#### HIGHLIGHTS OF PRESCRIBING INFORMATION

These highlights do not include all the information needed to use LO MINASTRIN<sup>™</sup> FE safely and effectively. See <u>full prescribing</u> <u>information</u> for LO MINASTRIN FE.

LO MINASTRIN FE (norethindrone acetate and ethinyl estradiol chewable tablets, ethinyl estradiol tablets and ferrous fumarate tablets), for oral use

Initial U.S. Approval: 1968

#### WARNING: CIGARETTE SMOKING AND SERIOUS CARDIOVASCULAR EVENTS

#### See full prescribing information for complete boxed warning.

- Women over 35 years old who smoke should not use Lo Minastrin Fe (<u>4</u>)
- Cigarette smoking increases the risk of serious cardiovascular events from combination oral contraceptive (COC) use (4)
- -----INDICATIONS AND USAGE-----
- Lo Minastrin Fe is an estrogen/progestin COC indicated for use by women to prevent pregnancy (1)
- The efficacy in women with a body mass index of more than 35 kg/m<sup>2</sup> has not been evaluated (<u>1, 8.8</u>)

-----DOSAGE AND ADMINISTRATION-----

- One blue tablet daily chewed and swallowed taken at the same time every day for 24 days. Follow with 8 ounces of water (2.1)
- One white tablet daily swallowed taken at the same time every day for 2 days (2.1)
- One brown tablet daily swallowed taken at the same time every day for 2 days (2.1)
- Take tablets in the order directed on the blister pack (2.1)
- Tablets may be administered without regard to meals (2.1)

#### -----DOSAGE FORMS AND STRENGTHS-----

## Lo Minastrin Fe consists of 28 tablets in the following order $(\underline{3})$ :

- 24 blue, mint-flavored, chewable tablets (active), each containing 1 mg norethindrone acetate and 10 mcg ethinyl estradiol
- 2 white tablets (active), each containing 10 mcg ethinyl estradiol
- 2 brown tablets (non-hormonal placebo) each containing 75 mg ferrous fumarate which does not serve any therapeutic purpose

-----CONTRAINDICATIONS------

A high risk of arterial or venous thrombotic diseases (4)

#### FULL PRESCRIBING INFORMATION: CONTENTS\*

# WARNING: CIGARETTE SMOKING AND SERIOUS CARDIOVASCULAR EVENTS

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  - 2.1 How to Take Lo Minastrin Fe
  - 2.2 How to Start Lo Minastrin Fe
  - 2.3 Switching from another Hormonal Method of Contraception
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- Breast cancer or other estrogen- or progestin-sensitive cancer (<u>4</u>)
- Liver tumors or liver disease (<u>4</u>)
- Undiagnosed abnormal uterine bleeding (<u>4</u>)
- Pregnancy (<u>4</u>)
- Hypersensitivity to any ingredients in Lo Minastrin Fe (4)

#### -----WARNINGS AND PRECAUTIONS-----

- Vascular risks: Stop Lo Minastrin Fe if a thrombotic event occurs. Stop at least 4 weeks before through 2 weeks after major surgery. Start no earlier than 4 weeks after delivery in women who are not breastfeeding (5.1)
- Liver disease: Discontinue if jaundice occurs (<u>5.2</u>)
- High blood pressure: If used in women with well-controlled hypertension, monitor blood pressure and stop Lo Minastrin Fe if blood pressure rises significantly (5.3)
- Carbohydrate and lipid metabolic effects: Monitor prediabetic and diabetic women taking Lo Minastrin Fe. Consider an alternative contraceptive method for women with uncontrolled dyslipidemia (5.5)
- Headache: Evaluate significant change in headaches and discontinue if indicated (5.6)
- Uterine bleeding: Evaluate irregular bleeding or amenorrhea (5.7)

#### -----ADVERSE REACTIONS------

The most common adverse reactions ( $\geq 2\%$ ) in clinical trials were nausea/vomiting, headache, bleeding irregularities, dysmenorrhea, weight change, breast tenderness, acne, abdominal pain, anxiety and depression (<u>6.1</u>)

To report SUSPECTED ADVERSE REACTIONS, contact Warner Chilcott at 1-800-521-8813 or FDA at 1-800-FDA-1088 or <u>www.fda.gov/medwatch</u>.

See <u>17</u> for PATIENT COUNSELING INFORMATION and <u>FDA-approved patient labeling</u>.

#### Revised: 7/2013

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\*Sections or subsections omitted from the full prescribing information are not listed.

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### FULL PRESCRIBING INFORMATION

#### WARNING: CIGARETTE SMOKING AND SERIOUS CARDIOVASCULAR EVENTS

Cigarette smoking increases the risk of serious cardiovascular events from combination oral contraceptive (COC) use. This risk increases with age, particularly in women over 35 years of age, and with the number of cigarettes smoked. For this reason, COCs should not be used by women who are over 35 years of age and smoke [see <u>Contraindications (4)</u>].

#### **1 INDICATIONS AND USAGE**

Lo Minastrin Fe is indicated for use by females of reproductive age to prevent pregnancy *[see <u>Clinical Studies (14)</u>].* 

The efficacy of Lo Minastrin Fe in women with a body mass index (BMI) of more than 35  $kg/m^2$  has not been evaluated.

#### 2 DOSAGE AND ADMINISTRATION

#### 2.1 How to Take Lo Minastrin Fe

To achieve maximum contraceptive effectiveness, Lo Minastrin Fe must be taken exactly as directed. Instruct patients to take one tablet by mouth at the same time every day. The blue tablet should be chewed and swallowed. The patient should drink a full glass (8 ounces) of water immediately after chewing and swallowing the blue tablet. The white tablet and the brown tablet are swallowed. Tablets must be taken in the order directed on the blister pack. Tablets should not be skipped or taken at intervals exceeding 24 hours. For patient instructions for missed tablets *[see FDA-approved patient labeling]*. Lo Minastrin Fe may be administered without regard to meals *[see <u>Clinical Pharmacology (12.3)]</u>.* 

#### 2.2 How to Start Lo Minastrin Fe

Instruct the patient to begin taking Lo Minastrin Fe on Day 1 of her menstrual cycle (that is, the first day of her menstrual bleeding) *[see FDA-approved patient labeling]*. One blue tablet should be taken daily for 24 consecutive days, followed by one white tablet daily for 2 consecutive days, followed by one brown tablet daily for 2 consecutive days. Instruct the patient to use a non-hormonal contraceptive as back-up during the first 7 days if she starts taking Lo Minastrin Fe other than on the first day of her menstrual cycle.

For postpartum women who do not breastfeed or after a second trimester abortion, Lo Minastrin Fe may be started no earlier than 4 weeks postpartum. Recommend use of a non-hormonal back-up method for the first 7 days. When COCs are used during the postpartum period, the increased risk of thromboembolic disease associated with the postpartum period

must be considered [see <u>Warnings and Precautions (5.1)</u>]. The possibility of ovulation and conception before starting COCs should also be considered.

Lo Minastrin Fe may be initiated immediately after a first-trimester abortion or miscarriage; if the patient starts Lo Minastrin Fe immediately, additional contraceptive measures are not needed.

## 2.3 Switching from another Hormonal Method of Contraception

If the patient is switching from a combination hormonal method such as:

- Another pill
- ° Vaginal ring
- ° Patch
- Instruct her to take the first blue tablet on the day she would have taken her next COC pill. She should not continue taking the tablets from her previous birth control pack, and should not skip any days between packs. If she does not have a withdrawal bleed, rule out pregnancy before starting Lo Minastrin Fe.
- If she previously used a vaginal ring or transdermal patch, she should start using Lo Minastrin Fe on the day she would have resumed the previous product.

If the patient is switching from a progestin-only method such as a:

- Progestin-only pill
- ° Implant
- ° Intrauterine system
- ° Injection

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- She may switch any day from a progestin-only pill; instruct her to take the first blue tablet on the day she would have taken her next progestin-only pill.
- If switching from an implant or injection, start the first blue tablet on the day her next injection would have been due or on the day of removal of her implant.
- If switching from an IUD, depending on the timing of removal, back-up contraception may be needed.

## 2.4 Advice in Case of Gastrointestinal Disturbances

If the patient vomits or has diarrhea (within 3 to 4 hours after she takes a blue or white tablet), she should follow the instructions in the "What to Do if You Miss Tablets" section [see <u>FDA-approved patient labeling</u>].

## **3 DOSAGE FORMS AND STRENGTHS**

Lo Minastrin Fe is available in blister packs.

Each blister pack contains 28 tablets in the following order:

- 24 blue, round, chewable, mint-flavored (active) tablets imprinted with "WC" on one side and "537" on the other and each containing 1 mg norethindrone acetate and 10 mcg ethinyl estradiol.
- 2 white, hexagonal (active) tablets imprinted with "WC" on one side and "422" on the other and each containing 10 mcg ethinyl estradiol.

• 2 brown, round (non-hormonal placebo) tablets imprinted with "WC" on one side and "624" on the other and each containing 75 mg ferrous fumarate. The ferrous fumarate tablets do not serve any therapeutic purpose.

## 4 CONTRAINDICATIONS

Do not prescribe Lo Minastrin Fe to women who are known to have the following conditions:

- A high risk of arterial or venous thrombotic diseases. Examples include women who are known to:
  - Smoke, if over age 35 [see <u>Boxed Warning</u> and <u>Warnings and Precautions (5.1)</u>]
  - Have deep vein thrombosis or pulmonary embolism, now or in the past [see <u>Warnings</u> <u>and Precautions (5.1)</u>]
  - Have cerebrovascular disease [see <u>Warnings and Precautions (5.1)</u>]
  - Have coronary artery disease [see <u>Warnings and Precautions (5.1)</u>]
  - Have thrombogenic valvular or thrombogenic rhythm diseases of the heart (for example, subacute bacterial endocarditis with valvular disease, or atrial fibrillation) [see <u>Warnings and Precautions (5.1)</u>]
  - Have inherited or acquired hypercoagulopathies [see <u>Warnings and Precautions</u> (5.1)]
  - Have uncontrolled hypertension [see <u>Warnings and Precautions (5.3)</u>]
  - Have diabetes mellitus with vascular disease [see <u>Warnings and Precautions (5.5)</u>]
  - Have headaches with focal neurological symptoms or have migraine headaches with aura [see <u>Warnings and Precautions (5.6)</u>]
    - Women over age 35 with any migraine headaches [see <u>Warnings and Precautions</u> (5.6)]
- Liver tumors, benign or malignant, or liver disease [see <u>Warnings and Precautions (5.2)</u>]
- Undiagnosed abnormal uterine bleeding [see <u>Warnings and Precautions (5.7)</u>]
- Pregnancy, because there is no reason to use COCs during pregnancy [see <u>Warnings and</u> <u>Precautions (5.8)</u> and <u>Use in Specific Populations (8.1)</u>]
- Breast cancer or other estrogen- or progestin-sensitive cancer, now or in the past[see <u>Warnings and Precautions (5.10)</u>]
- Hypersensitivity to any ingredients in Lo Minastrin Fe

## 5 WARNINGS AND PRECAUTIONS

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## 5.1 Thromboembolic Disorders and Other Vascular Problems

Stop Lo Minastrin Fe if an arterial or deep venous thrombotic event (VTE) occurs. Stop Lo Minastrin Fe if there is unexplained loss of vision, proptosis, diplopia, papilledema, or retinal vascular lesions. Evaluate for retinal vein thrombosis immediately.

If feasible, stop Lo Minastrin Fe at least 4 weeks before and through 2 weeks after major surgery or other surgeries known to have an elevated risk of VTE.

Start Lo Minastrin Fe no earlier than 4 weeks after delivery, in women who are not breastfeeding. The risk of postpartum VTE decreases after the third postpartum week, whereas the risk of ovulation increases after the third postpartum week.

The use of COCs increases the risk of VTE. However, pregnancy increases the risk of VTE as much or more than the use of COCs. The risk of VTE in women using COCs is 3 to 9 per 10,000 woman-years. The risk of VTE is highest during the first year of use of a COC. The risk of thromboembolic disease due to oral contraceptives gradually disappears after COC use is discontinued.

Use of COCs also increases the risk of arterial thromboses such as strokes and myocardial infarctions, especially in women with other risk factors for these events. COCs have been shown to increase both the relative and attributable risks of cerebrovascular events (thrombotic and hemorrhagic strokes), although, in general, the risk is greatest in older (> 35 years of age), hypertensive women who also smoke. COCs also increase the risk for stroke in women with underlying risk factors.

Use COCs with caution in women with cardiovascular disease risk factors.

## 5.2 Liver Disease

#### Impaired Liver Function

Do not use Lo Minastrin Fe in women with acute viral hepatitis or severe (decompressed) cirrhosis of the liver *[see <u>Contraindications (4)</u>]*. Acute or chronic disturbances of liver function may necessitate the discontinuation of COC use until markers of liver function return to normal and COC causation has been excluded. Discontinue Lo Minastrin Fe if jaundice develops.

#### Liver Tumors

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Lo Minastrin Fe is contraindicated in women with benign and malignant liver tumors *[see Contraindications (4) ]*. Hepatic adenomas are associated with COC use. An estimate of the attributable risk is 3.3 cases per 100,000 COC users. Rupture of hepatic adenomas may cause death through intra-abdominal hemorrhage.

Studies have shown an increased risk of developing hepatocellular carcinoma in long-term (>8 years) COC users. However, the attributable risk of liver cancers in COC users is less than one case per million users.

## 5.3 High Blood Pressure

Lo Minastrin Fe is contraindicated in women with uncontrolled hypertension or hypertension with vascular disease *[see <u>Contraindications (4)</u>]*. For women with well-controlled hypertension, monitor blood pressure and stop Lo Minastrin Fe if blood pressure rises significantly.

An increase in blood pressure has been reported in women taking COCs, and this increase is more likely in older women with extended duration of use. The incidence of hypertension increases with increasing concentrations of progestin.

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