

PREVALENCE OF COMPLAINT OF VAGINAL AIR IN URINARY INCONTINENT WOMEN AT CENTER OF PELVIC PHYSIOTHERAPY

Hypothesis / aims of study

The International Continence Society (ICS) defines urinary incontinence (UI) as the complaint of any involuntary leakage of urine that can be classified in Stress Urinary Incontinence (SUI), Urinary Incontinence (UI) and mixed urinary incontinence (MUI); some women may refer the complaint of vaginal air or noise associated with this voiding dysfunction.⁽¹⁾

According to Petrus 2007, for the amendment of the conjunctive tissue and altered function of the pelvic floor muscles some women would have their bodies more subject to pressure changes.⁽³⁾ According to Etienne 2010, the hypothesis is flaccidity of the pelvic floor muscles providing the entrance and exit of air, noisy or not.⁽²⁾

Objective: To determine the prevalence of complaints of vaginal air or noise in women with urinary incontinence treated at the Center of Pelvic Physiotherapy of Irmandade Santa Casa de Misericordia de Sao Paulo.

Study design, materials and methods

The study included 61 patients, with and without sexual activity, 22 with SUI and 39 with MUI, aged between 30 and 55 years (mean = 47.06 years), from March to November 2013. The physiotherapy assessment used at Center of Pelvic Physiotherapy of Irmandade Santa Casa de Misericordia de São Paulo, on which the quantitative and qualitative demographic variables were recorded, and the patients were questioned as to whether or not the complaint of vaginal air was happening.

Results

From 61pacientes (100%), we averaged the results of quantitative demographic variables, age (47.06 years), BMI (28.14), parity (3.2), vaginal delivery (2:28) and cesarean section (0.92). The average of the results of the qualitative demographic variables were: married 48 (78,7%), postmenopausal 24 (39,3%), active sexual life with partner 46 (75,4%) and pelvic surgery 33 (54,1%). Regarding the complaint of vaginal air or noise, 49 (80,3%) women referred to the presence of this symptom.

Concluding message

The complaint of vaginal air or noise is prevalent in incontinent patients treated at Center of Pelvic Physiotherapy of Irmandade Santa Casa de Misericordia de Sao Paulo.

References

1. Abrams P, Cardozo L, Fall M, Griffiths D, Rosier P, Ulmsten U, et al., The standardization of terminology of lower urinary tract dysfunction: report from the standardization sub-committee of the International Continence Society. *Urology* 2003;61:3749. Disponível em: http://www.icsoffice.org/ASPNET_Membership/Membership/Publications/Publications.aspx.
2. Etienne MA, Waitman MC. *A Fisioterapia e as Disfunções Sexuais Femininas*. São Paulo: Bookstore Médica Paulista. Editora. 2006.
3. Petros PP, Skilling PM. Pelvic floor rehabilitation in the female according to the integral theory of female urinary incontinence. First report. *Eur J Obstet Gynecol Reprod Biol*. 2001; 94:264-9.

Disclosures

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