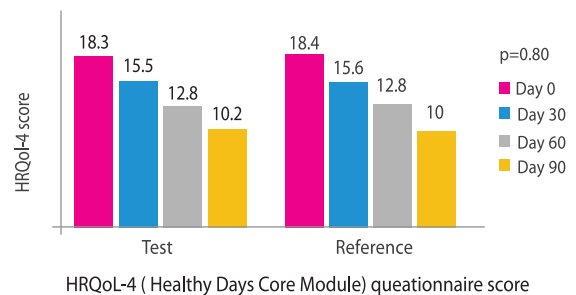
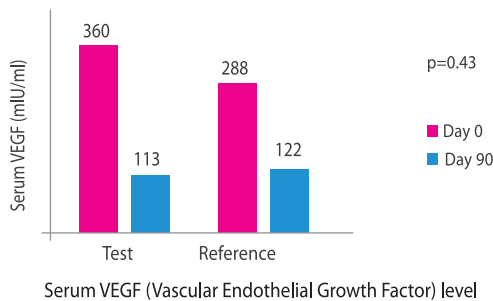
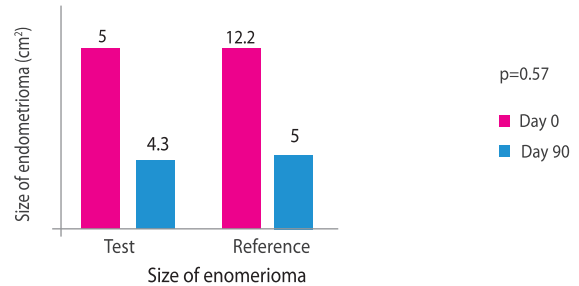
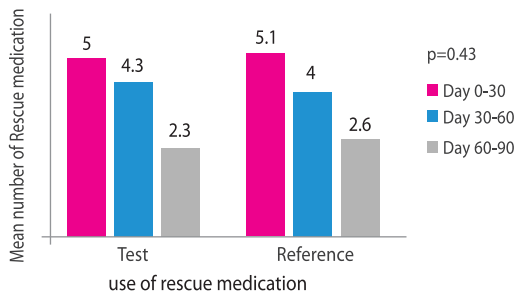


Clinical role of dydrogesterone in reducing endometriosis-associated pelvic pain, improving lesion and quality-of-life parameters

- Endometriosis is a chronic inflammatory estrogen-dependent disorder associated with pelvic pain, dysmenorrhea, dyspareunia, endometrioma formation, and reduced quality of life.
- Long-term medical therapy is recommended for symptomatic patients, with progestogens considered first-line hormonal treatment in most guidelines.

Study design		Prospective, randomized, double-blind, multicenter Phase III trial	
Duration		Patients	Primary outcome
90 days		228 women (18–45 yrs) with ultrasound-confirmed endometriosis	Change in Endometriosis-Associated Pelvic Pain (EAPP) - VAS (Visual Analogue Scale)



Dydrogesterone demonstrates significant reduction in endometriosis-associated pelvic pain, along with reductions in endometrioma size, VEGF levels, and rescue analgesic use, with a favorable safety profile.

Ref.: Sasikala T, et al. A multicentre phase III study comparing efficacy and safety of dydrogesterone in Indian patients with endometriosis. Int J Reprod Contracept Obstet Gynecol. 2024.

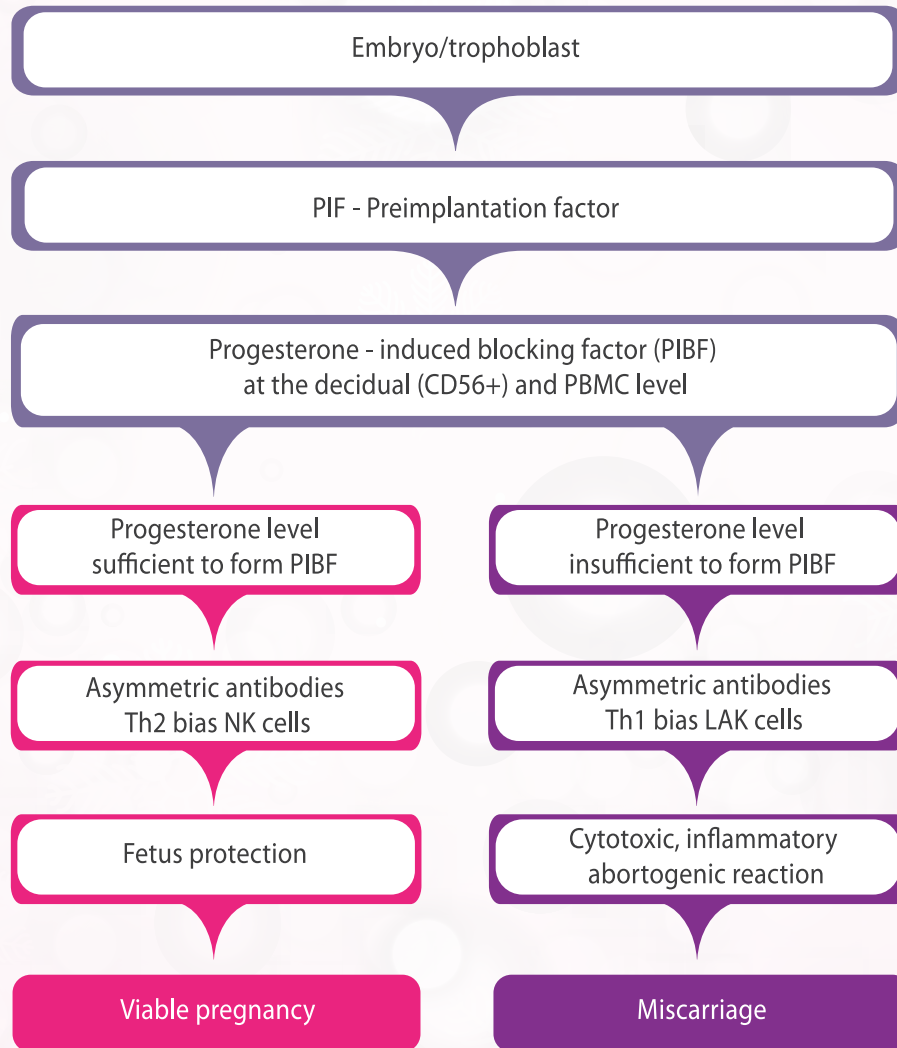
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The role of progesterone in maintaining pregnancy



Progesterone is an essential hormone in achieving implantation and maintaining a healthy early pregnancy based on different mechanisms such as modulation of maternal immune response and suppression of the inflammatory response, reduction of uterine contractility, improvement of utero-placental circulation and luteal phase support.



LAK cells: Lymphokine activated killer cell; NK: Natural killer cells; PBMC: Peripheral blood mononuclear cells

Figure: The pivotal role of progesterone receptor-mediated immunomodulation in successful pregnancy.

Ref: Nakamura, O., Children's immunology, what can we learn from animal studies (1): Decidual cells induce specific immune system of feto-maternal interface. J Toxicol Sci, 2009. 34 Suppl 2: p. Sp331-9



for Prescribing Information