Evaluation of personality traits, sexual function, and prevalence of masturbation in men with chronic prostatitis / chronic pelvic pain syndrome

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Morbidity of chronic prostatitis in Lithuania

*The Department of Statistics (Statistics Lithuania). The number of men aged 45 or older at the beginning of 2015.
Objective

To evaluate personality traits, sexual function and prevalence of masturbation in men with chronic prostatitis / chronic pelvic pain syndrome (CP / CPPS).
Method

• The study included 81 males, aged 20 - 45 years (mean age 32.4 ± 9.8).

• The investigation group (IG) included 24 men with CP / CPPS and the control group (CG) included 52 men who were generally healthy.

• All the participants completed the survey consisting of:
  – Socio-demographic section,
  – Brief Male Sexual Function Inventory (BMSFI)
  – Big 5 Personality Questionnaire (B5PQ).
Neuroticism trait (NT) (B5PQ) differed significantly between the IG and the CG, the NT score was (18.88 ± 5.32) in the IG and (15.39 ± 4.83) in the CG ($p = 0.007$).
In the BMSFI a cut off value defining problem assessment (PA) was 11 (sensitivity - 69.6%, specificity 60.0%, the area under the ROC curve - 69.3%); 69.6% of the IG respondents and 40.0% of the CG respondents scored ≤ 11 (p = 0.021).
In the BMSFI a cut off value defining overall satisfaction (OS) was 3 (sensitivity - 56.5%, specificity - 71.1%, the area under the ROC curve - 69.3%); 43.5% of the IG respondents and 71.1% of the CG respondents scored ≥ 3 (p = 0.021).
Results (2)

Odds ratios for suffering from CP / CPPS (95% CI) were following:

• 5.077 (1.634 - 15.772) (p = 0.005) of men having dominant NT
• 3.429 (1.176 - 9.994) (p = 0.024) of men having ≤11 PA score
• 3.200 (1.124 - 9.113) (p = 0.029) of men having < 3 OS score
In age group 35 to 44, 44.4% of men who scored ≥ 3 for OS (BMSFI) masturbated, while the percentage of those who scored < 3 and masturbated counted for 100.0% (p = 0.038).
In this age group even 100.0% of IG masturbated and only 36.4% of those who were included in CG ($p = 0.017$).
Conclusion

• Neuroticism is dominant trait among CP / CPPS patients.

• Neuroticism, complaints of sexual function issues and low satisfaction indicates higher chances of having CP / CPPS.

• Men, aged 35 - 44 years, complaining of low satisfaction or being already diagnosed with CP / CPPS are more tend to masturbate.
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