Migraine Headache:
Emergency Department Management
Clinical Practice Guideline (CPG)

Protocol approved by:
Divisions of Pediatric Emergency Medicine and Neurology
Date of approval: 4/09

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Migraine Headache:
ED Clinical Practice Guideline (CPG)

-HX: (Prior headache history? Risk factors?)
-PE and complete neurologic exam WITH fundoscopy
-Pain score

Normal exam

-Abnormal exam

-Page Neurology
-CT or MRI
-Consider pain meds

-CT Head no contrast
-Consider pain meds

-NO

-History of migraine?
-Typical headache for patient?

-YES

-Pain scale 6 or greater?

-NO

-IV: NS bolus (up to 1000ml)
-IV: Ketorolac (0.5 mg/kg, max 30 mg)
-IV: Metoclopramide (0.2mg/kg, max 20mg) OR Prochlorperazine (0.1mg/kg), max 10 mg), AND IV: Diphenhydramine (2 mg/kg, max 50mg)
-Observe 40 minutes, repeat pain score

-YES

-Oral NSAID OR IV Ketorolac 0.5 mg/kg (max 30 mg)
-Observe

-Not significantly improved:
-Repeat IV Metoclopramide OR Prochlorperazine
-Observe 40 minutes, repeat pain score

-Not significantly improved:
-Consult Neurology
-With Neurology approval, give DHE (0.2 mg/kg, max 0.75 mg IV over 3 min) WITH cardiac monitoring. This may be repeated ONCE (up to 0.5 mg) after 30 minutes

Better? Discharge

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