

Scheduling status: **S3**

Proprietary name and dosage form:

LEVETTE® Film-Coated Tablets

Composition:

21 yellow (active) film-coated tablets:

Each film-coated tablet contains 0,15 mg levonorgestrel and 0,03 mg ethinylestradiol.

Excipients: Lactose monohydrate, povidone K-30, crospovidone, magnesium stearate, polyvinyl alcohol, titanium dioxide, polyethylene glycol, talc, iron oxide yellow.

7 white placebo (inactive) film-coated tablets:

The tablets do not contain active substances.

Excipients: Lactose anhydrous, povidone K-30, magnesium stearate, polyvinyl alcohol, titanium dioxide, polyethylene glycol, talc.

Pharmacological classification:

A 18.8 Ovulation Controlling Agents.

Pharmacological action:

Pharmacodynamic properties:

The contraceptive effect of combined oral contraceptives (COCs) is based on the interaction of various factors, the most important of which are the inhibition of ovulation by suppression of the mid-cycle surge of luteinising hormone, changes in the endometrium, preventing implantation and thickening of cervical mucus, impairing sperm penetration.

Pharmacokinetic properties:

Levonorgestrel:

Absorption: Orally administered levonorgestrel is well absorbed from the gastrointestinal tract. Oral bioavailability is approximately 100 %. Peak serum concentration is reached within 1–4 hours following oral administration.

Distribution: Levonorgestrel is highly bound to plasma proteins: 42 to 68 % to sex hormone binding globulin (SHBG) and 30 to 56 % to albumin. The proportion bound to SHBG is higher when it is given with an oestrogen.

Metabolism: Levonorgestrel is metabolised in the liver to sulfate and glucuronide conjugates.

Elimination: Levonorgestrel is metabolised before being excreted. Its metabolites are excreted primarily in the urine (60 %) and to a lesser extent in the faeces (40 %). The elimination half-life for levonorgestrel is approximately 24 hours.

Steady-state conditions: During the continuous use of LEVETTE, serum levonorgestrel levels increase about three- to fourfold in the second half of the treatment cycle, as soon as steady-state conditions have been reached. The pharmacokinetics of levonorgestrel is influenced by SHBG levels in serum, which increase by 1,7-fold after daily ingestion of a COC containing levonorgestrel. This effect leads to a reduction of the clearance rate to about 0,7 ml/min/kg at steady state.

Ethinylestradiol:

Absorption: Orally administered ethinylestradiol is well absorbed from the gastrointestinal tract. Absolute bioavailability as a result of pre-systemic conjugation and first- pass metabolism is approximately 40 %. Peak serum concentration is reached within 1 - 2 hours following oral administration.

Distribution: Ethinylestradiol is highly protein bound, but unlike naturally occurring oestrogens, which are mainly bound to SHBG, it is principally bound to serum albumin (approximately 98,5 %). Ethinylestradiol induces an increase in the serum concentrations of SHBG.

Metabolism: Ethinylestradiol is metabolised in the liver initially by aromatic hydroxylation catalysed by cytochrome P450 isoenzyme CYP3A4, to form 2- hydroxy-ethinylestradiol and various conjugated metabolites.

Elimination: Ethinylestradiol levels in serum decrease in two phases characterised by half-lives of about 1 hour and 10-20 hours, respectively. Ethinylestradiol is not excreted in unchanged form. Its metabolites are excreted in urine (40 %) and faeces (60 %). The half-life of ethinylestradiol is about 1 day.

Steady-state conditions:

Steady-state conditions are reached after 3 - 4 days when serum ethinylestradiol levels are higher by 30 % to 40 % as compared to single dose.

Indications:

- Oral contraception.
- Control of dysfunctional uterine bleeding.
- Symptomatic treatment of primary dysmenorrhoea where contraception is also desired.

Contra-indications:

LEVETTE is contra-indicated in any of the conditions listed below. Should any of the conditions appear for the first time during LEVETTE use, it must be stopped immediately.

- Presence or history of venous thrombosis (deep vein thrombosis, pulmonary embolism).
- Presence or history of arterial thrombosis (myocardial infarction) or prodromal conditions (e.g. angina pectoris and transient ischaemic attack).
- Presence or history of cerebrovascular accident.
- The presence of severe or multiple risk factor(s) for arterial thrombosis:
 - Diabetes mellitus with vascular symptoms.
 - Severe hypertension.
 - Severe dyslipoproteinaemia.
- History of migraine with focal neurological symptoms, such as aura.
- Presence or history of severe hepatic disease as long as liver function values have not returned to normal.
- Presence or history of liver tumours.
- Known or suspected oestrogen-dependent malignancies (e.g. of the genital organs or the breasts).
- Undiagnosed vaginal bleeding.
- Known or suspected pregnancy (see PREGNANCY AND LACTATION) or a history during pregnancy of pruritus or cholestatic jaundice, chorea, herpes gestationis, pemphigoid gestationis, or deteriorating otosclerosis.
- Hypersensitivity to the active substances or to any of the excipients of LEVETTE.
- Hereditary or acquired predisposition for venous or arterial thrombosis.
- Amenorrhoea of unknown cause.

Warnings and Special Precautions:

Cigarette smoking:

Smoking cigarettes increases the risk of serious cardiovascular adverse reactions from combined oral contraceptive (COC) use such as LEVETTE. This risk increases with age and the extent of smoking (15 or more cigarettes per day was associated with a significantly increased risk) and is marked in women over 35 years of age. Women who use LEVETTE should be strongly advised not to smoke.

Thromboembolic diseases and other vascular disorders:

Some epidemiological studies have suggested an association between the use of COCs such as LEVETTE and an increased risk of venous and arterial thrombotic and thromboembolic diseases such as myocardial infarction, cerebrovascular accident/stroke, deep venous thrombosis and pulmonary embolism.

The use of COCs such as LEVETTE is associated with an increased risk of venous and arterial thrombotic and thromboembolic events compared with no use. The increased risk is highest during the first year a woman ever uses a COC.

Symptoms of venous or arterial thrombotic/thromboembolic events can include:

- Unusual leg pain and/or swelling in one leg.
- Sudden severe pain in the chest, whether or not it radiates to the left arm.
- Sudden breathlessness.
- Sudden onset of coughing.
- Any unusual, severe, prolonged headache.
- First occurrence or worsening of migraine.
- Sudden partial or complete loss of vision.
- Diplopia.
- Slurred speech or aphasia.
- Vertigo.
- Collapse with or without focal seizure.
- Weakness or very marked numbness suddenly affecting one side or one part of the body.
- Motor disturbances.
- “Acute” abdomen.

Occurrence of one or more of these symptoms may be a reason for immediate discontinuation of LEVETTE.

The risk for venous thromboembolic complications in LEVETTE users increases with:

- Increasing age.
- A positive family history (venous thromboembolism in a sibling or parent at relatively early age). If a hereditary predisposition is suspected, the woman should be referred to a specialist for advice before deciding about LEVETTE use.
- Prolonged immobilisation, major surgery, any surgery to the legs, or major trauma. In these situations it is advised to discontinue LEVETTE use (in the case of elective surgery at least four weeks in advance) and not resume until two weeks after complete remobilisation. Antithrombotic treatment should be considered if the tablets have not been discontinued in advance.
- Obesity (body mass index over 30 kg/m²).
- There is no consensus about the possible role of varicose veins and superficial thrombophlebitis in the onset or progression of venous thrombosis.

The risk for arterial thromboembolic complications in COC such as LEVETTE users increases with:

- Increasing age.
- Smoking (women over 35 years should be strongly advised not to smoke if they wish to use a COC such as LEVETTE).
- Dyslipoproteinaemia.
- Obesity (body mass index over 30 kg/m²).
- Hypertension.
- Atrial fibrillation.
- Migraine, especially migraine with focal neurological symptoms.
- Valvular heart disease.

The presence of one serious risk factor or multiple risk factors for venous or arterial disease, respectively, can also constitute a contra-indication. The possibility of anticoagulant therapy should also be taken into account. LEVETTE users should be specifically pointed out to contact their doctors in case of possible symptoms of thrombosis. In case of suspected or confirmed thrombosis, LEVETTE use should be discontinued.

The increased risk of thromboembolism in the puerperium must be considered (see PREGNANCY AND LACTATION).

Other medical conditions which have been associated with adverse vascular events include: Diabetes mellitus, systemic lupus erythematosus, haemolytic uraemic syndrome and chronic inflammatory bowel disease (Crohn's disease or ulcerative colitis) and sickle cell disease.

An increase in frequency or severity of migraine during LEVETTE use (which may be signs of a cerebrovascular event) may be a reason for immediate discontinuation of LEVETTE.

Biochemical factors that may be indicative of hereditary or acquired predisposition for venous or arterial thrombosis include Activated Protein C (APC) resistance, hyperhomocysteinaemia, antithrombin-III deficiency, protein C deficiency, protein S deficiency, antiphospholipid antibodies (anticardiolipin antibodies, lupus anticoagulant).

Ocular lesions:

If there are signs or symptoms such as visual changes, onset of proptosis or diplopia, papilloedema, or retinal vascular lesions or optic neuritis, LEVETTE should be discontinued and the cause immediately evaluated.

Carcinoma:

Some epidemiological studies have reported an increased risk of cervical cancer in long-term users of COCs such as LEVETTE but there continues to be controversy about the extent to which this finding is attributable to the confounding effects of sexual behaviour and other factors such as human papilloma virus (HPV).

A meta-analysis of 54 epidemiological studies reported that there is a slightly increased relative risk (RR = 1,24) of having breast cancer diagnosed in women who are currently using COCs such as LEVETTE. This increased risk gradually disappears during the course of the 10 years after cessation of COC use. Because breast cancer occurs less frequently in women under 40 years of age, the excess number of breast cancer diagnoses in current and recent COC users is small in relation to the overall risk of breast cancer. The increased cancer may be due to an earlier diagnosis of breast cancer in COC users, from undergoing regular check-ups, the biological effects of COCs or a combination of the two. Breast cancers diagnosed in COC users tend to be less clinically advanced than those diagnosed in non-users of COCs.

Benign and malignant liver tumours have been reported in COC such as LEVETTE users. These tumours have led to life-threatening intra-abdominal bleeding. The possibility of a liver tumour should be considered in the differential diagnosis of women taking LEVETTE who report severe upper abdominal pain, liver enlargement or signs of intra-abdominal bleeding.

A slight increase in the relative risk of cervical cancer and cervical intraepithelial neoplasia has been observed. Given the biological influence of LEVETTE on these lesions, periodical smear tests are recommended when LEVETTE is prescribed.

In cases of undiagnosed, persistent or recurrent vaginal bleeding, appropriate diagnostic measures should be taken to eliminate the possibility of malignancy. Women with a strong familial history of breast cancer or who have breast nodules, fibrocystic disease, or abnormal mammograms should be carefully monitored.

Headache:

The onset or exacerbation of migraine or development of a headache with a new pattern that is recurrent, persistent or severe requires discontinuation of LEVETTE and evaluation of the cause.

Women with migraine (particularly migraine with aura) who take LEVETTE may be at increased risk of stroke.

Other conditions:

Women with hypertriglyceridaemia, or a family history thereof, may be at an increased risk of pancreatitis when using LEVETTE.

Women who have been treated for hyperlipidaemia should be monitored if they decide to use LEVETTE.

Small increases in blood pressure have been observed in many women taking COCs such as LEVETTE. If a sustained clinically significant hypertension develops during LEVETTE use, then it is prudent for the doctor to discontinue LEVETTE and treat the hypertension. When considered appropriate, LEVETTE use may be resumed if anti-hypertensive treatment manages to achieve normal blood pressure values. If LEVETTE is used in women with hypertension, a history of hypertension or hypertension-related conditions, such as certain kidney diseases, close monitoring is recommended, with treatment being discontinued if a significant increase in blood pressure is detected.

In women with endometrial hyperplasia, the doctor should carefully evaluate the risk- benefit relationship before prescribing LEVETTE and should carefully monitor the patient during the treatment period, carrying out periodic cervical cytology screening.

In women with hereditary angioedema, exogenous oestrogens can trigger or exacerbate angioedema symptoms.

Acute or chronic disturbances of liver function may necessitate discontinuation of LEVETTE use until the liver function values return to normal. Recurrence of cholestatic jaundice and/or cholestasis-related pruritus which previously occurred during pregnancy or previous use of sex steroids necessitates discontinuation of LEVETTE.

LEVETTE may have an effect on peripheral insulin resistance and glucose tolerance. Diabetic women should be carefully monitored while taking LEVETTE.

LEVETTE should not be used during active trophoblastic disease, or until urine and plasma gonadotrophin concentrations have returned to normal after treatment.

LEVETTE should be used with caution in those with varicose veins, and should be avoided during sclerosing treatment.

Chloasma may occasionally occur, especially in women with a history of chloasma gravidarum. Women with a tendency to chloasma should avoid exposure to the sun or ultraviolet radiation whilst taking LEVETTE.

Worsening of endogenous depression, epilepsy, Crohn's disease and ulcerative colitis have been reported during COC such as LEVETTE use. If severe depression presents, LEVETTE should be discontinued and an alternative method of contraception used. Women with a history of depression should be monitored.

Medical examinations:

Prior to the initiation or reinstatement of LEVETTE a complete medical history (including family history) should be taken. This should be guided by the contraindications and warnings and should also be repeated regularly while LEVETTE is being used. The scope and frequency of these checkups should be determined on an individual basis. In particular, the following tests should be done: blood pressure measurement, examination of the breasts, abdomen and pelvic organs, including cervical cytology, as well as determination of the relevant laboratory parameters.

Women should be informed that LEVETTE does not protect against HIV infection (AIDS) and other sexually transmitted diseases.

Reduced efficacy:

- The contraceptive efficacy of COCs such as LEVETTE may be reduced
 - if tablets are missed (see DOSAGE AND DIRECTIONS FOR USE).
 - In the event of gastrointestinal disorders (see DOSAGE AND DIRECTIONS FOR USE).
 - if certain other medicines are being taken concomitantly (see INTERACTIONS).

Herbal products containing St. John's Wort (Hypericum perforatum) should not be taken concomitantly with LEVETTE because its plasma levels may be reduced with the risk of an unexpected pregnancy and intermenstrual bleeding. An additional barrier contraceptive method (e.g. condom) is recommended (see INTERACTIONS).

Cycle control irregularities:

When using LEVETTE, intermenstrual bleeding (spotting or breakthrough bleeding) may occur, especially during the first few months of use. Therefore, the assessment of any irregular bleeding is only meaningful after an adaptation interval of about three cycles.

If bleeding irregularities persist or occur after previously regular cycles, possible non-hormonal causes should be considered and suitable diagnostic measures are indicated to exclude malignancies, infections or pregnancy. In some women, withdrawal bleeding may not occur during the placebo tablets interval. If LEVETTE has been taken according to the instructions given under DOSAGE AND DIRECTIONS FOR USE, it is unlikely that the woman is pregnant. However, if LEVETTE has not been taken according to these instructions prior to the first missed withdrawal bleed, or if two withdrawal bleeds are missed, pregnancy must be ruled out before continuing with LEVETTE use.

Effects on the ability to drive and use machines:

LEVETTE may cause headache and vertigo which may have an influence on the ability to drive and use machines. Patients should be advised to exercise caution until they know how LEVETTE affects them.

Lactose:

LEVETTE contains lactose. Patients with rare hereditary problems of galactose intolerance, the lapp lactase deficiency or glucose-galactose malabsorption should not take LEVETTE.

Interactions:

Interactions between oral contraceptives such as LEVETTE and other medicines can cause breakthrough bleeding, menstrual irregularities, and/or contraceptive failure.

The following medicinal products may lead to reduced absorption of LEVETTE:

- Medicines that increase gastrointestinal motility.
- Antacids (mainly those which contain magnesium).
- Laxatives.
- Some antibiotics such as erythromycin.
- Metoclopramide.
- Medicines that induce metabolism (cytochrome P450 3A4 isoenzyme).
- Antiepileptic medicines: Hydantoin (phenytoin), barbiturates (phenobarbital), primidone, carbamazepine, oxcarbazepine, topiramate. Oral contraceptive failure and breakthrough bleeding have been reported during antiepileptic therapy. These medicines increase clearance of oral contraceptives by enzyme induction, so diminishing their effect.
- Antituberculosis medicines: Rifampicin, rifabutin.
- Others: Lansoprazole, modafinil, *Hypericum perforatum* (St. John's Wort). In the case of St. John's Wort, intermenstrual bleeding and altered menstrual bleeding has been reported in women on oral contraceptives such as LEVETTE who started taking St. John's Wort. Several pregnancies have also been reported. The metabolism- inducing effect of St. John's Wort can last for at least 2 weeks after stopping treatment.
- Medicines that reduce enterohepatic circulation.
- Penicillin and derivatives.
- Tetracyclines.
- Others.
- It has been reported that some antiretroviral medicines, such ritonavir (HIV protease inhibitor), nevirapine (non-nucleoside reverse transcriptase inhibitor) and some combinations thereof, may potentially affect hepatic metabolism.

During treatment with any of these medicines, a barrier method such as a condom should be temporarily used in addition to LEVETTE, or another method of contraception should be chosen if these medicines are going to be used for prolonged periods.

With microsomal enzyme-inducing medicines, the barrier method should be used for the duration of the concomitant administration and for 28 days after discontinuation of the medicine.

Women treated with antibiotics (except rifampicin and griseofulvin) should use the barrier method during the use of the antibiotics and until seven days after completing the course. If the antibiotic course is used longer than the active tablets in the LEVETTE pack, then the next pack of LEVETTE should be started without the usual placebo (inactive) tablet period.

Griseofulvin: Menstrual irregularities and pregnancies have been reported in women receiving oral contraceptives such as LEVETTE and griseofulvin. Additional contraceptive measures should be considered during concomitant use and after stopping griseofulvin.

The following medicinal products may increase the serum concentration of LEVETTE:

- Atorvastatin.
- Medicines which inhibit the cytochrome P450 3A4 isoenzyme, such as indinavir and fluconazole.

LEVETTE may influence the metabolism of other substances:

- Oral anticoagulants.
- Oral antidiabetics and insulin: LEVETTE reduces glucose tolerance, resulting in hyperglycaemia and possibly reducing the efficacy of oral antidiabetics and insulin.

LEVETTE may interfere with the metabolism of other medicinal products by inhibiting the microsomal hepatic enzymes or by inducing hepatic conjugation of the medicines, particularly glucuronidation. Accordingly, plasma and tissue concentration may be:

- Increased:
 - Ciclosporin: Concomitant administration with LEVETTE increases the risk of severe hepatotoxicity and raises plasma-ciclosporin trough values.
 - β-blockers: LEVETTE increases the AUC and the plasmatic concentrations of metoprolol, oxprenolol and propranolol but this is only statistically significant for metoprolol.
 - Theophylline: Oral contraceptives have been reported to decrease the clearance of theophylline by about 30 %, and serum concentrations may be increased.
 - Corticosteroids: LEVETTE may enhance the effect of corticosteroids, with budesonide less affected than prednisolone. The dose of corticosteroids may need to be reduced.
 - Fluticasone: It has been observed that concomitant treatment with fluticasone and oral contraceptives increases the risk of glaucostrioma.
 - Lidocaine (Lignocaine): Oestrogens as contained in LEVETTE reduce the lidocaine (lignocaine) binding-proteins leading to a higher free fraction of lidocaine (lignocaine).
 - Segleline: The total area under the concentration time curve for segleline given in single doses of 5 to 40 mg was raised 10- to 20-fold in women who were using oral hormonal contraceptives such as LEVETTE when compared with women receiving no other medication. It is recommended that the use of segleline and LEVETTE be avoided, or the dosage of segleline reduced.

- Decreased:
 - Analgesics: LEVETTE antagonises the actions of paracetamol and morphine, resulting in increased clearance.
 - Clofbrates: LEVETTE increases the clearance of clofbrate and antagonises its effect.
 - Lamotrigine: LEVETTE may halve plasma concentrations of lamotrigine. Some reduction in plasma concentration of levonorgestrel, and to a lesser extent ethinylestradiol, may also occur, and there have been reports of breakthrough bleeding and unexpected pregnancies. Significant adjustments in maintenance dose of lamotrigine are not required or stopped, and patients should be warned not to make changes in their LEVETTE therapy without consulting their medical practitioner.
 - Levothyroxine: LEVETTE therapy increases serum concentrations of thyroxine-binding globulin (TBG), thus increasing the amount of bound thyroxine. Normal thyroid function stimulates thyroxine synthesis to compensate for this effect and maintain normal free-thyroxine serum concentrations. In hypothyroidism, however, patients treated with exogenous levothyroxine who receive oestrogens, as contained in LEVETTE, may require an increase in levothyroxine dose.

In a pharmacokinetic study of healthy women, the area under the concentration-time curve (AUC) of both ethinylestradiol and norethisterone were reduced by bosentan, probably by enzyme induction. The possibility of contraceptive failure should be considered, and an additional or alternative method of contraception should be used during bosentan therapy.

Melatonin should not be taken with oestrogens as contained in LEVETTE, which increases melatonin concentrations through inhibition of its metabolism.

Studies with alprazolam, chlorzazepoxide, and diazepam suggest that oral contraceptives such as LEVETTE may inhibit the biotransformation of benzodiazepines metabolised by oxidation, although no significant pharmacokinetic alterations have occurred with clotazepam or triazolam. It has been noted that psychomotor impairment due to oral diazepam was greater during the menstrual pause than during the 21 – daily oral contraceptive cycle. This may have been due to an effect of oral contraceptives on diazepam absorption.

The prescribing information accompanying the concomitant medicines should be consulted in order to identify possible interactions.

Interactions with Laboratory tests:

The use of LEVETTE may influence the results of certain laboratory tests, including:

- Biochemical parameters of liver (reduced bilirubin and alkaline phosphatase), thyroid function (increased total T3 and T4 due to increased thyroxine-binding globulin (TBG), reduced free T3 resin production), adrenal cortex (increased cortisol in plasma, increased cortisol bound to globulin, reduced DHA) and renal function (increased creatinine).
- Plasma levels of carrier proteins (e.g. sex hormone binding globulin (SHBG) and lipoprotein fractions).
- Parameters of carbohydrate metabolism (glucose tolerance may be reduced), coagulation and fibrinolysis (increased prothrombin and factors VII, VIII, IX and X, decreased antithrombin III; increased norepinephrine (noradrenaline)-induced platelet aggregability).
- Decreased serum folate levels. This should be considered in women who become pregnant shortly after discontinuing LEVETTE treatment, with folic acid supplements being advisable prior to conception.

Changes generally remain within the normal laboratory range. The laboratory should be informed about oral contraceptive use.

Pregnancy and lactation:

Pregnancy:

LEVETTE should not be used during pregnancy. If the woman becomes pregnant while using LEVETTE, further intake must be stopped immediately (See CONTRA-INDICATIONS).

Lactation:

Lactation may be influenced by COCs such as LEVETTE as they may reduce the amount of breast milk and change its composition. Therefore, the use of LEVETTE is not recommended until the nursing mother has weaned her child off breast milk (see DOSAGE AND DIRECTIONS FOR USE). Small amounts of the contraceptive steroids and/or their metabolites may be excreted in breast milk (see WARNINGS and SPECIAL PRECAUTIONS regarding postpartum use).

Dosage and directions for use:

LEVETTE must be taken as directed at approximately the same time each day, if necessary with a little liquid.

Tablet taking is continuous.

One tablet is to be taken daily for 28 consecutive days following the order shown on the blister strip. Each subsequent pack is started the day after the last tablet of the previous pack.

Withdrawal bleeding usually starts on day 2 to 4 after starting the placebo (inactive) tablets (last row) and may not have finished before the next pack is started.

How to start LEVETTE:

No preceding hormonal contraceptive use (in the past month):

Tablet taking is started on day 1 of the menstrual cycle (i.e. the first day of menstrual bleeding), starting with one yellow tablet for the first 21 days followed by the placebo (inactive) white tablets for 7 days. If tablet-taking begins on day 2 - 5, an additional barrier contraceptive method (e.g. condom) should be used during the first 7 days of the first cycle.

Changing from another combined hormonal contraceptive (COC):

The use of LEVETTE should be preferably started either on the day following the usual tablet-free interval or the last placebo (inactive) tablet of the previous COC is taken, or on the day after taking the last active tablet of the previously used COC.

Changing from a progestogen-only method (minipill, injection, implant) or intrauterine system (IUS):

If the minipill was used previously, the change can take place on any day. If an implant or IUS was used previously, the change must take place on the day of removal. If an injectable contraceptive was used previously, the change must take place at the time when the next injection would be due. In each case, the use of an additional barrier contraceptive method (e.g. condom) is necessary during the first 7 days taking LEVETTE.

Following a miscarriage or a first-trimester abortion: LEVETTE may be started immediately. In such a case, no additional contraceptive measure is required.

Following childbirth or second-trimester abortion:

LEVETTE should be started 21 to 28 days after delivery or after second-trimester abortion. An additional barrier contraceptive method (e.g. condom) should be used during the first 7 days of tablet-taking if you start taking LEVETTE later. If sexual intercourse has already taken place, pregnancy should be ruled out before starting use, or the woman must wait until her first menstrual period.

For breastfeeding, see PREGNANCY AND LACTATION.

Missed tablets:

Missed tablets from the last row of the blister are placebo tablets and thus can be disregarded. However, they should be discarded to avoid unintentionally prolonging the placebo tablet phase.

The following advice only refers to missed active (yellow) tablets (rows 1-3 of the blister):

If **one tablet is missed, but remembered and taken within 12 hours** of the usual time, then contraceptive protection is not reduced. The subsequent tablets should be taken at the usual time.

If the usual tablet-taking time is missed by **more than 12 hours**, full contraceptive protection may be reduced. The following two basic rules apply when a tablet is missed:

- Tablet-taking must never be discontinued for longer than 7 days.
- Tablets must be taken regularly for a minimum of 7 days in order to effectively suppress the hypothalamic-pituitary-ovarian axis.

Therefore, the following procedures should be followed in the event that tablets are missed:

- Week 1**

The last tablet missed should be taken as soon as possible, even if this means taking 2 tablets at the same time. The remaining tablets are then taken at the usual time. In addition, a barrier contraceptive method (e.g. condom) should be used for the next 7 days. If sexual intercourse took place in the 7 days before missing the tablet, then the possibility of a pregnancy should be considered. The more tablets missed and the closer they are to the usual placebo (inactive) tablet interval, the higher the risk of pregnancy.

- Week 2**

The last tablet missed should be taken as soon as possible, even if this means taking 2 tablets at the same time. The remaining tablets are then taken at the usual time. Provided that the tablets have been taken correctly in the 7 days prior to the first missed tablet, it is not necessary to use additional contraceptive measures. However, if it is not the case and more than one tablet has been missed, additional contraceptive precautions should be used for the next 7 days.

- Week 3**

The risk of reduced reliability is imminent because of the forthcoming placebo (inactive) tablet interval. However, by adjusting the tablet-taking (dosage) schedule, reduced contraceptive protection can