

The Neonatal Urinary Tract

Objectives

- Understand the techniques and positioning used to evaluate the neonatal urinary tract system with ultrasound
- Distinguish the differences in the appearance of neonatal kidneys compared to other populations
- Identify pathologic findings of neonatal urinary tract images and discuss the clinical correlation associated with the findings

Content Outline

1. Technique
 - A. Positioning
2. Normal Kidney Ultrasound
3. Pathology
 - A. Hydronephrosis
 - B. Ureteropelvic junction obstruction
 - C. Duplicated collecting system
 - D. Posterior urethral valves
 - E. Multicystic dysplastic kidney
 - F. Autosomal recessive polycystic kidney disease
 - G. Stasis nephropathy
 - H. Adrenal hemorrhage

Reading Material Resources

Module NX2104: The Neonatal Urinary Tract is based on the chapter listed below. A copy is included with the module.

Chapter 4, Neonatal Imaging, Eklund, M.J., Hill, J.G., and Swift, C.C., The National Certification Corporation (NCC), Chicago, IL 2018