

ROLE OF PRE AND POSTTREATMENT INCONTINENCE IMPACT QUESTIONNAIRE IN STRESS URINARY INCONTINENCE

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BACKGROUND

Stress urinary incontinence (SUI) is a common problem in multiparous women and adversely affect quality of life. Need exists for assessing and to see the impact of treatment in quality of life in them.

OBJECTIVES

To assess the role of Incontinence Impact Questionnaire (IIQ) in assessing the impact of SUI on quality of life of women and to see the effect of treatment on its improvement.

MATERIAL AND METHODS

A total of 40 women presented to gynaecological outpatient department of a tertiary referral hospital with symptoms and signs of SUI were included in the study. Incontinence Impact Questionnaire (IIQ) was calculated in all of them. They underwent treatment as per hospital protocol and clinical situation like conservative treatment (4, 10% women) in group 1, Burch's colposuspension (18, 45% women) in group 2 and tension free obturator tape (18, 45% women) in group 3, IIQ again calculated 6 months after treatment.

RESULTS			
Table 1: Characteristics of women of SUI (N=40)			
S.NO	Characteristics	Number	Percentage
1.	Age (years)		
	a. Range	36-45	
	a. Mean (Standard Deviation (SD))	41.50 (4.43)	
2.	Parity		
	a. Range	0-6	
	a. Mean (Standard Deviation (SD))	2.75 (1.13)	
3.	Body mass index (kg/m ²)		
	a. Range	18.5-31.8	
	a. Mean (Standard Deviation (SD))	24.22 (3.18)	
4.	Socioeconomic status		
	a. Lower	26	65%
	a. Moderate	12	30%
	a. Upper	2	5%
Table 2: Symptoms and Duration of SUI (N=40)			
Symptoms	Number	Percentage	
1. Stress urinary incontinence	40	100	
a) Range (years)			
	0-6-5		
	Mean ± Standard Deviation (SD)	4.04 (3.58)	
2. Urge incontinence	0	0	
3. Female Genital Prolapse	0		
Post-Operative History			
	I. Vaginal delivery	34	80
	II. Instrumental delivery	2	5
III. Caesarean section	4	10	
Table 3: Treatment of SUI given to patients (N=40)			
S.NO	Treatment given	Number	Percentage
1.	Conservative treatment (Kegel's exercise, life style modification, biofeedback)	4	10
	Burch's colposuspension	18	45
	Tension free Obturator tape	18	45
Table 4: Incontinence Impact Questionnaire (IIQ-7) score before and after treatment of SUI (N=40)			
S.NO	IIQ before treatment	IIQ after treatment	P value
1.	Range	25-40	11-31
2.	Mean	45.86	21.14
	Standard deviation	18.35	7.89
3.	Mean IIQ in conservative group (N=4) (Group 1)	40.18	21.18
			0.04
4.	Mean IIQ in Burch's colposuspension group (N=18) (Group 2)	46.86	20.83
			0.01
5.	Mean IIQ in tension free obturator tape (N=18) (Group 3)	46.12	21.16
			0.01
Post treatment P value by Group 1 versus Group 2-0.22 Group 1 versus Group 3-0.20 Group 2 versus group 3-0.26			
CONCLUSION			
Incontinence Impact Questionnaire (IIQ) is useful questionnaire to quantify the impact of SUI on quality of life and can assess impact of medical or surgical treatment on SUI.			