

Safety and efficacy of mixing cetorelix with follitropin alfa: a randomized study

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摘要

Abstract

OBJECTIVE: To assess the safety and efficacy of mixing cetorelix with follitropin alfa (rFSH) in assisted reproductive technology. **DESIGN:** Prospective, randomized study. **SETTING:** An IVF center in a teaching hospital. **PATIENT(S):** One hundred forty patients undergoing intracytoplasmic sperm injection were randomized into mixed (M) or separate (S) injection groups. **INTERVENTION(S):** In the M group, rFSH and cetorelix were mixed immediately before administration, whereas in the S group, rFSH and cetorelix were administered separately. **MAIN OUTCOME MEASURE(S):** The primary efficacy end point was the incidence of premature LH surge. The secondary efficacy endpoints included estradiol levels on the day of hCG injection, numbers of oocytes obtained, implantation, and ongoing pregnancy rates. The safety endpoints included ovarian hyperstimulation syndrome, and adverse events related to injections including local tolerability. **RESULT(S):** Excluding eight patients who dropped out of the study, there were 66 patients in each group for analysis. Patients in the M group received significantly fewer injections than patients in the S group (9.1 vs. 13.9). Other outcome parameters, including incidences of premature LH surge, numbers of oocytes retrieved, fertilization, implantation, and ongoing pregnancy rates were similar between the two groups. **CONCLUSION(S):** Cetorelix and rFSH can be mixed together without compromising their reported safety and efficacy. This observation is in line with the reported safety and efficacy profile of the products listed in their current package inserts. Copyright (c) 2010 American Society for Reproductive Medicine. Published by Elsevier Inc. All rights reserved.