



## P58. IS LAPAROSCOPIC TUBAL STERILIZATION ASSOCIATED WITH PREMATURE MENOPAUSE?

FIDAN U (TR) [1], ULUBAY M (TR) [2], MUTLU H (TR) [3], KESKIN U (TR) [4], KARSAHIN K E (TR) [5]

Context: effects of tubal sterilization

Objective: To detect if laparoscopic tubal sterilization relates to premature menopause.

Laparoscopic tubal sterilization is a surgical procedure for permanent contraception in women. This intervention can be associated with certain complications in the short term and also has the risk of failure in the long term. Relationship between laparoscopic tubal sterilization and premature menopause in the long term has not been elucidated. The present study addresses this subject.

Methods: the selected patient group has been compared with the control group regarding the age of menopause methods are explained below.

Design:

Our study was designed as a retrospective cohort study, conducted between 2002 - 2016. Ethical committee decision: April 5, 2016, no: 197

Setting: The study was done in a local Hospital, Ankara, Turkey

Patients: The study group included 76 patients (Group 1) with the laparoscopic coagulation; and 76 healthy women (Group 2). Medical data of tubal sterilized women between 2002 and 2010, were reviewed and their medical records between 2010 -2016 were reviewed again. Those who presented with climacteric complaints and then diagnosed with menopause (who lacked menstrual cycle for the last 6 months and follicle-stimulating hormone levels of  $>40$  IU/l) between 2010 and 2016 were included in the study.

The inclusion criteria were: no history of infertility/infertility treatment, no previous ovarian surgery, non-smokers, no accompanying medical condition, no family history for premature menopause. The control group consisted of 76 healthy women meeting the same inclusion criteria.

Interventions: The demographic data & laboratory results of two groups were statistically evaluated.

Main Outcome measure(s): Age at menopause after laparoscopic coagulation.

Result(s): Parity, FSH levels, age at menopause were not significantly different between two groups. Body mass index was higher in the control group.

There was no statistical difference between the groups regarding age of menopause ( $47.86 (\hat{A}\pm 1.72)$  vs.  $48.19 (\hat{A}\pm 1.61)$ ;  $p = 0.271$ ).

Conclusion(s):

[1] SAGLIK BILIMLERI UNIVERSITY, GULHANE SCHOOL OF MEDICINE,, [2] SAGLIK BILIMLERI UNIVERSITY, GULHANE SCHOOL OF MEDICINE,, [3] SAGLIK BILIMLERI UNIVERSITY, GULHANE SCHOOL OF MEDICINE,, [4] SAGLIK BILIMLERI UNIVERSITY, GULHANE SCHOOL OF MEDICINE,, [5] SAGLIK BILIMLERI UNIVERSITY, GULHANE SCHOOL OF MEDICINE,

If laparoscopic tubal sterilization caused premature menopause in the long term is a concern. For now, our study indicates that tubal sterilization with laparoscopic coagulation did not result in premature menopause. However, further studies should focus on the effects of salpingectomy, which has been proven to be protective against ovarian cancer.