Emergency Department
Entry Assessment for Fracture Pain Pathway
Evidence Based Outcome Center

**EXCLUSION CRITERIA**
- Category 1 Trauma/ESI
- GCS < 14 or Altered Mental Status
- Hypoxia, Hypotension, or Decreased Respiratory Rate as defined by Age-Adjusted Normals

**GUIDELINE INCLUSION CRITERIA**
- Patients 2 - 18 years of age with suspected long-bone fracture

**Patient Triage:**
- All weights in kilograms (kg)
- Allergies
- Initial Pain Score

**Provider requested to bedside:**
- Initiate ED Pain Powerplan

Consider one of, or a combination of the following medications

Recommendations based on PAIN SCORE

**PAIN SCORE 0 – 3**
- Motrin 10 mg/kg PO | MAX = 800 mg
- Tylenol 15 mg/kg PO | MAX = 1000 mg

**PAIN SCORE 4 – 6**
- Fentanyl 2 mcg/kg IN | MAX = 100 mcg (Consider prior to X-ray or IV start)
- Motrin 10 mg/kg PO | MAX = 800 mg
- Tylenol 15 mg/kg PO | MAX = 1000 mg

**PAIN SCORE 7 – 10 OR Obvious Bone Deformity**
- Fentanyl 2 mcg/kg IN | MAX = 100 mcg (Consider prior to X-ray or IV start)
- Morphine 0.1 mg/kg IV | MAX = 8 mg
- Motrin 10 mg/kg PO | MAX = 800 mg
- Tylenol 15 mg/kg PO | MAX = 1000 mg

Re-Assess Patient Pain and document Pain Score

For continued pain, reconsider similar pain therapies as recommended above at provider’s discretion.

**PATHWAY GOALS**
1) Document weight in kilograms
2) Assess Pain Score within 60 minutes
3) Pain medication delivered within 60 minutes of arrival
4) Pain Score re-assessed and documented within 90 minutes of arrival

For questions concerning this pathway, Click Here

Last Updated November 7, 2016
EBOC Project Owner: Sujit Iyer, MD

Approved by the Evidence Based Outcome Center

Revision History
Date Approved: November 7, 2016
Next Review Date: November 7, 2019

EBOC Team:
Sujit Iyer, MD
Philip Friesen, DO
Eric Higginbotham, MD
Denita Lyons, RN
Corey Fearheiley, MD
Laura Pittman, MD
Christen Behtel, RN
Patrick Boswell

EBOC Committee:
Sarmistha Hauger, MD
Terry Stanley, DNP, RN, NE-BC
Mark Shen, MD
Deb Brown, RN
Robert Schlechter, MD
Levy Moise, MD
Sujit Iyer, MD
Tory Meyer, MD
Nilda Garcia, MD
Meena Iyer, MD
Michael Auth, DO

LEGAL DISCLAIMER: The information provided by Dell Children’s Medical Center of Texas (DCMCT), including but not limited to Clinical Pathways and Guidelines, protocols and outcome data, (collectively the “Information”) is presented for the purpose of educating patients and providers on various medical treatment and management. The Information should not be relied upon as complete or accurate; nor should it be relied on to suggest a course of treatment for a particular patient. The Clinical Pathways and Guidelines are intended to assist physicians and other health care providers in clinical decision-making by describing a range of generally acceptable approaches for the diagnosis, management, or prevention of specific diseases or conditions. These guidelines should not be considered inclusive of all proper methods of care or exclusive of other methods of care reasonably directed at obtaining the same results. The ultimate judgment regarding care of a particular patient must be made by the physician in light of the individual circumstances presented by the patient. DCMCT shall not be liable for direct, indirect, special, incidental or consequential damages related to the user’s decision to use this information contained herein.