History
22 month old with colicky abdominal pain intermittently for 5 days.

Diagnosis
Ileocolic Intussusception

Discussion
Ultrasound is the preferred method to diagnose intussusception; it is easy, accurate and does not involve radiation. Graded compression sonography of all 4 quadrants is performed. Intussusception appears as concentric rings transversely and a "pseudokidney" longitudinally. Pathologic intussusception requiring reduction can be usually be differentiated from transient incidental intussusception by size and location. An intussusception > 2.5 cm in diameter is usually pathologic. Pathologic intussusceptions are usually peripheral in the abdomen, most common in the RUQ. Transient incidental intussusceptions are usually < 2.0 cm in diameter and located centrally or in the RLQ. Presence of lymph nodes in the intussusception are pathognomonic for pathologic intussusception. A thickened outer rim of bowel >5 mm, absent color Doppler flow in the intussuscepiens, small bowel obstruction and ascites are poor predictors of reduction.

Findings
US-5 cm mass with in RUQ. Centrally, the round hypoechoic foci represent lymph nodes and the hyperechoic area represents mesentery of the intussusceptum. Peripherally, the rim represents thickened and edematous bowel wall of the intussuscepiens. Color Doppler demonstrates flow in the intussusceptum.

Reference
Park NH, et al. Ultrasonic findings of small bowel intussusception, focusing on differentiating from ileocolic intussusception. BJR 2007; 80:798-802.
Disclaimer
This teaching site is partially funded by an educational grant from GE Healthcare and Advanced Radiology Services, PC. The material on this site is independently controlled by Advanced Radiology Services, PC, and GE Healthcare and Spectrum Health have no influence over the content of this site.

Content Download Agreement
The cases and images on this website are owned by Spectrum Health. Permission is granted (for nonprofit educational purposes) to download and print materials to distribute for the purpose of facilitating the education of health professionals. The authors retain all rights to the material and users are requested to acknowledge the source of the material.

Site Disclaimer
This site is developed to reach healthcare professionals and medical students. Nothing this site should be considered medical advice. Only your own doctor can help you make decisions about your medical care. If you have a specific medical question or are seeking medical care, please contact your physician.

The information in this website is provided for general medical education purposes only and is not meant to substitute for the independent medical judgment of a physician relative to diagnostic and treatment options of a specific medical condition.

The viewpoints expressed in these cases are those of the authors. They do not represent an endorsement. In no event will Advanced Radiology Associates, PC, Spectrum Health Hospitals (Helen Devos Children’s Hospital) or GE Healthcare be liable for any decision made or action taken in reliance upon the information provided through this website.