



Merck

Merck Serono SA

Aubonne Branch

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CH-1267 Coinsins

COORDINATOR

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IDENTIFICATION OF THE COMPONENT

ERP component code:

N7541401C

Local product name:

PERGOVERIS

Strength (s):

150 iu/75 iu

TECHNICAL DATA

Packaging site:

Merck Serono Aubonne

Technical layout ref:

PIL C\_560 x 160 V01

COLOURS

Printed colour(s)

Black (+15% halftone value)

Technical information(s)

Keyline

FONT SIZE

Regul. text min. font size:

9 pt

BARCODE

Bar code type:

Code 128 B

Alpha numeric content:

N7541401C

Spotmark:

n/a

VARIABLE DATA

Online printed prefixes

n/a

Online printed datamatrix

n/a

Prefixes in English

Original Prefixes

Date Format

1.

n/a

n/a

n/a

2.

n/a

n/a

n/a

3.

n/a

n/a

n/a

AGENCY

n/a

TRACEABILITY (VERSIONS)

Vx

Date

Designer

01

06.04.2017

Yolanda Perdicaro

02

n/a

n/a

03

n/a

n/a

04

n/a

n/a

05

n/a

n/a

Undesirable effects

Within each frequency grouping, undesirable effects are presented in order of decreasing seriousness.

Nervous system disorders	Very Common (≥1/10) Common (≥1/100 to <1/10)	Headache Somnolence
Respiratory, thoracic and mediastinal disorders	Very rare (<1/10,000)	Exacerbation or worsening of asthma
Gastrointestinal disorders	Common (≥1/100 to <1/10)	Abdominal pain and gastrointestinal symptoms such as nausea, vomiting, diarrhoea, abdominal cramps and bloating
Vascular disorders	Very rare (<1/10,000)	Thromboembolism, usually associated with severe ovarian hyperstimulation syndrome (OHSS)
General disorders and administration site conditions	Very Common (≥1/10)	Mild to severe injection site reaction (pain, redness, bruising, swelling and/ or irritation at the site of injection)
Immune system disorders	Very rare (<1/10,000)	Mild systemic allergic reactions (e.g. mild forms of erythema, rash, facial swelling, urticaria, oedema, difficulty breathing). Serious cases of allergic reactions, including anaphylactic reactions, have also been reported.
Reproductive system and breast disorders	Very Common (≥1/10)	Ovarian cysts
	Common (≥1/100 to <1/10)	Breast pain, pelvic pain, mild to moderate OHSS
	Uncommon (≥1/1,000 to <1/100)	Severe OHSS
	Rare (≥1/10,000 to <1/1,000)	Ovarian torsion, a complication of OHSS

Overdose

The effects of an overdose of Pergoveris are unknown. Nevertheless one could expect ovarian hyperstimulation syndrome to occur, which is further described in special warnings and precautions for use.

PHARMACOLOGICAL PROPERTIES

Pharmacodynamic properties

Pharmacotherapeutic group: Gonadotrophins, ATC code: G03GA05 / G03GA07.

Pergoveris is a preparation of follicle stimulating hormone and luteinising hormone produced by genetically engineered Chinese Hamster Ovary (CHO) cells.

In clinical trials the efficacy of the combination of follitropin alfa and lutropin alfa has been demonstrated in women with hypogonadotropic hypogonadism.

In the stimulation of follicular development in anovulatory women deficient in LH and FSH, the primary effect resulting from administration of lutropin alfa is an increase in oestradiol secretion by the follicles, the growth of which is stimulated by FSH. In one clinical study of women with hypogonadotrophic hypogonadism and an endogenous serum LH concentration below 1.2 IU/L the appropriate dose of r-hLH (lutropin alfa) was investigated. A dose of 75 IU r-hLH daily (in combination with 150 IU follitropin alfa (r-hFSH)) resulted in adequate follicular development and oestrogen production. A dose of 25 IU r-hLH daily (in combination with 150 IU follitropin alfa) resulted in insufficient follicular development. Therefore, administration of less than one vial of Pergoveris daily may provide too little LH-activity to ensure adequate follicular development.

Pharmacokinetic properties

Follitropin alfa and Lutropin alfa have shown the same pharmacokinetic profile as follitropin alfa and lutropin alfa separately.

Follitropin alfa

Following intravenous administration, follitropin alfa is distributed to the extracellular fluid space with an initial half-life of around 2 hours and eliminated from the body with a terminal half-life of about one

day. The steady state volume of distribution and total clearance are 10 l and 0.6 l/h, respectively. One-eighth of the follitropin alfa dose is excreted in the urine.

Following subcutaneous administration, the absolute bioavailability is about 70%. Following repeated administration, follitropin alfa accumulates 3-fold achieving a steady-state within 3-4 days. In women whose endogenous gonadotrophin secretion is suppressed, follitropin alfa has nevertheless been shown to effectively stimulate follicular development and steroidogenesis, despite unmeasurable LH levels.

Lutropin alfa

Following intravenous administration, lutropin alfa is rapidly distributed with an initial half-life of approximately one hour and eliminated from the body with a terminal half-life of about 10-12 hours. The steady state volume of distribution is around 10-14 l. Lutropin alfa shows linear pharmacokinetics, as assessed by AUC which is directly proportional to the dose administered. Total clearance is around 2 l/h, and less than 5% of the dose is excreted in the urine. The mean residence time is approximately 5 hours.

Following subcutaneous administration, the absolute bioavailability is approximately 60%; the terminal half-life is slightly prolonged. The lutropin alfa pharmacokinetics following single and repeated administration of lutropin alfa are comparable and the accumulation ratio of lutropin alfa is minimal. There is no pharmacokinetic interaction with follitropin alfa when administered simultaneously.

Preclinical safety data

Non-clinical data reveal no special hazard for humans based on conventional studies of safety pharmacology, repeated dose toxicity and genotoxicity.

PHARMACEUTICAL PARTICULARS

List of excipients

Powder:

Sucrose  
Polysorbate 20  
Methionine  
Disodium phosphate dihydrate  
Sodium dihydrogen phosphate monohydrate  
Phosphoric acid, concentrated for pH adjustment  
Sodium hydroxide for pH adjustment

Solvent:

Water for Injections

Incompatibilities

This medicinal product must not be mixed with other medicinal products except follitropin alfa.

Special precautions for storage

Keep out of reach of children  
Do not store above 30°C.  
Store in the original package in order to protect from light.

Pack Sizes

The product is supplied in pack sizes of 1, 3 and 10 vials with the corresponding number of 1, 3 and 10 vials of solvent.  
Not all pack sizes may be marketed.

Special precautions for disposal and other handling

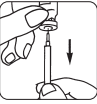
For single use only.  
Pergoveris must be reconstituted with the solvent before use.

The reconstituted solution should not be administered if it contains particles or is not clear.  
Pergoveris may be mixed with follitropin alfa and co-administered as a single injection.

Any unused medicinal product or waste material should be disposed of in accordance with local requirements.

If you administer Pergoveris to yourself, please carefully read the following instructions:

- Wash your hands. It is important that your hands and the items you use be as clean as possible.
- Assemble and lay out on a clean surface everything you need: one vial containing Pergoveris powder, one solvent vial, two alcohol swabs, one syringe, one needle for reconstitution and a fine bore needle for subcutaneous injection, sharp container



- Remove the protective cap from the solvent vial. Attach the reconstitution needle to the syringe and draw up some air into the syringe by pulling the plunger to approximately the 1 ml mark. Then, insert the needle into the vial, push the plunger to expel the air, turn the vial upside down and gently draw up all the solvent. Set the syringe down carefully on the work-surface taking care not to touch the needle.



- Prepare the injection solution: Remove the protective cap from the Pergoveris powder vial, pick up your syringe and slowly inject the solvent into the vial of powder. Swirl gently without removing the syringe. Do not shake. After the powder has dissolved (which usually occurs immediately), check that the resulting solution is clear and does not contain any particles. Turn the vial upside down, gently draw the solution back into the syringe.



- Change the needle for the fine bore needle and remove any air bubbles: If you see air bubbles in the syringe, hold the syringe with the needle

pointing upwards and gently flick the syringe until all the air collects at the top. Push the plunger until the air bubbles are gone.

- Immediately inject the solution: Your doctor or nurse will have already advised you where to inject (e.g. tummy, front of thigh). Wipe the chosen area with an alcohol swab. Firmly pinch the skin together and insert the needle at a 45° to 90° angle using a dart-like motion. Inject under the skin, as you were taught. Do not inject directly into a vein. Inject the solution by pushing gently on the plunger. Take as much time as you need to inject *all* the solution. Immediately withdraw the needle and clean the skin with an alcohol swab using a circular motion.
- Dispose of all used items: Once you have finished your injection, immediately discard all needles and empty glass containers in the sharp container provided. Any unused solution must be discarded.

Manufacturer

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1170 Aubonne, Switzerland

This leaflet was last approved in March 2016.