

## Working Females' Knowledge, Attitude, and Intention at Beni-Suef University regarding Oocyte Cryopreservation: Effect of an Educational Program

### Abstract:

**Background:** Nowadays, an emerging oocyte freezing technology can offer some protection for women against the loss of fertility with aging and may be advised or recommended as a remedy for infertility issues. **Aim:** The current study was conducted to evaluate the effect of an educational program on females working at Beni-Suef University regarding knowledge, attitude, and intention regarding oocyte cryopreservation. **Subjects and Methods:** *Design:* A quasi-experimental design was used. *Sample and Settings:* A study from Beni-Suef University on a purposive sample consisted of 334 working females at Beni-Suef University. *Tools:* Four data collection tools were used to carry out the current study: (I): A Structured Interviewing Questionnaire Sheet; (II): Females' knowledge regarding oocyte cryopreservation; (III): Females' attitudes regarding oocyte cryopreservation; (IV): Females' intention regarding oocyte cryopreservation. **Results:** It reveals that 72.8% & 51.8% of the studied sample delayed marriage or childbearing to complete their studies or work. After program implementation, knowledge improved from  $8.62 \pm 3.78$  to  $9.21 \pm 2.24$ . Females' attitude toward oocyte preservation after program implementation improved to  $48.52 \pm 4.66$  compared to  $36.83 \pm 4.87$  preprogram. Working females' intention regarding oocyte preservation after program implementation is  $21.89 \pm 2.15$  as compared to  $19.74 \pm 2.98$  preprogram. Using the chi-square test revealed highly significant statistical differences between females' overall knowledge, attitude, and intentions pre- and postprogram implementation ( $P=0.000$ ). **Conclusion:** Based on the findings of the present study, it can be concluded that after program implementation, the studied female workers at Beni-Suef University had marked improvement in knowledge, attitude, and intention regarding oocyte cryopreservation compared to before program implementation. **Recommendations:** To increase knowledge about fertility preservation and its possible advantages for future quality of life, oocyte cryopreservation should be incorporated into premarital counseling in various maternity and child health (MCH) facilities.

**Keywords:** *Knowledge, Attitude, Intention, Oocyte Cryopreservation, Educational Program*