Ultrasound-guided artificial insemination

Objetives:
To evaluate the ultrasound-guided artificial insemination and its results: pregnancy rate in our hospital comparing both: ultrasound guided insemination and non guided insemination.

Material and method:
We studied 114 inseminations done in our hospital during 2013: 69 women (60.5%) had insemination without ultrasound-guide and 45 (39.5%) without guided ultrasound. Inclusion criteria were: At least one patent tube, normal utero, FSH<12, <38 years, AMH<1, at least 5x10^6 movil sperm and IBM<30 mg/m^2.

114 inseminations in 66 women were studied with an average 2.74 inseminations each one; with an average age of 34 years. We have an average of FSH, LH and estradiol of about 7.43, 5.61, and 55.01. Hysterosalpingografies done show us an average of 93.9% bilateral permeability.

The number of the follicles we can see in ultrasound method before the insemination were: the 76.3% had one follicle and the 23.7% had two.

Conclusions:
We analyzed the relationship between pregnancy rate and the different variables of the study with the SPSS V20 and spssv15 with chi-cuadrado. If we link pregnancy rate and ultrasound guide, first we find that the pregnancy rate is 14.91%(17 women).

Our results were: 42%(7 women) of the pregnancies in our insemination were done with ultrasound guide and a 58.8% (10 women) without it. If we analyze the results we have obtained we can see, ultrasound guided inseminations have best result at total in this form.