



Inclusion Criteria

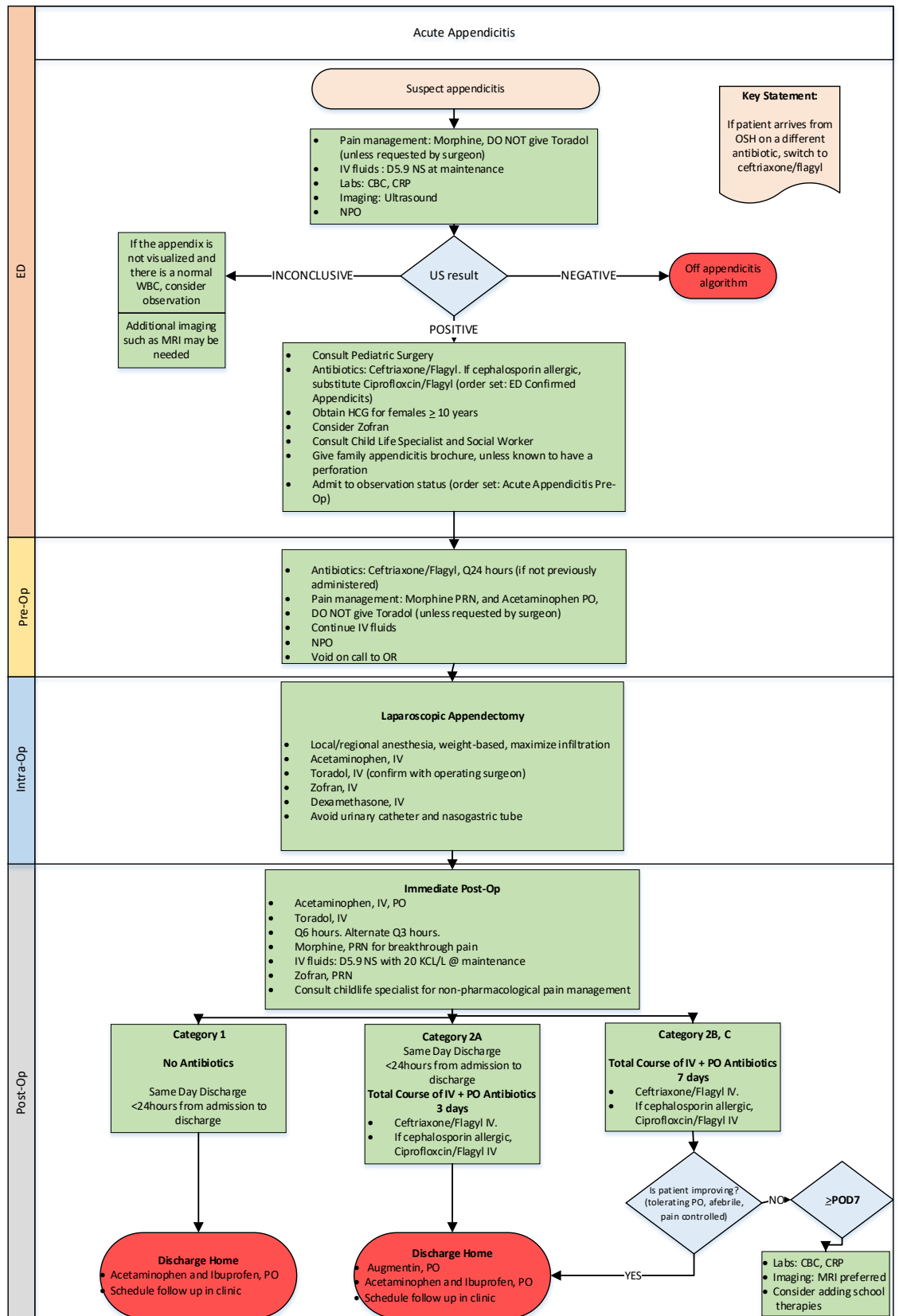
Age: 3-18 years

Category Definitions

- Category 1**
 Acute appendicitis, localized peritonitis, w/o gangrene, w/o perforation, w/o abscess
- Category 2A**
 Acute appendicitis, localized peritonitis, **with gangrene**, w/o perforation, w/o abscess
- Category 2B**
 Acute appendicitis, localized peritonitis, w or w/o gangrene, **with perforation**, with contained abscess
- Category 2C**
 Acute appendicitis, **generalized** peritonitis, w or w/o gangrene, **with perforation**, with abscess

Discharge Criteria

- Afebrile <100.4° F (38° C)
- Tolerating fluids (6oz by 4 hours) without emesis
- Manageable nausea
- Ambulating in hallway
- Voiding (0.5-1.0mL/kg/hr)
- Pain controlled
- No bleeding
- Non distended abdomen





Evidence

- Aguayo P, Alemayehu H, Desai AA, Fraser JD, St Peter SD. Initial experience with same day discharge after laparoscopic appendectomy for nonperforated appendicitis. *J Surg Res.* 2014 Jul;190(1):93-7. doi: 10.1016/j.jss.2014.03.012. Epub 2014 Mar 12. PubMed PMID: 24725679.
- Alkhoury F, Burnweit C, Malvezzi L, Knight C, Diana J, Pasaron R, Mora J, Nazarey P, Aserlind A, Stylianos S. A prospective study of safety and satisfaction with same-day discharge after laparoscopic appendectomy for acute appendicitis. *J Pediatr Surg.* 2012 Feb;47(2):313-6. doi: 10.1016/j.jpedsurg.2011.11.024. PubMed PMID: 22325382.
- Anandalwar SP, Cameron DB, Graham DA, Melvin P, Dunlap JL, Kashtan M, Hall M, Saito JM, Barnhart DC, Kenney BD, Rangel SJ. Association of Intraoperative Findings With Outcomes and Resource Use in Children With Complicated Appendicitis. *JAMA Surg.* 2018 Nov 1;153(11):1021-1027. doi: 10.1001/jamasurg.2018.2085
- Baxter KJ, Short HL, Travers CD, Heiss KF, Raval MV. Implementing a surgeon-reported categorization of pediatric appendicitis severity. *Pediatr Surg Int.* 2018 Dec;34(12):1281-1286. doi:10.1007/s00383-018-4364-8. Epub 2018 Oct 13.
- Cairo SB, Raval MV, Browne M, Meyers H, Rothstein DH. Association of Same-Day Discharge With Hospital Readmission After Appendectomy in Pediatric Patients. *JAMA Surg.* 2017 Dec 1;152(12):1106-1112. doi: 10.1001/jamasurg.2017.2221. PubMed PMID: 28678998; PubMed Central PMCID: PMC5710416.
- Cheng O, Cheng L, Burjonrappa S. Facilitating factors in same-day discharge after pediatric laparoscopic appendectomy. *J. Surg Res.* 2018 Sept; 229: 145-149. doi:10.1016/j.jss.2018.03.072 Epub 2018 Apr 15.
- Farach SM, Danielson PD, Walford NE, Harmel RP Jr, Chandler NM. Same-day discharge after appendectomy results in cost savings and improved efficiency. *Am Surg.* 2014 Aug;80(8):787-91. Review. PubMed PMID: 25105399.
- Gee K, Ngo S, Burkhalter L, Beres AL. Safety and feasibility of same-day discharge for uncomplicated appendicitis: A prospective cohort study. *J Pediatr Surg.* 2018 Feb 9. pii: S0022-3468(18)30085-X. doi: 10.1016/j.jpedsurg.2018.02.031. [Epub ahead of print] PubMed PMID: 29510871.
- Gurien LA, Burford JM, Bonasso PC, Dassinger MS. Resource savings and outcomes associated with outpatient laparoscopic appendectomy for nonperforated appendicitis. *J Pediatr Surg.* 2017 Nov;52(11):1760-1763. doi: 10.1016/j.jpedsurg.2017.03.039. Epub 2017 Mar 19. PubMed PMID: 28347529.
- Hornor MA, Liu JY, Hu QL, Ko CY, Wick E, Maggard-Gibbons M. Surgical Technical Evidence Review for acute Appendectomy Conducted for the Agency for Healthcare Research and Quality Safety Program for Improving Surgical Care and Recovery. *J Am Coll Surg.* 2018 Dec;227(6):605-617.e2. doi:10.1016/j.jamcollsurg.2018.09.024. Epub 2018 Oct 12.
- Knot EM, Gasior AC, Ostlie DJ, Holcomb GW 3rd, St Peter SD. Decreased resource utilization since initiation of institutional clinical pathway for care of children with perforate appendicitis. *J Pediatric Surg.* 2013 Jun;48(6):1395-8. doi:10.1016/j.jpedsurg.2013.03.044
- Lee. SL, Islam S, Cassidy L, Abdullah F, Arca, Marjorie. Antibiotics and appendicitis in the pediatric population: An American Pediatric Surgical Association Outcomes and Clinical Trials Committee Systematic Review. *J Pediatr Surg.* 2010 Nov;45(11):2181-5. doi: 10.1016/j.jpedsurg.2010.06.038
- Putnam LR, Levy SM, Johnson E, Williams K, Taylor K, Kao LS, Lally KP, Tsao K. Impact of a 24-hour discharge pathway on outcomes of pediatric appendectomy. *Surgery.* 2014 Aug;156(2):455-61. doi: 10.1016/j.surg.2014.03.030. Epub 2014 Jun 21. PubMed PMID: 24962193.
- Willis ZI, Duggan EM, Bucher BT, Pietsch JB, Milovancev M, Wharton W, Gillon J, Lovvorn HN 3rd, O'Neill JA Jr, Di Pentima MC, Blakely ML. Effect of a Clinical Practice Guideline for Pediatric Complicated Appendicitis. *JAMA Surg.* 2016 May 18;151(5):e160194. doi 10.1001/jamasurg.2016.0194. Epub 2016 May 18.
- Yu YR, Smith CM, Ceyanes KK, Naik-Mathuria BJ, Shah SR, Vogel AM, Carberry KE, Nuchtern JG, Lopez ME. A prospective same day discharge protocol for pediatric appendicitis: Adding value to a common surgical condition. *J Pediatr Surg.* 2017 Oct 9. pii: S0022-3468(17)30633-4. doi: 10.1016/j.jpedsurg.2017.10.011. [Epub ahead of print] PubMed PMID: 29103787.