

A 2 DAYS VOIDING DIARY. IS IT RELIABLE?

Hypothesis / aims of study

The 3-day voiding diary has been the standard for evaluation of lower urinary tract symptoms (LUTS) in children. Recently, it has been attorney than 2 days would be enough. Thus, adherence to this instrument of assessment should be higher. The aim of this study is to assess the reliability of the daily 3 days compared to 3 days

Study design, materials and methods

105 children with lower urinary tract (LUTD) dysfunction were evaluated by voiding diary 3 days. Comparing the number of voids, average and maximum volume urinated in the following sequence: day 1 and 2 vs. 3 days, 2 and 3 days vs. 3 days and 1 and 3 days vs. 3 days. T test was performed to evaluate statistical significance of differences ($p < 0.05$).

Results

The mean age of the patients was 7.9 ± 3.06 years, with a predominance of females 60%.

Table- p values of the difference between groups of 2 days vs. 3 days voiding diary:

	Number of voids/day	Average voiding volume	Maximum voiding volume	Fluid intake
1 st + 2 nd vs. 3 days	0.009	.187	.174	.284
2 st + 3 nd vs. 3 days	0.025	0.009	.427	.593
1 st + 3 nd vs. 3 days	.784	.870	.513	.853

Interpretation of results

The mean age of the patients was 7.9 ± 3.06 years, with a predominance of females 60%.

Table- p values of the difference between groups of 2 days vs. 3 days voiding diary:

	Number of voids/day	Average voiding volume	Maximum voiding volume	Fluid intake
1 st + 2 nd vs. 3 days	0.009	.187	.174	.284
2 st + 3 nd vs. 3 days	0.025	0.009	.427	.593
1 st + 3 nd vs. 3 days	.784	.870	.513	.853

Concluding message

Despite the same fluid intake, regarding the number of voids, average and maximum voided volume, there was no difference only when 3 days voiding diary was compared to 1st and 3rd days of the diary. The clinical implication of these results must be evaluated before using a 2 days diary as standard.

Disclosures

Funding: Fundação de Amparo à pesquisa da Bahia(FAPESB) **Clinical Trial:** No **Subjects:** HUMAN **Ethics Committee:** Comitê de Ética em Pesquisa da Escola Bahiana de Medicina **Helsinki:** Yes **Informed Consent:** Yes