

# CHOP Research Institute Summer Scholars Program



**Christina Szperka, M.D.**

Neurology

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**Clinical Research:** Patient-oriented research examining the safety and effectiveness of diagnostics, medicines or medical devices (may involve human subjects or data collected from human subjects)

## Pediatric Headaches

My clinical and research interests both focus on pediatric headache. I am interested in patient and headache characteristics that predict headache frequency and duration as well as response to therapy.

- **Potential summer research project:**
  - (1) Analyze how much improvement is needed to make children report that headache pain is “better”;
  - (2) Using chart review, validate the diagnoses “headache” and “migraine” for patients seen in the ED and inpatient at CHOP. This will help with future analysis of multi-hospital databases;
  - (3) Study benefit and side effects of peripheral nerve blocks for headache.
- **Students will learn the following techniques:**
  - (1) Basic statistical analysis;
  - (2) Develop data collection forms in the RedCap database system;
  - (3) Chart review and questionnaire development.

Please click [here](#) to read more about Dr. Szperka