

Prenatal hydronephrosis follow-up for pediatric healthcare provider

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Abstract

Introduction: Hydronephrosis is the most common ultrasound finding in fetal screening. It can be present in 1-3% of obstetric ultrasound making this a very important theme for personnel in charge of pediatric care because in real life practice every pediatrician will encounter a child with urinary dilatation, especially in neonatal care.

Objective: Transmit knowledge of urinary dilatation focusing on possible causes, classification, and provide tips on how to distinguish patients that will require prompt intervention by a pediatric urologist and which can be managed conservatively by establishing a practical guideline for follow up and optimal referral.

Methods: A review of literature has been done to create a first line follow-up algorithm for first line pediatric healthcare personnel. We reviewed literature from the last ten years including articles referring to diagnosis, classification and follow-up. We excluded the ones focused on surgical treatment and management outcomes ones referred to a specialist.

Results: It has been established an evidence based study algorithm for new born patients diagnosed with hydronephrosis and found that ultrasound is the cornerstone in decision making for follow-up of hydronephrosis and also marks the next step to take.

Conclusion: All patients diagnosed with prenatal hydronephrosis need to be studied with ultrasound first. Being the first line contact, it is imperative for pediatric health care professionals to have a knowledge of how to monitor this patient for an optimal referral.

Biography:

Rodrigo Medorio is a medical doctor with specialty in pediatrics, pediatric surgery and pediatric urology. Focused for the last 10 years mostly to the practice of pediatric urology and got his experience in one of Mexico's biggest pediatric hospital where part of activities carried out was in resident training. Currently collaborating in his hometown community as a pediatric surgeon and urologist as part of the social health system and private practice.

[34th Global Summit On Pediatrics](#); September 14-15, 2020.

Abstract Citation:

Rodrigo Medorio, Prenatal hydronephrosis follow-up for pediatric healthcare provider, Global Pediatrics Summit 2020, 34th Global Summit On Pediatrics; September 14-15, 2020.