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#### 40 NON-SURGICAL FEMALE STERILIZATION WITH QUINACRINE PELLETS

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Surgical sterilization is well-known and very effective fertility regulation method. Since all the surgical procedures are relatively complicated, research is focused on discovery and testing of various non-surgical female sterilization methods. Among these methods only chemical sterilization with Quinacrine hydrochloride pellets has entered in a preliminary clinical use.

From February 12, 1988, till March 1, 1992, we have accomplished 120 sterilizations with Quinacrine in women aged  $37.2 \pm 2.0$  years (mean  $\pm$  SD). After two consecutive menstrual periods, with inserter for "T" intrauterine contraceptive device; we have placed highly in the uterine fundal area 252 mg of Quinacrine hydrochloride in pellets of 36 mg each. One or two months after the second Quinacrine application, hysterosalpingography (HSG) was performed and complete bilateral proximal tubal occlusion was demonstrated in all but two cases examined. For each Quinacrine application, as well as for HSG, women were hospitalized for one day. All the procedures were performed without anesthesia and without cervical dilatation; there were no complications. The only change women have noticed was less than usual menstrual bleeding, following intrauterine Quinacrine application. On the total of 3227 months of use there were five intrauterine pregnancies resulting in Pearl's index of 1.86.

According to our results as well as to those published in the literature, it seems that chemical sterilization with Quinacrine pellets could be the method of choice for great majority of women aged 35 years or more who have decided not to have more children.