Clinical Guideline
Migraine

Pediatric Emergency Medicine & Child Neurology

Inclusion criteria:
• Previously dx with migraine by Pediatric Neurology and presenting with typical HA
  OR (all of the following)
  • Age 6 or more
  • Frontal in nature (usually bilateral, maybe unilateral or frontotemporal)
  • Associated with photophobia, phonophobia, dizziness, nausea or vomiting

  AND
  • UPT negative if post-pubertal female

Exclusion Criteria:
• First episode of headache
• Abnormal neuro exam or funduscopic exam
• VP shunt
• Concern for increased ICP
• Recent trauma
• History of seizure
• Sudden onset HA reaching maximum intensity within 5 minutes

Consider ibuprofen if not trialed at home and mild symptoms and no hx c/w analgesic overuse headache; give PO fluids
Consider IN sumatriptan (if onset within 72 hours; see contraindication list)

HA resolved?

No

Yes

• IV compazine
• IN sumatriptan, if not already given, no contraindications, and HA onset within 72 hrs)
• IV ketorolac if no NSAIDs in previous 6 hours
• 20ml/kg normal saline bolus, max 1L
• Benadryl PRN dystonic reaction or agitation

HA resolved?

No

Yes

• IV magnesium sulfate
• 2nd 20ml/kg normal saline bolus, max 1L

HA resolved?

No

Yes

Consult Neurology for evaluation and consideration for admission. Can give first dose of DHE in ED.
DHE contraindicated if triptan or zofran within last 24 hours, ischemic heart disease, uncontrolled hypertension.

Send message requesting follow-up with Peds Neuro.
No discharge RX needed.
D/C with HA diary.

If at any time following first or second phase of treatment, HA is partially resolved and patient wants to go home, can discharge with RX for prednisone and ranitidine and arrange Peds Neuro follow-up

For questions concerning this guideline, contact:
chorclinicalguidelines@vcuhealth.org

Last updated: August 2018
Next expected update: August 2021
Migraine Guideline

Executive Summary

Children’s Hospital of Richmond at VCU Migraine Workgroup

Pediatric Neurology Owner: Sanjai Rao, MD
Pediatric Emergency Medicine Owner: Jonathan Silverman, MD
Pediatric Emergency Medicine: Matthew Lemieux, CPNP
Pediatric Emergency Medicine: Mary Frazier Greene, RN
Pediatric Emergency Medicine: Blair Redman, RN
Pediatric Emergency Medicine Nursing Practice Council (consulting): Celia Hanson, RN, CPEN

Approved August 2018

Pediatric Emergency Medicine Quality Committee: Rashida Woods, MD

Chief of Emergency Medicine: Harinder Dhindsa, MD, MPH, MBA, FACEP, FAAEM

Chief of Child Neurology: Lawrence Morton, MD

CHO Clinical Guidelines Committee: Jonathan Silverman, MD

CHO Quality Council, Executive Sponsor: Jeniece Roane, MS, RN, NE-BC
José Muñoz, MD

References


Citation

Title: Migraine Guideline

Authors:

Children's Hospital of Richmond at VCU
Sanjai Rao, MD
Jonathan Silverman, MD

Matthew Lemieux, CPNP
Mary Frazier Greene, RN
Blair Redman, RN

Celia Hanson, RN, CPEN

Date: August 2018

Retrieval website: http://www.chrichmond.org/clinicalguideline-migraine

Example: