauma care in North Texas as a Level 1 Trauma Center.

Pediatric Nurse Practitioner, Division of Pediatric Pulmonary Medicine (May 2006 – March 2009)

General pulmonary care of patients with asthma, chronic cough, sinusitis, airway, and breathing issues. Provided specialized care for patients in the Pulmonary Hypertension Program established in 2005 by Dr. Felix Shardonofsky.

Pediatric Nurse Practitioner, Division of Perioperative Services, Pre-Surgical Assessment Clinic (May 2004 – April 2006)

Performed pre-operative history and physical exams to evaluate health of patient undergoing surgical procedures. Collaborated with multiple disciplines to facilitate successful management of patients during the perioperative period.

Clinical Educator, Division of Nursing Services, Inpatient Neurosurgery and Craniofacial Surgery (March 2002 – April 2004)

Responsible for training and integration of craniofacial service to neurosurgical patient population. Led program development and expansion from 8-bed to 22-bed neurosurgical floor. Coordinated training and staff development to open neurosurgical floor.

COMMUNITY LEADERSHIP AND VOLUNTEERING

PH in the Park - Formerly Colorado Pulmonary Hypertension Run for PHun (2010 – Present): Co-chair for 5 years of the annual 5K Run-Walk, lecture, silent auction, and education expo event. The eighth annual event was held on August 27, 2017 with over 600 attendees and net fundraising over eight years of event of \$161,000 to benefit pulmonary hypertension research and education.

Mission Volunteer (2003 - 2013): Provided humanitarian and mission-relief services in third-world countries; assisting in locations such as Guatemala (2003, 2004), Honduras (2005), and Poland/N. Ireland (2013).

ACADEMIC PREPARATION

University of Cincinnati, Cincinnati, Ohio

Masters of Science in Nursing (M.S.N.) March 2000; Summa cum Laude Graduate
Registered Nurse, initial license July 1994
Certified Pediatric Nurse Practitioner, initial certification June 2000
Basic Life Support and Advanced Life Support certified

Indiana University of Pennsylvania, Indiana, PA

Bachelor of Science in Nursing May 1994; Summa cum Laude Graduate
Bachelor of Science in Natural Sciences August 1992; Summa cum Laude Graduate

LECTURES

LOCAL

February 2011 – **13th Cardiac Vail Symposium** – Pulmonary Hypertension Update
January 2012 – **Eliza Fernie Critical Care Nursing Conference** – New and Emerging Treatment Options for treatment of Acute Pulmonary Hypertension
March 2012 – Cardiac Progressive Care Unit, **Staff Education In-service** – Pulmonary Hypertension Update
May 2012 – Echocardiography Department Meeting, **Staff Education In-service** – Pulmonary Hypertension Update

NATIONAL

September 2011 – **PH Professional Network Symposium** – Asking the Right Questions: The Lost Art of Patient Interviewing
June 2013 – **6th International Conference Neonatal and Childhood Pulmonary Vascular Disease** – Successful Transition of the Late Adolescent PH Patient: US vs. Canada/Europe Transition Programs
March 2014 – **7th International Conference Neonatal and Childhood Pulmonary Vascular Disease** – PH Emergencies
June 2014 – **PHA 2014 International Pulmonary Hypertension Conference and Scientific Sessions** – Ask a Pediatrician – For Parents of 12-18 Year-Old Patient
March 2015 – **8th International Conference Neonatal and Childhood Pulmonary Vascular Disease** – Oral Treprostinil in Pediatrics: Clinical Experience & Clinical Trial
November 2015 – **University of Central Florida Nursing Alumni Meeting Simple Speaking CME Lecture** – Post-Conference Update: 5th World Symposium on Pulmonary Hypertension.
February 2016 – **Greater Long Beach Orange County Chapter of AACN Simple Speaking CME Lecture** – Nursing Management of PAH
March 2016 – **9th International Conference Neonatal and Childhood Pulmonary Vascular Disease** – Practical Aspects of Pulmonary Hypertension Therapies
June 2016 – **Greater Long Beach Orange County Chapter of AACN Simple Speaking CME Lecture** – Congenital Heart Disease Associated Pulmonary Arterial Hypertension
June 2016 – **PHA International Pulmonary Hypertension Conference and Scientific Sessions** – Ask a Pediatrician – For Parents of 12-18 Year-Old Patient
July 2016 – **Ohio State University Wexner Medical Center PH and ACHD Nursing Simple Speaking CME Lecture** – Congenital Heart Disease Associated Pulmonary Arterial Hypertension
September 2016 – **University of Central Florida Nursing Alumni** – Pulmonary Arterial Hypertension: The Diagnosis You Don't Want to Miss
October 2016 – Children's Hospital Colorado, Heart Institute PHASE Class Lecture - Care and Treatment of Pediatric Patients with Pulmonary Hypertension
February 2017 – **North Central Florida Advanced Practice Nurses Simple Speaking CME Lecture** – Practical Management of PAH in 2016: A Case-Based Approach
June 2017 – **Colorado Society Advanced Practice Nurses Simple Speaking CME Lecture** - Pulmonary Hypertension for Urgent Care/Emergency Providers
October 2018 – **Clemson University School of Nursing - Simple Speaking CME Lecture** - Pediatric Pulmonary Vascular Disease
February 2019 – **Clemson University School of Nursing - Simple Speaking CME Lecture** - Nursing Management of PAH

INTERNATIONAL

October 2013 – **1st European Conference on Neonatal and Pediatric Pulmonary Vascular Disease** – Groningen, The Netherlands – Successful Transition of the Late Adolescent PH Patient: US vs. Canada/Europe Transition Programs

October 2016

- Sevrenc Hospital, Seoul, Korea – Communication with the PAH Patient – October 13, 2016
- Asan Medical Center, Seoul, Korea – Communication with the PAH Patient – October 13, 2016
- Seoul National University Hospital – Communication with the PAH Patient – October 14, 2016
- **PAH Nurse Forum, Taipei, Taiwan**
 - Role and System of the PAH Nurse in the USA – October 15, 2016
 - Communication with the PAH Patient – October 15, 2016

PUBLICATIONS & ABSTRACTS

Coleman, B et al. PHPH: Transitioning the Pediatric Pulmonary Hypertension Patient. *Advances in Pulmonary Hypertension*. 2013: 11:4:162-164

Coleman, B. McCollister, D. (Interview) Colorado Run for PHun Celebrates Fourth Year. *Pathlight, A Newsletter of the Pulmonary Hypertension Association* Winter 2013: 22:1: 36

Coleman, B. (Panel) PHPN: Meeting the Challenge of Hospitalized PAH Patients Receiving IV Prostacyclin's. *Advances in Pulmonary Hypertension*. 2015: 13:4:208-209

Coleman, B et al. Initial Clinical Experience with Oral Treprostinil (UT-15C) in Pediatric Pulmonary Hypertension at a Single Center. Abstract and Poster at 8th International Conference Neonatal and Childhood Pulmonary Vascular Disease, March 26-28. 2015, UCSF

OTHER RELEVANT INFORMATION

- **Technical Proficiencies:** Proficient in dosing and management of 12 of the 13 currently approved medications for treatment of pulmonary arterial hypertension. Including technical management of intravenous and SQ infusion pumps and infusion catheters. Sildenafil, Tadalafil, Bosentan, Ambrisentan, Macitentan, Iloprost, Epoprostenol IV, Treprostinil SQ/IV/*Inhaled* (Tyvaso)/*Oral*(Orenitram).
- **Understanding of the clinical research process:** Sub-Investigator for FUTURE 3 – NCT01338415, Tadalafil – NCT01824290, Ambrisentan – NCT01332331, Orenitram – NCT02276872 Clinical Trials. Participate in national and international registries REVEAL, PEACH, PPHNET, TOPP2
- **Ongoing Professional Training and Development:** Annual attendance at the International Conference Neonatal and Childhood Pulmonary Vascular Disease. Biennial attendance at the American Thoracic Society International Conference. Attendance as indicated at PH Professional Network Symposium
- **Leadership:** Nursing Workshop co-chair and organizer, International Conference Neonatal and Childhood Pulmonary Vascular Disease 2014, 2016.
- **Computer Skills:** Proficient in use of Outlook, Microsoft Word, PowerPoint, and Excel

REFERENCES

Available on request.