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No disclosures

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#682 ASSOCIATION BETWEEN CONVENTIONAL URODYNAMICS, CHARACTERISTIC VARIABLES OF PATIENT PROFILE, AND SPECIFIC TYPE OF URINARY INCONTINENCE IN FEMALE PATIENTS

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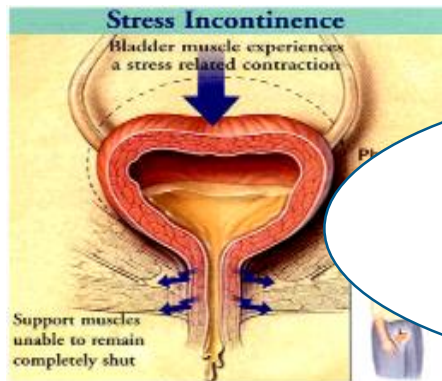
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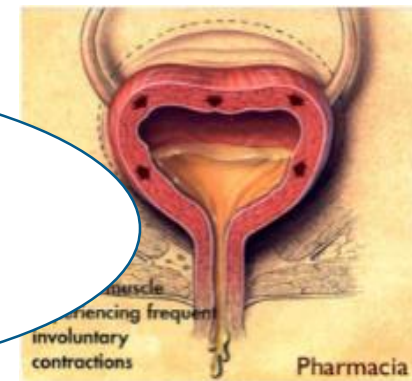
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Management of urinary incontinence (UI) in women depends of urinary incontinence type¹

Stress UI



Urge UI



Mixed UI

1. P. Abrams, K.E. Andersson, L. Birder, L. Brubaker, L. Cardozo, C. Chapple et al. Fourth International Consultation on Incontinence Recommendations of the International Scientific Committee: Evaluation and Treatment of Urinary Incontinence, Pelvic Organ Prolapse, and Fecal Incontinence. *Neurourology and Urodynamics* 29:213–240 (2010)

To assess if patient profile characteristics combination with urodynamic data could improve diagnostic of specific type of urinary incontinence: SUI, UUI, MixUI

Crosssectional study
Pauls Stradins Clinical
University Hospital
2013Sep-2017Mar

547 female with
urinary incontinence

UDI-6
ICIQ-UI

StressUI
N=107

MixUI
N=365

UrgeUI
N=75

UDI-6 Urogenital Distress Inventory Short Form
ICIQ-UI International Consultation on Incontinence
Questionnaire Short Form

Examinations

**Patient
hystory**

**Physical
examination**

Urodynamics

**Urodynamics should be performed in order to
provide the knowledge on which rational
treatment decisions and prognosis can be based²**

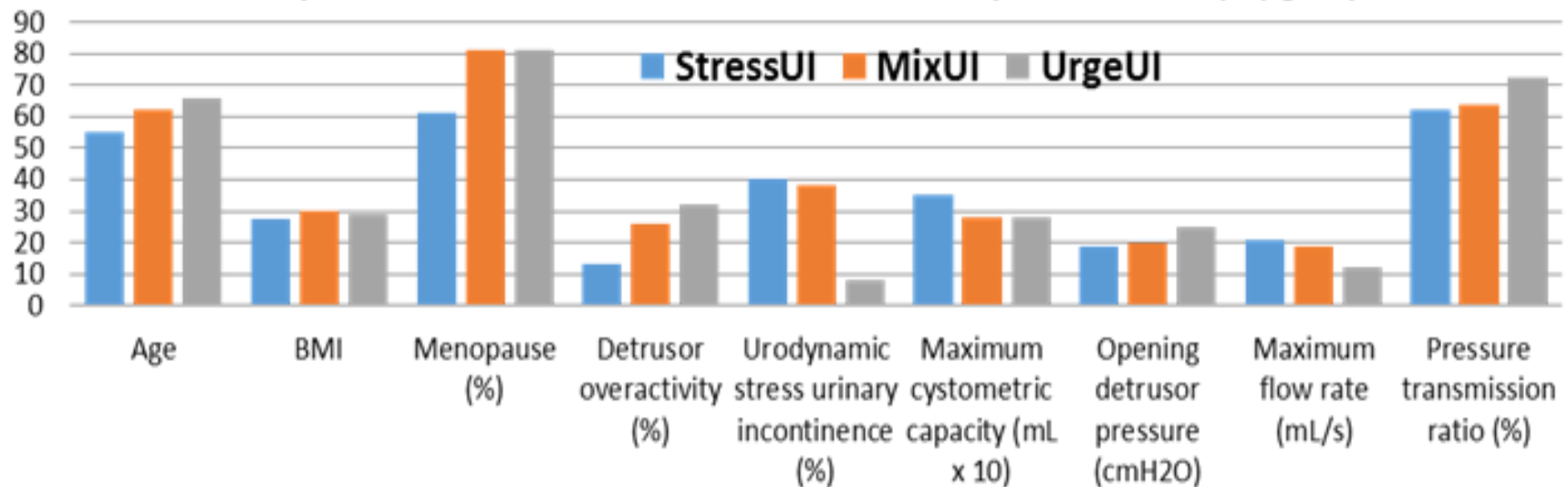


Results

Urinary Incontinence type	StressUI	MixUI	UrgeUI	p
Variable				
Age**	55 (45–64)	62 (53.5–70)	66 (56–70)	<0.001
BMI*	27.4 (±5.3)	29.8 (±5.9)	28.9 (±5.9)	0.001
Menopause (%)***	61	81	81	<0,001
Detrusor overactivity (%)***	13	26	32	0.006
Urodynamic stress urinary incontinence (%)***	40	38	8	<0.001
Maximum cystometric capacity (mL)*	353.3 (±131.6)	281.7 (±129)	279.1 (±125.2)	<0.001
Opening detrusor pressure (cmH ₂ O)**	19 (13–25)	20 (14–30)	25 (16–37)	0.008
Maximum flow rate (mL/s)**	21 (15–26)	19 (13–26)	12 (9–18)	<0.001
Pressure transmission ratio (%)**	62 (42–80)	64 (49–75)	72.5 (63–82.8)	0.002
Parity**	2 (1–2)	2 (1–2)	2 (1–2)	0.265
Functional urethral length at rest (mm)*	35.2 (±8.7)	34.2 (±9.2)	36.4 (±8.4)	0.121
Maximum urethral closure pressure at rest (cmH ₂ O)**	62 (44–79)	59 (44–80)	67.5 (51–94.3)	0.064

*Normal distribution, p – one-way ANOVA **Not normal distribution, p – Kruskal-Wallis test ***Qualitative data, p – Pearson's chi-squared test

Analyzed variables results between different urinary incontinence (UI) groups



The most sensitive way to correctly diagnose the type of urinary incontinence is to combine patient profile characteristics with urodynamic examinations

Thank you!