

5 year follow-up of intrauterine devices applicated during cesarian sections

K. Ertopcu, H. Unluoglu, A. Donmez, O. Bicer, I. Ergin and I. Ozelmas

Social Security maternity Hospital, Izmir-Turkey

Objective: To evaluate the continuity, efficacy and reliability of intrauterine devices (IUDs) applicated during cesarian sections performed in our hospital throughout 5 year follow-up.

Material and Methods: CuT 380A IUD were applicated to 683 cases during cesarian sections performed in between 1 October 1993 and 30 September 1996, were taken into the study. Demographic characteristics like age, parity and number of abortus' of the cases, IUD complications like continuity of IUDs, dislocation, expulsion, pregnancy, bleeding, pain on controls and methods chosen after IUD removal were determined. Statistics were evaluated with chi-square test under SPSS 10.0

Results: Mean age of the cases were $25,9\pm 4,3$ (16-41) years, number of total pregnancies were $2\pm 0,9$ (1-8) and the mean number of abortus' were $0,2\pm 0,5$ (0,6). IUDs of 244 cases out of total 683 cases who came for controls, were removed through 5 year follow-up, 6,1% of these cases were the cases who came for the control in the first 3 months. IUD removal rates of the cases who came for the controls were 11,5% in the first year, 12,3% in the second year, 18,6% in the third year, 22,8% in the fourth year and 16,1% in the fifth year, respectively. IUD dislocation and expulsion was observed in 70,7% of 41 cases whose IUDs were removed in the first 3 months and these rates were 33,3% in the first year, 14,2% in the second year, 8,3% in the third year, 2,5% in the fourth year and 5,2% in the fifth year, respectively. A total number of 3 pregnancies was observed, which were in the first three months, first year and second year. Rates of the cases whose IUDs were removed because of bleeding and pain were 7,3% in the first three months, 20,3% in the first year, 16,6% in the second year, 12,5% in the third year, 22,5% in the fourth year and 21% in the fifth year. Because of baby desire, IUDs were removed in 9,2% of cases in the first year, 26,1% in the second year, 54,1% in the third year, 55% in the fourth year and 57,8% in the fifth year. 12,7% of the cases whose IUDs were removed, again chose contraception with IUD.

Conclusion: IUD application during cesarian section is an effective and reliable method. Rate of dislocation and expulsion is higher in the first 3 months, but still in acceptable limits. Antenatal and follow-up counselling is important in continuity of IUDs.