Post Operative Appendicitis Algorithm For All Categories (1, 2A, 2B & 2C) **Clinical Practice Guideline**

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days of antibiotics from

time of IR drainage





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for d/c criteria

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Post-operative Medications

Post-Operative Management					
Pain Control	Advancing Oral Pain Regimen	Polyethylene Glycol 3350 (Miralax) Dosing			
500mg) or 15mg/kg/dose IV* (max 1000mg) q6hrs for pain	Once pain controlled and tolerating PO, <i>change</i> <i>these medications from IV to PO:</i> • Ketorolac to Ibuprofen 10mg/kg/dose PO q6hr PRN (max 400mg/dose) • Morphine to: Hydrocodone with Acetaminophen Hydrocodone 0.2mg/kg/dose PO q6hr PRN pain (max 5mg Hydrocodone per dose) • Consider Gabapentin as a discharge medication	 When tolerating regular diet and if no stool for 24 hours, consider starting Miralax (max 17gm PO): Age 1-5 years: 4.25 grams (1/4 capful) Age 6-11 years: 8.5 grams (1/2 capful) Age 12 and up: 17 grams (1 whole capful) 			

* Criteria for IV Acetaminophen use:

i. Complicated appendectomies who have been readmitted or perforated appendectomies that are high risk for ileus

ii. Post-op ileus

iii. Patient with history of multiple abdominal surgeries/multiple adhesions needing to be NPO >24 hours

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Post-operative Antibiotics					
Empiric IV Treatment					
Indication	Antibiotics	Dose & Schedule	Max Single Dose		
Complicated Appendicitis (2A, 2B & 2C)	Ceftriaxone And Metronidazole	75mg/kg q 24h IV	2000mg		
		30 mg/kg q 24h IV	1500mg		
Complicated Appendicitis (2A, 2B & 2C) with severe penicillin (PCN) allergy ¹	Ciprofloxacin And Metronidazole	15 mg/kg q 12hr IV	400mg		
		30 mg/kg q 24h IV	1500mg		
Complicated (2B &2C) Appendicitis Step UP Therapy*					
Complicated (2B &2C) Appendicitis	Piperacillin/tazobactam (Zosyn) ²	100mg/kg q8h IV	4000mg		

¹Type 1 allergy defined by urticaria or anaphylaxis ²Metronidazole does not need to be added to a regimen with Piperacillin/tazobactam since anaerobic coverage is adequate with Piperacillin/tazobactam

*May step-up to Piperacillin/tazobactam 72 hours post-operatively for failure of Ceftriaxone/Metronidazole therapy or earlier for signs of sepsis

Complicated (2B & 2C) PO Stepdown Therapy				
Indication	Antibiotic	Dose & Schedule	Max Single Dose	
Complicated Appendicitis (2B & 2C)	Amoxicillin/Clavulanate Liquid 400mg/5mg for < 40kg	45/mg/kg/day divided BID	875 mg	
	Amoxicillin/Clavulanate Tablet (875mg) for > 40kg	1 tablet BID	875mg	
Complicated Appendicitis (2B & 2C) with Severe PCN Allergy	Ciprofloxacin And Metronidazole	15mg/kg q 12h PO	500mg	
		10mg/kg q 8h PO	500mg	

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