

SPONTANEOUS OR POOR RESPONDER IVF: RIGHT OF PATIENTS THAT WE RETRIEVE OPTIMAL PERCENTAGE OF EGGS/ FOLLICLE.

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Egg Collection is a crucial process in IVF. With every additional egg we can increase pregnancy rates. However, no efforts have been undertaken during the past 30 years to improve techniques in this procedure and to create equivalent guidelines for every single step in IVF that already exist.

Several studies, comparing Single Lumen Needles without flushing vs. Double Lumen Needles with flushing found the same number of eggs, but flushing at least doubled operating time. As a consequence only few colleagues worldwide are flushing follicles.

The reason for this trend is not flushing per se, but flushing with the wrong equipment. Due to the narrowed aspiration lumen in Double Lumen Needles turbulences of fluid are extremely reduced during aspiration. The `flushing lumen` is even smaller, allowing slow refilling of follicles without the flushing effect.

The effect of STEINER-TAN Needle 21 gauge for flushing used in spontaneous IVF is demonstrated at YouTube Video: steiner flushing, computer animation or www.ivfexflex.com Physical properties of needle make a study possible on one and same patient by comparing flushing vs. non flushing at the same follicle because dead space of needle is 8cm only. Audience is invited to perform a study with 21,19 or 17gauge STEINER-TAN needles.

During this lecture you will hear the introduction of a new Filter Method for follicle aspirate in OPU using a 500cc flask instead of multiple NUNC Vials reducing time for OPU procedure and exposure of COC with blood.

New technologies like Time Lapse without improvement of pregnancy rates are interesting in understanding physiology of reproduction but mainly in increasing reputation of an IVF center.

Our focus should be in improving technologies in ART, based on Law of Physics, improving pregnancy rates and reducing hazard of OHSS.