Freeman Miller, MD, Orthopedic Surgery

Dr. Miller is a pediatric orthopedist with special expertise in neuro-orthopedics. His work in the field of cerebral palsy (CP) has impacted thousands of lives. He and his team manage 1,300 CP patients worldwide, including approximately 500 children and teens annually at duPont Hospital for Children. Also at duPont Hospital for Children, Dr. Miller is medical director for the only pediatric gait and motion analysis laboratory in the Philadelphia and Delaware Valley area. This program has improved identification and correction of gait problems, minimizing the need for surgical intervention. Dr. Miller has been selected to the Best Doctors in America list multiple years, he won a Patients’ Choice Award in 2012, and he was named duPont Hospital for Children Physician of the Year in 2007. He is an honorary member of the Royal College of Surgeons of Scotland, who awarded him for “Lifetime Achievement in the Treatment of Cerebral Palsy.” Dr. Miller’s passion for training the pediatric specialists of the future was recognized in 2013 with a Mentorship Award from the American Academy for Cerebral Palsy and Developmental Medicine (AACPDM). He is an avid researcher who has published more than 150 peer-reviewed papers and three medical textbooks on CP. Dr. Miller earned his medical degree at the University of Colorado School of Medicine. He completed a residency in orthopedics at the University of Virginia and a fellowship in pediatric orthopedics at the Hospital for Sick Children in Toronto, Canada. He is certified by the American Board of Orthopaedic Surgery.

Stephen Dunn, MD, Department Chair, Division of Pediatric Solid Organ Transplantation

Dr. Dunn oversees one of the largest pediatric transplant programs in the United States at duPont Hospital for Children, where his patients include children from across the country and around the world. The program is responsible for more than 200 kidney and liver transplants, with an outstanding survival record for both. Transplant patients receive expert care from a multidisciplinary team whose focus is their recovery and physical and emotional well-being. Dr. Dunn performed the first split liver transplant in the Philadelphia region in 1993 and the first living donor liver transplant there in 1995. He brought pediatric solid organ transplantation to countries such as Bolivia, India, Kenya and Liberia. He has received numerous honors, including Surgeon of the Year by the National Kidney Foundation of Philadelphia; a Distinguished Service award by the Medical Committee of Santa Cruz, Bolivia, where he performed the country’s first liver transplant; Honorary Fellow of St. John’s Medical School in Bangalore, India; and the Best Doctors in America list multiple years. Dr. Dunn’s medical degree is from Indiana University School of Medicine, where he also completed a residency in surgery. His fellowship in pediatric surgery was at St. Christopher’s Hospital for Children in Philadelphia. Dr. Dunn has subspecialty certifications in surgical critical care and pediatric surgery, both from the American Board of Surgery.
William Mackenzie, MD, Chairman, Department of Orthopedics

An international authority on dwarfism (skeletal dysplasia), Dr. Mackenzie leads a duPont Hospital for Children program that has treated more than 700 patients from nearly every state in the U.S. and more than a dozen countries abroad. His program offers advanced care of the spine, arms and legs; cervical spine (neck) stabilization, and minimally invasive spinal procedures that help protect a child’s growth. In some cases, care continues to age 35. Dr. Mackenzie has made the Best Doctors in America list multiple years and received many other top doctor honors as well. He is chairman of the Medical Advisory Board for Little People of America, medical director of the Dwarf Athletic Association of America, a board member of the Pediatric Orthopaedic Society of North America, and past president of the Limb Lengthening and Reconstruction Society. He has authored more than 16 book chapters and 50 publications in peer-reviewed journals. Dr. Mackenzie earned his medical degree from the University of British Columbia in Canada. His residency in orthopedics was also at the University of British Columbia. He completed his fellowship in pediatric orthopedics at duPont Hospital for Children. Dr. Mackenzie is certified by the American Board of Orthopaedic Surgery.

Kirk W. Reichard, Clinical Director, Division of Pediatric Surgery

Dr. Reichard is a pediatric surgeon whose expertise includes bariatric surgery. As surgical director of the bariatric surgery program at duPont Hospital for Children, he oversees one of four centers in the United States authorized for an FDA-approved trial of adjustable gastric bands (AGB) in adolescents. This successful trial transitioned to sleeve gastrectomy (SG) procedures. Of the 71 procedures performed so far at duPont Hospital for Children, 60 AGB patients experienced an average 30 percent excess weight loss at one year and 35 percent at 2 years. Eleven SG patients recorded an average 45 percent weight loss at six months and 63 percent at one year. No significant complications occurred with either surgery. One important differentiator for the duPont Hospital for Children bariatric program is its emphasis on extensive evaluation by a weight management team before a patient is referred for surgery. Another is a multidisciplinary approach to care. In addition to Dr. Reichard, the team includes an adolescent psychologist, pediatric dietitian and exercise physiologist. Dr. Reichard is chair of the American Society for Metabolic and Bariatric Surgery’s Pediatric Committee. He also serves on the Committee for Childhood Obesity of the American Pediatric Surgical Association. He was named to Best Doctors in America in 2013 and 2014. His medical degree is from the University of Pennsylvania School of Medicine. He completed a combined internship and residency in surgery at the University of Illinois College of Medicine at Chicago, and a fellowship in pediatric surgery at St. Christopher’s Hospital for Children in Toronto, Canada.

Christian Pizarro, MD, Division Chief, Pediatric Cardiothoracic Surgery

Dr. Christian Pizarro is chief of cardiothoracic surgery and director of the cardiac transplantation program at duPont Hospital for Children. His areas of expertise include heart surgery, congenital heart defects, heart transplants, cardiology (heart care), neonatal surgery, tracheal reconstruction and many other specialty heart, chest and lungs surgical procedures. Dr. Pizarro is past director of the cardiothoracic transplant program at DIPRECA Hospital in Santiago, Chile. He serves on the Surgeons of Hope Foundation Board of Directors, the American Heart Association CV Surgery Council, the Society of Thoracic Surgeons Congenital Heart Surgery Database Task Force, the Society for Cardiothoracic Surgery in Great Britain and Ireland, the International Society of Heart and Lung Transplantation, and the European Association for Cardiothoracic Surgery. He is also an international lecturer, researcher, teacher and author of 60 articles in peer-reviewed journals. Dr. Pizarro’s medical degree is from the University of Chile. He completed a general surgery residency at Pennsylvania Hospital in Philadelphia; a cardiothoracic surgery residency at the Hospital of the University of Pennsylvania, Philadelphia; and a clinical and research fellowship in pediatric cardiothoracic surgery at Children’s Hospital of Philadelphia. He also served as senior surgical registrar, cardiothoracic unit at Great Ormond Street Hospital for Sick Children in London, UK. Dr. Pizarro is fluent in English, Spanish and French.
Nemours Children’s Hospital (NCH)

Cartland Burns, MD, Chief of Surgery

Dr. Burns joined the NCH team from Children’s Hospital of Pittsburgh of UPMC, where he was clinical director of general and thoracic surgery, surgical director of the Intestinal Care and Rehabilitation Center and physician champion for patient- and family-centered care. He has vast experience in laparoscopy, thoracoscopy and robotic surgery. In an era when intestinal disease is on the rise in children, Dr. Burns is building an intestinal failure program for the Southeast that will introduce progressive new multimodal treatments to dramatically improve quality of life and life expectancy, reducing the complications associated with current standard therapies. One of these is STEP, or Serial Transverse Enteroplasty, a surgical technique for bowel lengthening. The goal of STEP, in which the surgeon elongates the small intestine, is to enable IV-fed patients to optimize their own intestine’s ability to digest and absorb nutrients, eventually weaning from TPN and avoiding the need for transplant. Dr. Burns received undergraduate and medical degrees from the University of Missouri-Kansas City; completed residencies at Creighton University and the University of Southern California; and completed fellowships at The Johns Hopkins Hospital, Baltimore, M.D. and Children’s Hospital Los Angeles.

Craig Johnson, DO, Director, Pediatric Interventional Radiology

Dr. Johnson developed his interest in minimally invasive diagnosis and treatment of pediatric diseases while at Akron Children’s Hospital during his residency training under his mentor Dr. Marilyn Goske. He decided to pursue pediatric diagnostic interventional radiology training at Harvard Medical School-Boston Children’s Hospital, where he developed a passion for vascular anomalies and musculoskeletal intervention as well as associated imaging under the guidance of Drs. George Taylor, Michael Callahan, Ahmad Alomari, Rick Robertson, Horacio Padua, Darren Orbach and Gulraiz Chaudry among many others. He most recently served as director of interventional radiology at Children’s Hospital of Wisconsin, where he built the fifth largest pediatric interventional practice by volume in the nation. He worked closely with the vascular anomaly and orthopedic oncology teams. Dr. Johnson also started an active interventional/image-guided therapy clinic and helped develop a lymphatic malformation research lab. In 2012, he received the Magna Cum Laude award from the American Society of Neuroradiology for expertise in head/neck vascular malformations. He is the first dual fellowship trained pediatric diagnostic and interventional radiologist in Florida.
Robert Stanton, MD, Orthopedic Surgeon

Dr. Robert Stanton is an expert in general pediatric orthopedics, including fracture management, as well as the specialized areas of scoliosis management and benign and malignant musculoskeletal tumors. He is an enthusiastic educator and researcher with over 40 published articles and textbook chapters. He has lectured extensively both nationally and internationally and holds teaching positions at the University of South Alabama in Mobile, Florida State University, University of Florida, University of Central Florida, and the Uniformed Services University of the Health Sciences in Bethesda, Maryland. Since joining Nemours in 1987, Dr. Stanton has served as an attending orthopedic surgeon at Nemours/Alfred I. duPont Hospital for Children in Wilmington, Del., and surgeon in chief and chief of pediatric orthopedics at Nemours Children's Clinic in Pensacola, Fl. He is a retired colonel in the U.S. Army, with 38 years of active, reserve, and National Guard service. Dr. Stanton earned his medical degree at the University of Florida; completed internship and residency in orthopedic surgery at Brooke Army Medical Center at Ft. Sam Houston, Texas; and was a fellow in pediatric orthopedics at the Scottish Rite Children's Medical Center in Atlanta.

Christopher Iobst, MD, Orthopedic Surgeon

Dr. Christopher Iobst is a pediatric orthopedist, researcher and author who is nationally and internationally known for his cutting-edge work in limb deformity correction and limb lengthening techniques. Since January 2014, he has treated children with congenital limb deformities and complex fractures at Nemours Children's Hospital in Orlando. Dr. Iobst has presented his clinical and research work at medical meetings worldwide and at national conferences on external fixation (a method of immobilizing fractures with external devices while bones heal) and limb deformity therapies, including limb lengthening. He has written a number of articles and book chapters and is an editor for the textbook, Limb Lengthening and Reconstruction Surgery Case Atlas, and a board member of the Limb Lengthening and Reconstruction Society. He was awarded the St. Giles Young Investigator Award by the Pediatric Orthopedic Society of North America. Dr. Iobst earned his bachelor's degree at Duke University in Durham, N.C., and his medical degree at Emory University School of Medicine in Atlanta. He completed a residency in orthopedic surgery at the Medical University of South Carolina in Charleston, followed by a fellowship in pediatric orthopedics in the Harvard Combined Orthopaedic Surgery program at Boston Children's Hospital. He is certified by the American Board of Orthopaedic Surgery.