



## The Study of self-concept and self-discrepancy among women receiving and donating oocyte who referred to Royan infertility center in 2014

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**Introduction:** A technology for fertility assistance is the use of donated oocyte. Although the data about medical aspects of this process is available, the knowledge of psychological affairs related to this therapy is limited. Self-concept and self-discrepancy are able to investigate the psychological aspects of every person and therefore, because of limited research in this field and also lack of research in relation to self-concept and self-discrepancy of infertility, we decided to study self-concept and self-discrepancy on women who receive and donate oocyte.

**Material and Method:** In this cross sectional investigation, carried out in 2014, 53 women were divided randomly into two groups including donors and receivers. The data were collected by three questionnaire including demographic questions, self-concept questionnaire and self-discrepancy questionnaire (consisting of "ideals" and "have to be" self-discrepancy data). The data were analyzed through SPSS19 and by use of statistical tests including Chi-square and *t*-test.

**Findings:** The mean age of the cases in receiving and donating groups was  $32.6 \pm 5.3$  and  $29.33 \pm 3.7$ , respectively. These two groups did not show any significant difference in their demographical characteristics. The self-concept and self-discrepancy data were poor. There was no significant difference between the two groups regarding the mean scores of self-concept data ( $p=0.572$ ), whilst, there was a significant differences between the two groups regarding the "have to be" part of self-discrepancy data ( $p=0.019$ ). But no significant difference was found between the two groups about the "ideal" part of the self-discrepancy data ( $p=0.22$ )

**Conclusion:** According to the achieved results, the officials should provide supportive psychological programs for infertile women receiving oocyte. It is also necessary to take some measures for evaluating the emotional aspects of oocyte recipients. One of the great strengths this study is to reference the Royan center and one of the main limitations was the limited number of people were willing to donate oocytes.

**Keywords:** Self-concept, Self discrepancy, Oocyte recipient women, Oocyte donor women

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