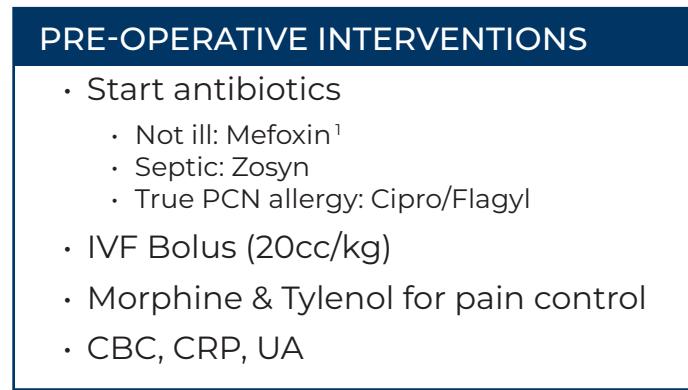


# PEDIATRIC APPENDICITIS CLINICAL PRACTICE GUIDELINE

## Pediatric Appendicitis Diagnosed by Imaging



TO OR

SIMPLE

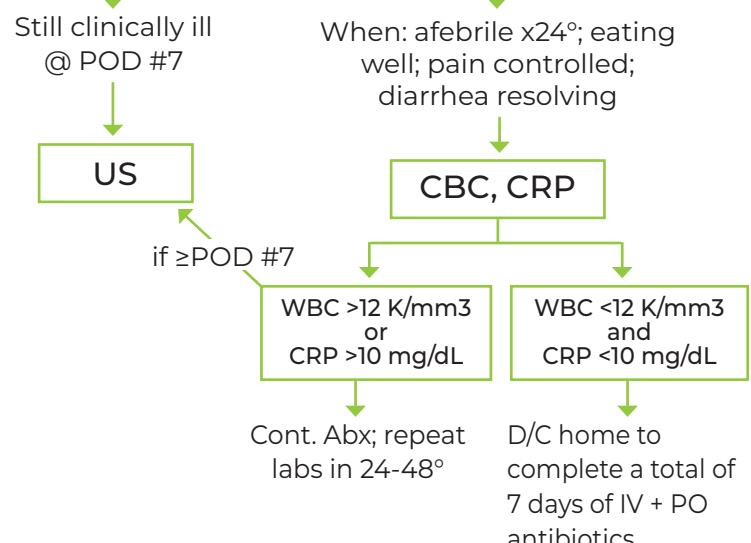
COMPLICATED

- Stop antibiotics
- D/C home when afebrile & tol po
- Tylenol/Motrin for pain +/- 5 doses oxycodone

- Antibiotics
  - Zosyn
  - Cipro/Flagyl for PCN allergy
- Nutrition
  - Clears → ADAT
  - When tol po → add probiotic →△ to oral pain meds
- Pain
  - Morphine prn
  - Toradol
  - Ofirmev/Tylenol
  - Oxycodone
  - +/- Gabapentin
- Activity
  - IS
  - Ambulate TID
  - PT Consult

### MEDICATION DOSES

- Mefoxin 40mg/kg **IV** Q6° (max 2g)
- Zosyn 100mg/kg **IV** Q6° (max 4g)
- Cipro 15mg/kg **IV** Q12° (max 400mg)
- Cipro 15-20mg/kg/dose **PO** BID (max 750mg/dose)
- Flagyl 30mg/kg **IV** Q24°  
(max 1000mg or 1500mg/kg if >80kg)
- Flagyl 15-50mg/kg/day **PO** ÷TID (max 2250/mg/day)
- Morphine 0.05 - 0.2mg/kg (max 2 - 4mg)
- Tylenol 15mg/kg Q6° (max 4gm)
- Toradol 0.5mg/kg **IV** Q6° (max 30mg)
- Ofirmev 15mg/kg Q6° (max 4gm)
- Motrin 10mg/kg **PO** Q6°
- Oxycodone 0.1 - 0.2mg/kg/dose (max 5 - 10mg)
- Augmentin Suspension 90mg/kg/day **PO**  
(14:1 formulation) ÷TID (max 3000mg/day)



### RESOURCES

Fraser JD, Aguayo P, Leys CM, et al. A complete course of intravenous antibiotics vs a combination of intravenous and oral antibiotics for perforated appendicitis in children: a prospective, randomized trial. J Pediatr Surg. 2010;45(6):1198-202.

Kwan KY, Nager AL. Diagnosing pediatric appendicitis: usefulness of laboratory markers. Am J Emerg Med. 2010;28(9):1009-15.

Lee SL, Islam S, Cassidy LD, et al. Antibiotics and appendicitis in the pediatric population: an American Pediatric Surgical Association Outcomes and Clinical Trials Committee systematic review. J Pediatr Surg. 2010;45(11):2181-5.

Nadler EP, Gaines BA, Therapeutic Agents Committee of the Surgical Infection Society. The Surgical Infection Society guidelines on antimicrobial therapy for children with appendicitis. Surg Infect (Larchmt). 2008;9(1):75-83.

Rice-Townsend S, Barnes JN, Hall M, et al. Variation in practice and resource utilization associated with the diagnosis and management of appendicitis at freestanding children's hospitals: implications for value-based comparative analysis. Ann Surg.

1. Augmentin Suspension PO (14:1 formulation) 90 mg/kg/day divided TID (max 3000 mg/day)

2. True PCN Allergy:  
a. Ciprofloxacin PO: 15-20 mg/kg/dose BID (max 750 mg/dose)  
b. Flagyl PO: 15-50 mg/kg/day divided TID (max dose 2250 mg/day)