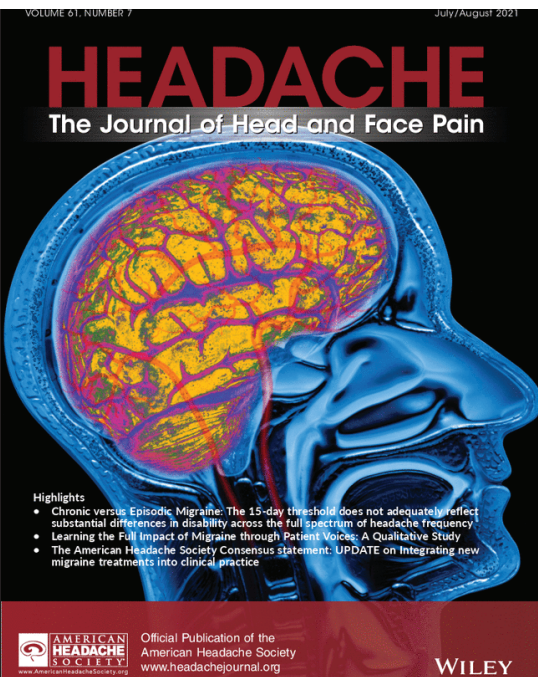


pediatric neurology



research featured in national journal



Gogi Kumar, MD

In the summer of 2021, Gogi Kumar, MD, chief of neurology at Dayton Children's Hospital, along with her research team, published the "Efficacy

of a pediatric headache infusion center: A single-center experience" in *Headache: The Journal of Head and Face Pain*. Since publication, the research article has received attention from neurologists across the country inquiring about the headache infusion center at Dayton Children's.

The article evaluates the efficacy of a pediatric headache infusion center (HIC) in alleviating the symptoms and preventing future visits to the emergency department (ED).

During the study, a total of 297 HIC visits were analyzed from 201 patients. The HIC was effective in controlling symptoms with a significant reduction in pain score. Only 8.4% patients came to the ED within two weeks of their HIC visit, and only 6.7% were admitted as inpatients within two weeks of their HIC visit. The number of ED visits was significantly reduced in the year after the HIC visit compared with the year prior.

The pediatric HIC proved to be effective in alleviating the headache symptoms and preventing ED visits. To read more about the study and to discover why these centers should be considered a standard of care at children's hospitals, click [here](#).

about us

Dayton
Ohio



1967
founded

181
beds



88,020
visits each
year to our ED
Level I pediatric
trauma center

highlighted programs

- Level 4 epilepsy center
- First seizure clinic
- Tourette's clinic
- Movement disorder clinic
- Idiopathic intracranial hypertension clinic
- Headache clinic
- Dysautonomia clinic
- Psychogenic non-epileptic seizure clinic
- Intractable epilepsy clinic

ongoing research studies



The division of neurology at Dayton Children's Hospital is presently participating in a special interest group investigating

health equity in the pediatric epilepsy population under the Pediatric Epilepsy Research Consortium and is conducting research studies focused on care redesign to optimize clinical outcomes for certain patient populations like children with psychogenic non-epileptic seizures.

from patient to published author

At 6-years-old Jordynn, began having seizures in her sleep and was diagnosed with Benign Rolandic Epilepsy. This is one of the most common forms of childhood epilepsy and most children outgrow the condition by puberty. Because of the frequency of Jordynn's seizures, Ajay Goenka, MD, pediatric neurologist and epilepsy specialist at Dayton Children's Hospital, started her on medication that she would continue to take until she was seizure-free for two years.

Fast forward two years and Jordynn is not letting her epilepsy diagnosis slow her down. She models and performs in plays, proving that her diagnosis doesn't define her. The whole family was thrilled that Jordynn made it to the two-year mark without any seizures.



In celebration, Jordynn took it upon herself to write a story about her journey with epilepsy. She illustrated it with her Nana to turn her story into a book. Jordynn became a published author at the age of 9 and for her tenth birthday she had a book release party for "Unstoppable Me."

Not only did Jordynn write a book to inspire and encourage others, but she wanted to give back to those who have helped her throughout her own journey. Part of the proceeds from "Unstoppable Me" benefit Dayton Children's Hospital and Epilepsy Kids Crew.

Read more about Jordynn's story at: childrensdayton.org/unstoppableme

multidisciplinary care for patients with neuromuscular disorders

The Dayton Children's neuromuscular clinic provides a multidisciplinary team of specialists with expertise in chronic conditions affecting the muscles and nerves. Led by pediatric neurologist, Irma Reyes, DO, pediatric cardiologist, Christopher Bugnitz, MD, and pediatric pulmonologist, Mark Minor, MD, our team of specialists provide care to their patients at the same time, in the same place.

Each neuromuscular clinic appointment is scheduled for three and a half hours. During these appointments, patients get to see cardiology, pulmonary and neurology, as well as physical therapy, occupational therapy and speech language pathology. Testing such as pulmonary function tests, spirometry readings, echocardiograms and EKGs are also included during the appointment.

"By creating a multidisciplinary clinic where patients can see multiple specialties and therapies all in one appointment makes visits to Dayton Children's easier and less stressful for these families. And most importantly, we can improve the quality of care they are receiving," says Dr. Reyes.

Since launching the clinic in May 2021, our team has provided multidisciplinary care for patients with more common neuromuscular disorders such as Duchenne muscular dystrophy and myotonic dystrophy as well as spinal muscular atrophy and Charcot-Marie-Tooth disease, to name a few.



Irma Reyes, DO



Christopher Bugnitz, MD



Mark Minor, MD

