Evaluation and Treatment of Children with a Migraine Headache in the ED



Medication	Dose	Route	Max
Ketorolac	0.5 mg/kg	IV	30 mg
lbuprofen	10 mg/kg	PO	600 mg
Benadryl	1 mg/kg	PO or IV	25 mg
Prochlorperazine	0.2 mg/kg	PO or IV	10 mg
Valproic Acid	15 mg/kg	IV	1000 mg
Magnesium	50 mg/kg	IV	2000 mg
Methylprednisolone	2 mg/kg	IV	200 mg

Consider home medication regimen

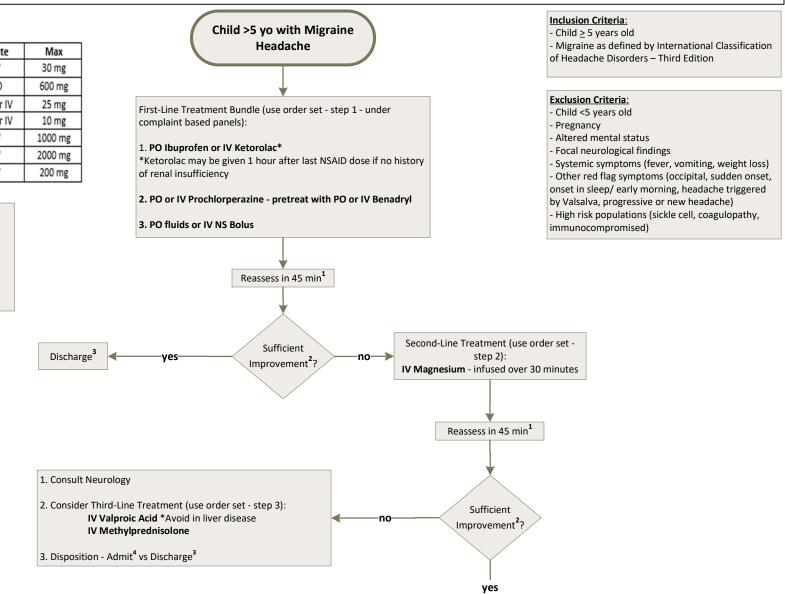
Provide education on SMART habits
Counsel about risk of medication

- Arrange follow up with neurology &

Discharge³

overuse

PMD



Discharge³

Resources:

1. Reassess in 45 minutes after each intervention – check vital signs, neurological exam, pain scale, resolution of most bothersome symptoms.

2. Sufficient improvement can be defined as: improvement in pain score by 1-point, functional improvement, patient reported subjective improvement, complete resolution of pain, and/or return to baseline pain level.

- 3. Discharge Plan
 - a. Medications:
 - i. If the patient is followed by pediatric neurology and has a home headache plan, then follow home headache plan.
 - ii. If the patient is not followed by pediatric neurology, then consider home medication regimen:
 - 1. Naproxen 8-10 mg/kg/dose (max 500mg) PO BID for 3-5 days
 - 2. Metoclopramide 0.2mg/kg/dose (max 10 mg) PO Q8H PRN for nausea/ vomiting
 - 3. Steroid taper starting at 2 mg/kg/day for 5 days to prevent recurrence
 - b. Provide education on SMART habits: Sleep, Meals, Activity, Relaxation, Triggers.
 - c. Limit use of Tylenol and Ibuprofen to \leq 14 days per month.
 - d. Arrange follow up with Neurology and PMD.
- 4. Admission criteria: failing to respond to standard ED treatment, atypical or red flag symptoms, and/or associated seizures.

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