

# The sexual satisfaction and infertility in patients referred to treatment centers in Semnan in 1401

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## Introduction

Sexual relationship is a sexual need for every alive and mature creature. The sexual relationship and reaching to orgasm is not the only purpose, but it is a kind of energy that promotes love, emotion and intimacy. Tension, depression, low self-confidence and sexual dissatisfaction are the psychological consequences of infertility.

## Methods and materials

In this cross-sectional study, 200 infertile couples and 200 fertile couples who referred to health centers in Semnan and were chosen by available sampling method were entered into the study. Data were collected from the participants by the use of Larson sexual satisfaction questionnaire and the demographic information questionnaire (including age, education, abortion history, number of children, occupation, marriage period and monthly salary). Input criteria for fertile women were the absence of chronic diseases, history of depression, absence of abortion history, history of first marriage and being besides the spouse; the input criteria for infertile women were gynecologist confirmation about infertility and absence of chronic disease, depression, history of first marriage and being besides the spouse. Data were analyzed by Pearson correlation, independent T-test and Chi2 test by SPSS software (version 16).

## Results

In fertile couples, the women's age was between 17 to 39 years-old with the mean of  $28.56 \pm 5.7$  years-old and their spouses' age were between 19 to 69 years-old with the mean of  $36.47 \pm 2.7$  years-old. In the infertile couples, women's age was between 18 to 44 years-old with a mean of  $26.63 \pm 4.7$  years-old and their spouses' age was between 20 to 64 years-old with a mean of  $34.47 \pm 4.9$  years-old. Educationally 21.4 % were under seventh grade, 33.5 % had diploma, 28.5 % had Associate's or Bachelor's degree and 16.6 % had Master's and higher degrees. Sexual satisfaction of infertile couples were 41.6 % and the sexual satisfaction in fertile couples were 73.4 %. In infertile couples, there was a significant relationship between infertility period, monthly salary and occupation with sexual satisfaction ( $P < 0.001$ ). In fertile couples, there was a direct significant relationship between education, monthly salary and education with sexual satisfaction ( $P < 0.002$ ), but there was no significant relationship between marriage period and the number of children with sexual satisfaction ( $P > 0.04$ ).

## Conclusion

Since the sexual dissatisfaction leads to physical and psychological problems and even family breakdown, attention and effort are needed to solve this issue and it needs extensive planning, supportive actions and educational workshops to inform couples and educate them about confronting crisis.

**Key words:** sexual satisfaction, infertile couples, Semnan