

CHARACTERISTICS OF LOWER URINARY TRACT SYMPTOMS IN ADULT FEMALE PATIENTS WHO HAD NOCTURNAL ENURESIS IN THEIR CHILDHOOD

Hypothesis / aims of study

Nocturnal enuresis (NE) is a highly bothersome lower urinary tract symptom (LUTS), described as involuntary loss of urine that occurs during sleep. NE is common in children however, at adolescence it's prevalence decreases between 0,5% and 3%. The aim of this study is to determine the frequency of lower urinary tract symptoms of the adult female patients who had prolonged enuresis.

Study design, materials and methods

Adult female patients with prolonged enuresis and have complaint about various types of lower urinary tract symptoms and admitted to our clinic between January 2014 and March 2016 investigated. According to patient information forms a database created.

Results

The data of 20 patients accordance with the criteria has been reached. The mean age was 46.5 (range: 30-75) and the mean termination age of enuresis was 13.5 (range: 6-56). The most frequent LUTS in study patients were frequency, urgency incontinence and urgency, 86.6%, 73.3% and 66.6% respectively (Table.1).

Table.1. Patient Characteristics

No	Age	Enuresis End Age	Urgency	Frequency	UI	SI	Nocturia	Pelvic Pain	Dysuria	VD	CD	Menstrual Status
1	58	10		+	+	+	+			2		Postmenopausal
2	50	12	+	+	+		+		+	1		Postmenopausal
3	48	12	+	+	+					2		Menstrual
4	38	9	+	+	+		+			2	1	Menstrual
5	75	9	+	+	+		+			2		Postmenopausal
6	22	11	+					+	+			Menstrual
7	64	15	+	+	+	+			+			Postmenopausal
8	52	8	+	+	+	+		+		2		Postmenopausal
9	39	11		+							1	Menstrual
10	33	14		+			+	+	+	2		Menstrual
11	45	12			+	+				1		Menstrual
12	43	14		+				+	+	2		Menstrual
13	32	10			+	+				2		Menstrual
14	52	10	+	+	+	+		+		2		Postmenopausal
15	54	13	+	+	+		+			2		Postmenopausal
16	50	12	+	+				+		2		Menstrual
17	30	14	+	+	+		+	+		1		Menstrual
18	56	56*	+	+	+	+		+		4		Postmenopausal
19	43	6	+	+	+	+	+				2	Menstrual
20	39	11						+	+		1	Menstrual
			13(65%)	16(80%)	14(70%)	8(40%)	8(40%)	9(45%)	6(30%)			

UI: Urge Incontinence, SI: Stress Incontinence, VD: Vaginal Delivery, CD: Caesarean Delivery, * Still continue

Interpretation of results

Female patients who had nocturnal enuresis in their childhood seem to have lower urinary tract symptoms even in younger ages.

Concluding message

According to our study, patients presenting with symptoms of LUTS should be carefully evaluated for enuresis. Despite the limited patient number, our study shows the prolonged childhood enuresis may represent with the LUTS in adult life. Further studies with larger number of cohorts should be planned.

Disclosures

Funding: None **Clinical Trial:** Yes **Public Registry:** No **RCT:** No **Subjects:** HUMAN **Ethics not Req'd:** It is a retrospective study and it is planned for ethical committee approval **Helsinki:** Yes **Informed Consent:** No