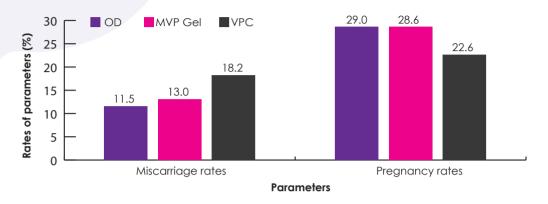


Debate Point

Dydrogesterone is effective for luteal phase support in ART cycles

Comparison of efficacy of dydrogesterone with MVP gel and VPC in fresh cycle IVF1



Dydrogesterone is a favourable drug for LPS in fresh cycle IVF women

Abbreviation: OD: Oral dydrogesterone, LPS: Luteal phase support, MVP: Micronized vaginal progesterone, VPC: Vaginal progesterone capsules

Dydrogesterone for luteal phase support in ART cycles²⁻⁷

Assisted reproductive technologies (ART) result in luteal phase deficiency which is identified by inadequate progesterone production²

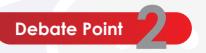
Dydrogesterone has high progesterone receptor selectivity Dydrogesterone is associated with good tolerability and bioavailability (28%)

Oral dydrogesterone is the new standard for luteal phase support in fresh transfer IVF cycles

CONCLUSION

ydrogesterone treatment leads to comparatively higher pregnancy rates and lower miscarriage rates in fresh IVF cycles.

References: 1. Ganesh A, Chakravorty N, Mukherjee R, Goswami S, Chaudhury K, Chakravarty B. Comparison of oral dydrogestrone with progesterone gel and micronized progesterone for luteal support in 1,373 women undergoing in vitro fertilization: a randomized clinical study. Fertil Steril. 2011;95(6):1961-5. 2. Mohammed A, Woad KJ, Mann GE, Craigon J, Raine-Fenning N, Robinson RS. Evaluation of progestogen supplementation for luteal phase support in fresh in vitro fertilization cycles. Fertility and Sterility. 2019;112(3):491-502e3. 3. Panagiotis D, Caroline R, Michel DV, Shari M, AnnaLisa R, Herman T, Christophe B.The Future of Luteal Phase Support in ART and the Role of Dydrogesterone. Frontiers in Reproductive Health. 2021;2. 4. Griesinger G, Blockeel C, Tournaye H. Oral dydrogesterone for luteal phase support in fresh in vitro fertilization cycles: a new standard? FertilSteril. 2018;109(5):756-762. 5. Griesinger G, Blockeel C, Sukhikh GT, Patki A, Dhorepatil B, Yang DZ, Chen ZJ, Kahler E, Pexman-Fieth C, Tournaye H. Oral dydrogesterone versus intravaginal micronized progesterone gel for luteal phase support in IVF: a randomized clinical trial. Hum Reproductive depressed support in 1972-198. Some versus intravaginal micronized progesterone gel for luteal phase support in 1972-198. Hum Reproductive outcomes in IVF with oral dydrogesterone for luteal phase support: A systematic review and individual participant data meta-analysis. PLoS One. 2020;15(11):e0241044. 7. Netter A, Mancini J, Buffat C, Agostini A, Pernin J, Courbiere B. Do early luteal serum progesterone levels predict the reproductive outcomes in IVF with oral dydrogesterone for luteal phase support: PLoS One. 2019;14(7):e0220450.



Oral route of administration (of dydrogesterone) is associated with higher tolerability than other routes in luteal phase defect^{1,2}

About 10.5% of patients report vaginal discharge or irritation with MVP

Dydrogesterone has a significantly more acceptance rate due to better tolerability compared to MVP (p<0.05)

Patient tolerability is higher when **longer treatment** required with dydrogesterone

Oral route is preferred more than vaginal route

> More costeffectiveness



Advantages of dydrogesterone in fresh cycle IVF1,3,4



Comparatively superior preanancy rates in fresh cycle IVF





Lower miscarriage



Lesser side effects

CONCLUSION

ydrogesterone is a front-line standard in fresh IVF cycles and its oral route confers higher tolerability than other routes in luteal phase defect.

- 1. Griesinger G, Blockeel C, Tournaye H. Oral dydrogesterone for luteal phase support in fresh in vitro fertilization cycles: a new standard? FertilSteril. 2018;109(5):756-762.
- 2. Chakravarty BN, Shirazee HH, Dam P, Goswami SK, Chatterjee R, Ghosh S. Oral dydrogesterone versus intravaginalmicronised progesterone as luteal phase support in assisted reproductive technology (ART) cycles: results of a randomised study. J Steroid BiochemMol Biol. 2005;97(5):416-20.
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In Recurrent Pregnancy Loss, Threatened Abortion & Infertility due to Luteal Phase Insufficiency

Dydrogesterone 10 mg Tab.

— Better for sure —

5.6 times better oral bioavailability¹

1.5 times better **affinity to Progesterone**Receptors²

Up to 20 times more Potent³

2 times reduction in the risk of miscarriages⁴

44% better **pregnancy rate** in Luteal Phase Defect⁵

Better Patient Satisfaction rate with less side effects⁶





25%

Economical price compare to innovator

1. Stanczyk FZ, et al. Endocr Rev 2013; 34(2):171-208 · 2. Indian Journal of Obstetrics and Gynecology Research 2016;3(2):157-166 · 3. Endocr Rev. 2013 Apr; 34(2): 171-208 · 4. Gynecol Endocrinol 2007;23:68-72 · 5. Gynecol Endocrinol, 2016; 32(2): 97-106 · 6. Iran J Reprod Med. 2015 Jul; 13(7): 433-438. · *PB - Photon Bombardment

INDICATIONS AND DOSAGE: Infertility as a result of corpus luteum insufficiency, Threatened abortion, Habitual abortion. Please refer full prescribing information. FOR FURTHER INFORMATION. DOSAGE AND METHOD OF ADMINISTRATION: Infertility as a result of corpus luteum insufficiency; 1 tablet of Dydrogesterone a day from the 14th to the 25th day of the cycle. Treatment should be continued for at least 6 consecutive cycles. It is advisable to continue this treatment for the first months of any pregnancy at dosages as indicated for habitual abortion. Threatened abortion: Starting dose: 4 tablets of Dydrogesterone at once followed by 1 tablet of Dydrogesterone mg every 8 hours. Dosages of 10 mg several times a day should be spread over the day. It is recommended that treatment should start at the highest dose. If the symptoms persist or recur during the treatment, the dose should be increased by 1 tablet of Dydrogesterone every 8 hours. The effective dose should be maintained for one week after symptoms have ceased; it can then be gradually reduced. If the symptoms recur, the treatment should be resumed immediately at the effective dose. Habitual abortion: 1 tablet of Dydrogesterone a day up to the 20th week of pregnancy; the dose can then be gradually reduced. Treatment should preferably be started before conception. If the symptoms of threatened abortion occur during treatment, treatment should be continued as described for that indication. CONTRAINDICATION: hypersensitive to the active substance or to any of the excipients, have a known or suspected progestogen dependent neoplasm, have undiagnosed vaginal bleeding, are using this medicine to prevent endometrial hyperplasia, specifically if also taking oestrogens. WARNINGS AND PRECAUTIONS: The cause of abnormal bleeding must be investigated before prescribing this medication. Treatment with Dydrogesterone has infrequently been associated with alterations in liver function, sometimes accompanied by clinical symptoms. If known case of acute liver disease, or has a his