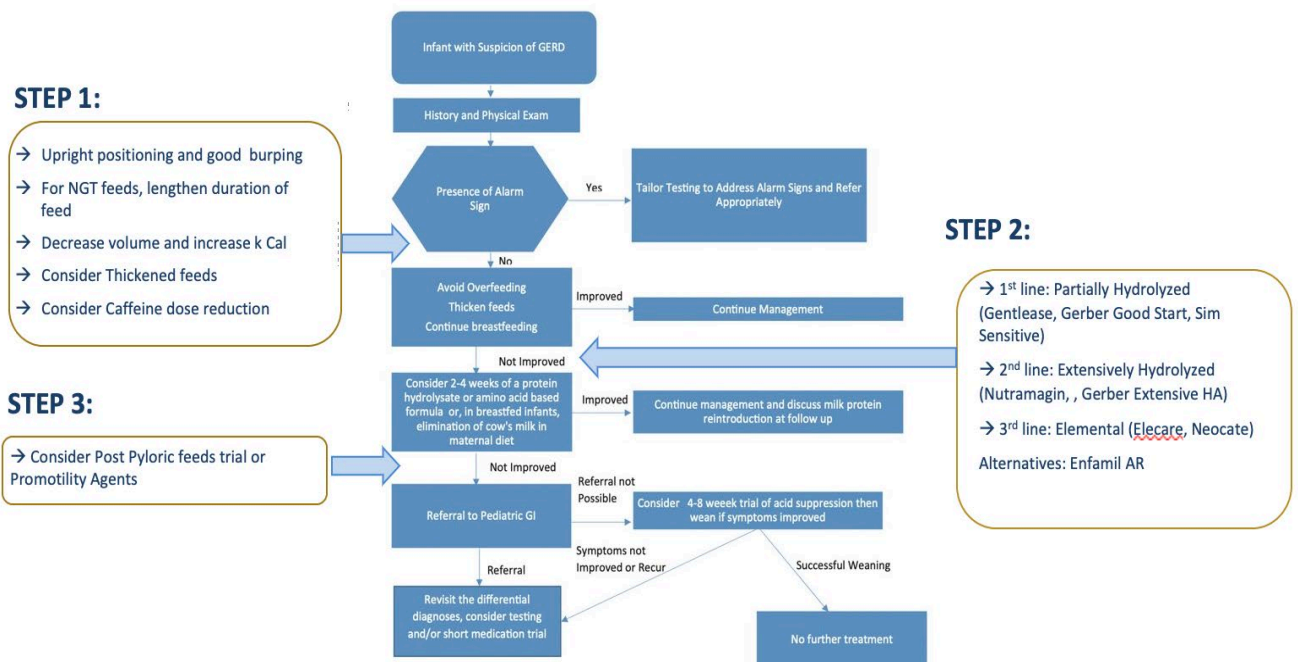


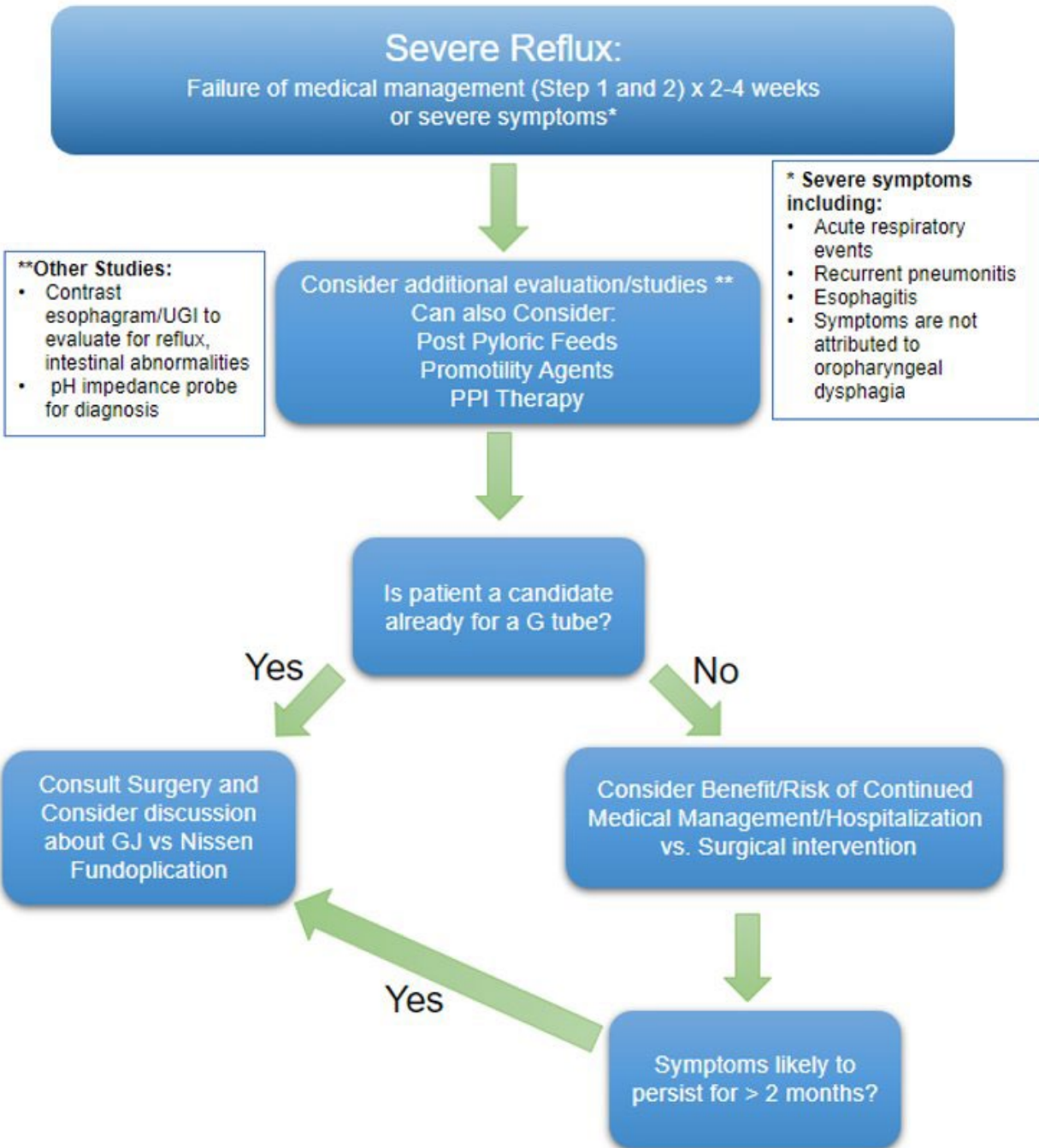
Management Guidelines for the Symptomatic Infant with GERD



***Flow Diagram Derived from 2018 NASPGHAN Guidelines**

(Rosen R, Vandenplas Y, Singendonk M, Cabana M, DiLorenzo C, Gottrand F, Gupta S, Langendam M, Staiano A, Thapar N, Tipnis N, Tabbers M. Pediatric Gastroesophageal Reflux Clinical Practice Guidelines: Joint Recommendations of the North American Society for Pediatric Gastroenterology, Hepatology, and Nutrition and the European Society for Pediatric Gastroenterology, Hepatology, and Nutrition. J Pediatr Gastroenterol Nutr. 2018 Mar;66(3):516-554. doi: 10.1097/MPG.0000000000001889. PMID: 29470322; PMCID: PMC5958910.

For infants with SEVERE GERD:



References:

- Bonjer, J. (2017). *Surgical principles of minimally invasive procedures*. Springer.
- Crowley, J., et. al. (2014). Quality improvement guidelines for pediatric gastrostomy and gastrojejunostomy tube placement. *J Vasc Interv Radiol*, 25, 1981-991.
- Harnsberger, J. K., Corey, J. J., Johnson, D. G., & Herbst, J. J. (1983). Long-term follow-up of surgery for gastroesophageal reflux in infants and children. *The Journal of Pediatrics*, 102(4), 505-508
- Knatten, C. K., Kvello, M., Fyhn, T. J., Edwin, B., Schistad, O., Aabakken, L., ... & Bjørnland, K. (2016). Nissen fundoplication in children with and without neurological impairment: a prospective cohort study. *Journal of pediatric surgery*, 51(7), 1115-1121.
- Kristensen, C., Åvitsland, T., Emblem, R., Refsum, S., & Bjørnland, K. (2007). Satisfactory long-term results after Nissen fundoplication. *Acta Paediatrica*, 96(5), 702-705.
- Papandria, D., Goldstein, S. D., Salazar, J. H., Cox, J. T., McIltrout, K., Stewart, F. D., ... & Colombani, P. (2015). A randomized trial of laparoscopic versus open Nissen fundoplication in children under two years of age. *Journal of pediatric surgery*, 50(2), 267-271.
- Rosen, R., Vandenplas, Y., Singendonk, M., Cabana, M., DiLorenzo, C., Gottrand, F., Gupta, S., Langendam, M., Staiano, A., Thapar, N., Tipnis, N., Tabbers, M. (2018). Pediatric gastroesophageal reflux clinical practice guidelines: Joint recommendations of the North American Society for Pediatric Gastroenterology, Hepatology, and Nutrition and the European Society for Pediatric Gastroenterology, Hepatology, and Nutrition. *JPGN*, 66(3), 516-54.
- Rothenberg, S. S. (2013). Two decades of experience with laparoscopic nissen fundoplication in infants and children: a critical evaluation of indications, technique, and results. *Journal of Laparoendoscopic & Advanced Surgical Techniques*, 23(9), 791-794.
- Seeras, K., Bittar, K., & Siccardi, M. A. (2021). Nissen fundoplication. In *StatPearls [Internet]*. StatPearls Publishing.
- Shahi, N., Phillips, R., Acker, S. N., Meier, M., Goldsmith, A., Shirek, G., Ladd, P., Moulton, S. L., & Bensard, D. (2020). Enough is enough: Radiation doses in children with gastrojejunal tubes. *Journal of Pediatric Surgery*, 56, 668-73.
- Sharma, S., & Thomson, M. (2022). GERD and Endoscopic Therapeutic Approach. In *Gastroesophageal Reflux in Children* (pp. 345-360). Springer, Cham.
- Shilyansky, J. (2020, August 1). *Enteral Access*. APSA. Retrieved August 27, 2022, from <https://www.pedsurglibrary.com/apsa/view/PedSurg%20Resource/1884018/all/Enteral+Access>
- Tovar, J. A., Luis, A. L., Encinas, J. L., Burgos, L., Pederiva, F., Martinez, L., & Olivares, P. (2007). Pediatric surgeons and gastroesophageal reflux. *Journal of pediatric surgery*, 42(2), 277-283.

Medical Legal Disclaimer:

Welcome to the UC Davis Health, Department of Pediatrics, Clinical Practice Guidelines Website. All health and health-related information contained within the Site is intended chiefly for use as a resource by the Department's clinical staff and trainees in the course and scope of their approved functions/activities (although it may be accessible by others via the internet). This Site is not intended to be used as a substitute for the exercise of independent professional judgment. These clinical pathways are intended to be a guide for practitioners and may need to be adapted for each specific patient based on the practitioner's professional judgment, consideration of any unique circumstances, the needs of each patient and their family, and/or the availability of various resources at the health care institution where the patient is located. Efforts are made to ensure that the material within this Site is accurate and timely but is provided without warranty for quality or accuracy. The Regents of the University of California; University of California, Davis; University of California, Davis, Health nor any other contributing author is responsible for any errors or omissions in any information provided or the results obtained from the use of such information. Some pages within this Site, for the convenience of users, are linked to or may refer to websites not managed by UC Davis Health. UC Davis Health does not control or take responsibility for the content of these websites, and the views and opinions of the documents in this Site do not imply endorsement or credibility of the service, information or product offered through the linked sites by UC Davis Health. UC Davis Health provides limited personal permission to use the Site. This Site is limited in that you may not:

- Use, download or print material from this site for commercial use such as selling, creating course packets, or posting information on another website.
- Change or delete propriety notices from material downloaded or printed from it. · Post or transmit any unlawful, threatening, libelous, defamatory, obscene, scandalous, inflammatory, pornographic, or profane material, any propriety information belonging to others or any material that could be deemed as or encourage criminal activity, give rise to civil liability, or otherwise violate the law.
- Use the Site in a manner contrary to any applicable law.

You should assume that everything you see or read on this Site is copyrighted by University of California or others unless otherwise noted. You may download information from this Site as long as it is not used for commercial purposes, and you retain the proprietary notices. You may not use, modify, make multiple copies, or distribute or transmit the contents of this Site for public or commercial purposes without the express consent of UC Davis Health.