

pediatric neurology



summer 2021

epilepsy monitoring unit provides comprehensive care

Dayton Children's division of neurology opened a new epilepsy monitoring unit (EMU) in the new patient tower to provide comprehensive epilepsy care in December 2017.

At present, the EMU has eight rooms equipped with state of the art video EEG equipment. The unit has 24/7 coverage by trained EEG technicians who monitor the patients for seizures and coordinate care to provide safe and timely care under the expertise of our neurology physicians who have received advanced training and certification in epilepsy management.

Since opening the unit, services have grown exponentially. From July 1, 2020 to June 30, 2021, we performed 1,213 days of video EEG monitoring. This is double the volumes performed in 2018.

headache infusion center

A headache infusion center (HIC) is currently offered for established patients of Dayton Children's pediatric neurology. The goal of the infusion center is to provide timely evaluation and treatment of patients with acute migraine and avoid using the ED. Since inception in June 2017, we have seen 565 visits to the infusion center.

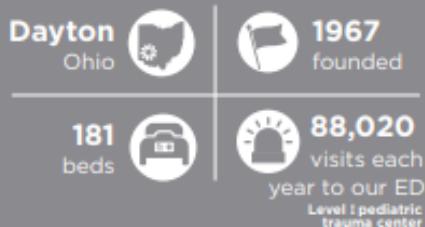
A retrospective analysis was performed of patients who were treated in the center between 2017 and 2020 and the treatment in the HIC was found to be effective in controlling the symptoms with a significant reduction in the pain score of the patients. Only 8.4% of patients came to the ED within two weeks of the infusion center visit and only 6.7% were admitted to the inpatient unit.

As published in Headache, the official journal of the American Headache Society, the number of visits to the emergency department by headache patients were also reduced after establishing the HIC.

For more information about the headache infusion center please call 937-641-3080 or email macdonalds@childrensdayton.org.



about us



highlighted programs

- 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