

## PARASACRAL INFLUENCE OF ELECTROSTIMULATION IN CHILD WITH CONTINUOUS USE OF ANTIBIOTICS FOR RECURRENT URINARY INFECTIONS AND URINARY LOSSES 3 YEARS AGO: CASE STUDY

### Hypothesis / aims of study

To evaluate the influence of parasacral electrostimulation in child who continuously used antibiotics over the last three years due to recurrent urinary infections and urinary losses.

### Study design, materials and methods

Case study. Six-year-old female child who presented recurrent urinary infections. She was treated in the Pediatric Urology Department at the Physiotherapy Clinic of Santa Cecilia University. After the Statement of Informed Consent was signed by the legal guardian, it was carried out a complete and detailed medical history with personal data, history of present illness, chief complaint, personal and family history, routine pre morbidity, morbidity after routine, inspection, physical examination to assess the sensory motor function of the pelvic floor muscles, urinalysis and voiding diary the patient. Ten sessions of parasacral electrostimulation took place with the following parameters: 20 minutes, 10 Hz, pulse duration of 250 milliseconds and intensity varying with the sensitivity of the patient twice a week, and behavioral rehabilitation.

### Results

After 10 sessions, all symptoms of urinary tract infection and urinary leakage ceased, confirmed by the urinalysis (before positive and negative after intervention) and voiding diary (before loss of urine 3 x per week and after the intervention no loss).

### Interpretation of results

The patient no longer makes use of antibiotics and has no complaints after three months of treatment.

### Concluding message

The parasacral electrostimulation positively influenced both the treatment of recurrent urinary tract infection as the UI.

### References

1. Barroso U Jr, Tourinho R, Lordelo P, Hoebeke P, Chase J. Electrical Stimulation for Lower Urinary Tract Dysfunction in Children: A Systematic Review of the Literature. *Neurourology and Urodynamics* 30:1429–1436 ,2011.
2. Barroso U Jr, Lordelo P. Elettrical nerve stimulation for overactive bladder in children. *Nature Reviews Urology*, v 8, july 2011
3. Barroso U Jr, Tourinho R, Lordelo P, Hobeke P e Chase J. Elettrical Stimulation for Lower Urinary Tract Dysfunction in Children: A Systematic Review of the Literature. *Wiley Periodicals*, 2011

### Disclosures

**Funding:** no source or grant **Clinical Trial:** No **Subjects:** HUMAN **Ethics not Req'd:** was a case study at Santa Cecilia University; ambulatory patient **Helsinki:** Yes **Informed Consent:** Yes