

Biofeedback Therapy in Children: Assessment of Symptom Scores

- **Background:** Biofeedback is an alternative therapy that uses self-regulation to gain control of a physiological response. Biofeedback instruments can record muscle activity, respiratory rate, heart rate, blood pressure, and brain electrical activity¹. The recordings are presented to the patient in real time and allow changes in behavior in order to acquire the desired physiological control. The purpose of this study is to retrospectively evaluate predictors of outcomes in pediatric urologic patients. This study will allow us to better understand the diagnosis, treatment and management of pediatric patients with urologic diseases and has the potential to impact current protocols and standard of care in order to improve patient outcomes.

Specific Aim 1: Determine whether the timing of UDS impacts the efficacy of biofeedback for lower urinary tract dysfunction.

Specific Aim 2: Evaluate the initial voiding questionnaire scores prediction of biofeedback success.