

# orthopedics at Dayton Children's

## Dayton Children's orthopedics division 2021 highlights



2021 was a year like no other. While the country continued to grapple with the impact of COVID-19, the Dayton Children's orthopedics team saw a record number of kids seeking care for everything from simple fractures to the most complicated congenital anomalies and deformities. Despite the challenges of the pandemic, the team continued to pioneer minimally invasive care for scoliosis patients and even launched a new program designed to treat the unique needs of female athletes.

### 2021 by the numbers

**33,624**

total patients

**1,339**

total surgery cases

**28**

ApiFix surgeries performed

**58**

ACL reconstructions

**53**

patients that utilized our state-of-the-art Gait Lab

**1**

Launched The Center for the Female Athlete\*

\*The Center for the Female Athlete is a multidisciplinary program to treat the physical, emotional and nutritional needs of the female athlete.

## Dayton Children's has your back



The orthopedics team at Dayton Children's offers scoliosis and spine patients the latest in innovation and treatment for their condition, including non-surgical and minimally invasive options. Our providers are at the forefront of cutting-edge techniques, including ApiFix and BandLoc spinal surgery. In fact, medical device companies and engineers gather input from Michael Albert, MD, chief, orthopedics division at Dayton Children's, on new equipment, devices and technologies. His designs to provide better care for scoliosis patients have been incorporated into many of the systems in use today across the country.

Dayton Children's performs the majority of pediatric spine surgeries done in our region and is the reason families outside of our service area seek care from our spine experts.

### Our team is comprised of:

#### spine nurse navigator

Our spine nurse navigator serves as an educator and liaison throughout a patient's entire spine surgery journey.

#### spine surgeons

Our surgeons have been hand selected to help pioneer ApiFix and other minimally invasive surgical options for scoliosis patients.

#### pediatric anesthesiologists

Kids are not "little adults" and deserve care designed for them. When a child has surgery at Dayton Children's, they're being treated by a team of healthcare professionals that are specifically trained to care for children. This is especially important when a child requires anesthesia for their surgery or procedure.

#### physical and ortho rehab therapists

Dayton Children's is the first hospital in the country to receive training and adapt Scolio-Pilates® for scoliosis patients. Our team of orthopedic rehabilitation therapists have received training in this approach, and two our physical therapists have received advanced training and are currently involved in scoliosis research projects.

## world-class care for clubfeet

The orthopedics team at Dayton Children's treats some patients before they're even born through prenatal visits.

That's where Megan Olaore discovered at her 20-week anatomy scan that her daughter, Damilola, had clubfoot on her right foot.

While pregnant, she met with Melissa Martinek, DO, PhD, pediatric orthopedic surgeon at Dayton Children's to discuss treatment options and her baby's outlook.

Damilola's treatment for her clubfoot began just two weeks following birth. Her right foot was put into a cast to gently move it into the correct positioning. She went through seven casts, which were kept on approximately one week at a time, by the time she was 2 and a half months old. Following casting, Lola began using "boots and bar," which act as brace to help keep the foot in position.

"I am privileged to get to participate in the care of children," said Dr. Martinek. "Clubfeet and limb deformity patients are a particular interest of mine, and I enjoy being able to see those patients through the different stages of life from infants to young adults and watch them achieve their goals."

[Learn more](#)

