

Role of Kisspeptin in Human Female Reproduction:
A Systematic Review

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ADMINISTRATIVE INFORMATION

Support - None.

Review Stage at time of this submission - Formal screening of search results against eligibility criteria.

Conflicts of interest - None declared.

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Amendments - This protocol was registered with the International Platform of Registered Systematic Review and Meta-Analysis Protocols (INPLASY) on 3 March 2025 and was last updated on 5 May 2025.

INTRODUCTION

Review question / Objective To investigate the role of Kisspeptin on human ovarian stimulation and maturation.

Condition being studied Infertility, Assisted reproductive technology (ART).

METHODS

Participant or population Healthy women and women with infertility.

Intervention Injection of Kisspeptin and kisspeptin agonist.

Comparator hCG, GnRH agonist, decapeptyl.

Study designs to be included Clinical trials, cross-sectional studies.

Eligibility criteria Premenopausal women with or without infertility.

Information sources Google scholar, PubMed.

Main outcome(s) Ovarian stimulation, LH surge.

Quality assessment / Risk of bias analysis ROBIS.

Strategy of data synthesis Description of results of studies included.

Subgroup analysis None.

Sensitivity analysis None.

Country(ies) involved Pakistan.

Keywords Kisspeptin, infertility, IVF, ICSI, OHSS.

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