

**Application of GnRH antagonist in combination
with clomiphene citrate and hMG for patients
with exaggerated ovarian response in
previous IVF/ICSI cycles**

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摘要

Abstract

Purpose: To investigate if the combination of clomiphene citrate, hMG, and cetorelix (CC/hMG/cetorelix protocol) can be applied to patients who had excessive response to GnRHa long protocol. Methods: Fifty patients who coasted and failed to conceive in their first cycles stimulated with GnRHa long protocol were stimulated with CC/hMG/cetorelix protocol. The peak serum estradiol levels, the need of coasting and prolonged coasting (≥ 4 days), and the incidences of OHSS were compared. Results: The peak estradiol level was significantly lower with CC/hMG/ cetorelix protocol compared to GnRHa long protocol. With CC /hMG/cetorelix protocol, only four patients (8%) needed coasting and no one coasted ≥ 4 days. In contrast, in the first cycles, 11 patients (22%) needed coasting ≥ 4 days . The incidence of moderate OHSS was significantly lower with CC/hMG/ cetorelix protocol. Conclusions: The CC/hMG/ cetorelix protocol is an acceptable alternative protocol for patients who had excessive response to GnRHa long protocol