

## #1932 - Atypical urinary tract infection and association with urological anomalies

Authors and Affiliations Mitra Naseri ,Mashhad University of Medical Sciences, 0919313051  
Niayesh Tafazoli ,Mashhad University of Medical Sciences,

Corresponding Author and email Mitra Naseri,naserimitra2014@gmail.com and naserim@mums.ac.ir

**Body**

**Introduction:** Patients with atypical UTI (infections with uropathogen other than E-coli) are considered to be at greater risk for having urological anomalies .A study was conducted to compare the association of atypical UTI in subgroups of patients: children with urological anomalies (VUR and obstructive uropathies), subjects with neurogenic bladder and those with apparently normal urinary tract.

**Materials and methods:** children referred to nephrology clinic between June 2002-2016 and underwent kidney-bladder ultrasonography and VCUG enrolled the study. In case of moderate to severe hydro nephrosis or hydro uretero nephrosis , dynamic renal scans ( Tc<sup>99</sup> DTPA or TC<sup>99</sup> EC -renal scan) were done to rule out obstruction .In patients suspected to neurogenic bladder urodynamic studies were done . Those with nephrolithiasis and no urologic anomalies excluded from the study.

**Results:** Of 1242 cases referred, 647 patients enrolled, included 316 cases with VUR, 246 patients with no urologic abnormalities, 56 cases of neurogenic bladder and 29 patients with urinary obstruction. Non -E-coli pathogens were responsible for 18.13%, 15.6%, 29% and 15.15% of episodes of infections in subgroups respectively .Infections with non-E coli pathogens were significantly more prevalent in cases with neurogenic bladder (P=0.021).Of 13 episodes of pseudomonas infections 6 (46.15%), 5 (38.45%) and 2(15.4%) episodes were found in case with no urological anomalies, neurogenic bladder and patients with VUR respectively.

**Conclusion:** Infection with non-E coli pathogens are significantly more prevalent in patients with neurogenic bladder not those with urological anomalies.

## #1932 - Atypical urinary tract infection and association with urological anomalies

**Key word:** UTI, children, urinary obstruction, VUR, neurogenic bladder

References

Generate date      03 November 2018 14:58