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Abstract

**Background:** infertility is a common problem among women, we also know thyroid dysfunction has a higher incidence among women, and thyroid function has important impact on pregnancy and its outcome. Women who undergo ART are exposed to supra physiological hormonal environment, which can affect the hypothalamus- pituitary - thyroid axis function. Understanding these changes can help us improve the outcomes of ART. In previous studies a significant rise of TSH after ovarian stimulation during IVF was observed. In this study we discuss the changes of thyroid hormone levels during ovarian stimulation as part of Intra uterine Insemination (IUI).