

P-121

Histologic Changes in the Fallopian Tubes after Lower Dose of Transcervical Quinacrine Insertion. A. R. Satin. A. Mohindroo. P. Chandra and S. S. Gill. Government Medical College, Patiala, Punjab, India.

Objectives: Quinacrine (Q) sterilization is usually done by two 252 mg monthly transcervical insertions. But there are concerns regarding its safety, We carried out this clinicopathologic study using single 180 mg Q pellet insertion.

Design: Histologic changes in fallopian tubes were studied after Q insertion in cases undergoing hysterectomy (Hx) for benign utero-cervical conditions in tertiary medical care setting.

Materials and Methods: Fifty women awaiting Hx consented for this study. Five Q (180 mg) and two diclofenac pellets (100 mg) were inserted transcervically with an IUCD inserter prior to Hx. Q-Hx interval Varied from 3 to 72 days. Microscopic changes after serial sections of fallopian tubes were studied using H&E stain and grouped as stage 0, 1, 2 & 3. (Stage 0, no change; stage 1, acute inflammatory reaction and stage 2. chronic Inflammatory reaction in lamina propria; stage 3, fibrosis & complete tubal occlusion.) The extent of tubal involvement from comual end was also examined.

Results: All cases (10 tubes) with Q-Hx interval more than 36 days showed bilateral tubal occlusion at the comual end, while isthmus and fimbrial end showed changes only in two and one tube respectively. Stage 3 changes were observed in 20/82 tubes within 6 to 35 days & in none within 5 days.

Conclusions: 1) A single transcervical 180 mg insertion of Q causes total occlusion of all fallopian tubes after 36 days. 2) In contrast to our earlier study with 252 mg Q. the changes are less marked in the isthmus & fimbrial end which may be an advantage should the need for recanalization arise. 3) A lower single transcervical insertion of 180 mg may be safer than the presently recommended two insertions of 252 mg Q for sterilization.

Q & diclofenac pellets were supplied by International Federation of Family Health with no financial support.
