

CZH/4/1083 - Endogenous and Exogenous Sex Steroid Hormones for the Primary and Secondary Prevention of Asthma and Allergy in Women: A systematic Review and Meta-Analysis

Background: Asthma is both more common and severe in woman than in men. This may, at least in part, be due to the effects of female sex steroid hormones. Synthesis of this evidence is now required in order to better understand the effects of the sex steroid hormones on asthma and allergy outcomes.

Aim: To investigate the role of endogenous and exogenous sex steroid hormones in the development and clinical expression of asthma and allergy in women, and the investigate the effectiveness of hormonal contraceptives and hormone replacement therapy for the secondary prevention of asthma in women.

Methods: Systematic review and meta-analysis of published and unpublished studies.

Implications: In addition to providing clearer insight into the role of sex hormones in the development of asthma and allergy in women, this synthesis will inform the basis for initiating secondary prevention interventions and hormonal-based management strategies.