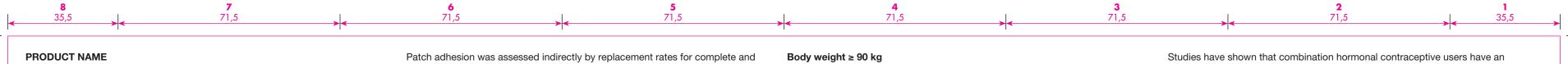
Version Number: 1.0 QMForm051768/1 PLM.14.01.F01 Abbott - Established Pharmaceuticals Division

Effective date: 05-SEP-2021 Approved date: 22-JUL-2021

Mascherina

Packag Manag	ging & Lak Jement	pel			
INVOLVED PLANT:	Gedeon Richter Plc				
PRODUCT NAME:	Evra Transdermal Pa	atch			
AFFILIATE ORIGINAT	OR: Singapore				
ORIGINATING FROM	I LCR / MKPR Numl	per: LCR-19282-202	23-DEV		
COMMODITY CODE	29435330_Leaflet	COM	MODITY TYPE: Leafle	ıt	
CUTTING GUIDES /	SIZE: 71,5x88_500	x700 mm			
PHARMACODE: N.A.					
COLORS: Black - Cutting Die					
FONT STYLE / MINIMUM FONT SIZE FOR TEXT: Helvetica Neue / 9 pt					
NOTES: N.A.					
1st draft Date 17/05/2023 Operator/Dev. Karthik.V in bid draft Date Operator/Dev. in bid draft Date Operator/Dev. Date Operator/Dev. Operator/Dev.	2nd draft Date Operator/Dev. Tri draft Date Operator/Dev. 12th draft Date Operator/Dev.	3rd draft Date Operator/Dev. 8th draft Date Operator/Dev. 13th draft Date Operator/Dev. Date Operator/Dev.	4th draft Date Operator/Dev. 9th draft Date Operator/Dev. 14th draft Date Operator/Dev.	Sth draft Date Operator/Dev. 10th draft Date Operator/Dev. 15th draft Date Operator/Dev.	
				C Abbott	



norelgestromin/ethinyl estradiol)

DOSAGE FORMS AND STRENGTHS

EVRA[®] is a thin, matrix-type transdermal patch consisting of three layers: The backing layer is composed of a beige flexible film consisting of a low-density pigmented polyethylene outer layer and a polyester inner layer. It provides structural support and protects the middle adhesive layer from the environment.

The middle layer contains polyisobutylene/polybutene adhesive, crospovidone, non-woven polyester fabric and lauryl lactate as inactive components. The active components in this layer are the hormones, norelgestromin (NGMN) and ethinyl estradiol (EE).

The third layer is the release liner, which protects the adhesive layer during storage and is removed just prior to application. It is a transparent polyethylene terephthalate (PET) film with a polydimethylsiloxane coating on the side that is in contact with the middle adhesive layer.

EVRA® is a transdermal patch containing 6 mg NGMN and 600 micrograms EE.

Each EVRA® transdermal patch has a contact surface area of 20 cm² and is designed to provide continuous delivery of NGMN and EE into the bloodstream over a sevenday duration of wear. (see Pharmacokinetic Properties.)

For excipients, see List of Excipients.

CLINICAL INFORMATION Indications

Female Contraception

Dosage and Administration

∞ 2∞

▶ 88

9 🛞

ທ 🛞

4 %

EVRA® should be applied to clean, dry, hairless, intact healthy skin on the buttock, abdomen, upper outer arm or upper torso, in a place where it will not be rubbed by tight clothing. EVRA® should not be placed on the breasts or on skin that is red, irritated or cut. To help avoid potential irritation, do not place a new patch on the same area of skin as the patch you have just removed, however, the patch may be applied within the same anatomic site.

The patch should be pressed down firmly until the edges stick well.

To prevent interference with the adhesive properties of EVRA®, no make-up, creams, lotions, powders or other topical products should be applied to the skin area where the EVRA® patch is currently placed or will be applied shortly.

It is recommended that users visually check their patch daily to ensure continued proper adhesion.

Dosage

To achieve maximum contraceptive effectiveness, EVRA® must be used exactly as directed.

Only one patch is to be worn at a time. The EVRA® patch should not be cut, damaged or altered in any way. If the EVRA® patch is cut, damaged or altered in size, contraceptive efficacy may be impaired.

Adhesion of EVRA[®] patch

Patch adhesion was assessed indirectly by replacement rates for complete and partial patch detachment. Experience with more than 70,000 EVRA® patches worn for contraception for 6-13 cycles showed that 4.7% of patches were replaced because they either fell off (1.8%) or were partly detached (2.9%). Similarly, in a small study of patch wear under conditions of physical exertion and variable temperature and humidity, less than 2% of patches were replaced for complete or partial detachment.

Special populations **Pediatrics**

Safety and efficacy of EVRA® was established in women from 18 years of age. Safety and efficacy are expected to be the same for post-pubertal adolescents and the same dosage is recommended in these subjects. Use of EVRA® before menarche is not indicated.

Not intended for use by post-menopausal women.

partial patch detachment. Experience with more than 70,000 EVRA® patches worn for contraception for 6-13 cycles showed that 4.7% of patches were replaced because they either fell off (1.8%) or were partly detached (2.9%). Similarly, in a small study of patch wear under conditions of physical exertion and variable temperature and humidity, less than 2% of patches were replaced for complete or partial detachment.

If the EVRA® patch becomes partially or completely detached and remains detached, When EVRA® was used correctly in clinical trials, the chance of becoming pregnant insufficient drug delivery occurs.

If the patch remains even partly detached:

• for less than one day (up to 24 hours), the patient should try to reapply it to the same place or replace it with a new patch immediately. No back-up contraception is needed. The woman's "Patch Change Day" will remain the same.

• for more than one day (24 hours or more) OR if the patient is not sure how long the patch has been detached, SHE MAY NOT BE PROTECTED FROM PREGNANCY. She should stop the current contraceptive cycle and start a new cycle immediately by putting on a new patch. There is now a new "Day 1" and a new "Patch Change Day." Back-up contraception must be used for the first week of the new cycle only.

A patch should not be re-applied if it is no longer sticky, if it has become stuck to itself or another surface, if it has other material stuck to it or if it has become loose or fallen off before. If a patch cannot be re-attached, a new patch should be applied immediately. Supplemental adhesives or wraps should not be used to hold the EVRA[®] patch in place.

If the patient forgets to change her patch...

• at the start of any patch cycle (Week One/Day 1): SHE MAY NOT BE PROTECTED FROM PREGNANCY. She should apply the first patch of her new cycle as soon as she remembers. There is now a new "Patch Change Day" and a new "Day 1". The patient must use back-up contraception for the first week of her new cvcle.

- in the middle of the patch cycle (Week Two/Day 8 or Week Three/Day 15), - for one or two days (up to 48 hours), she should apply a new patch immediately. The next patch should be applied on the usual "Patch Change Day". No back-up contraception is needed.
- for more than two days (48 hours or more), SHE MAY NOT BE PROTECTED FROM PREGNANCY. She should stop the current contraceptive cycle and start a new four-week cycle immediately by putting on a new patch. There is now a new "Patch Change Day" and a new "Day 1". The patient must use back-up contraception for one week.

• at the end of the patch cycle (Week Four/Day 22), Week Four (Day 22): If the patient forgets to remove her patch, she should take it off as soon as she remembers. The next cycle should be started on the usual "Patch Change Day", which is the day after Day 28. No back-up contraception is needed.

Under no circumstances should there be more than a 7-day patch-free interval between dosing cycles. If there are more than 7 patch-free days, THE PATIENT MAY NOT BE PROTECTED FROM PREGNANCY and back-up contraception must be used concurrently for 7 days. As with combined oral contraceptives, the risk of ovulation increases with each day beyond the recommended contraceptive-free period. If coital exposure has occurred during such an extended patch-free interval, the possibility of fertilization should be considered.

Change Day Adjustment

If the patient wishes to move her Patch Change Day she should complete her current contraceptives as the comparator. cycle, removing the third EVRA® patch on the correct day. During the patch-free week, a new Patch Change Day may be selected by applying a new EVRA® patch on the first occurrence of the desired day. In no case should there be more than 7 consecutive patch-free days.

Switching from an Oral Contraceptive

Treatment with EVRA® should begin on the first day of withdrawal bleeding. If there is no withdrawal bleeding within 5 days of the last active (hormone-containing) tablet, pregnancy must be ruled out prior to start of treatment with EVRA®. If therap starts after the first day of withdrawal bleeding, a non-hormonal contraceptive must be used concurrently for 7 days. If more than 7 days elapse after taking the last active oral contraceptive tablet, the patient may have ovulated. The patient should be instructed to consult a physician before initiating treatment with EVRA®. If coital exposure has occurred during such an extended patch-free interval, the possibility fertilization should be considered.

Use after Childbirth

Women who elect not to breastfeed should start contraceptive therapy with EVRA® no sooner than 4 weeks after childbirth. (see Warnings and Precautions Thromboembolic and other vascular disorders and Pregnancy and Breast-feeding.)

Analyses of phase III data suggest that EVRA® may be less effective in users with body weight \ge 90 kg than in users with lower body weights. Below 90 kg there was no association between body weight and pregnancy. General In case of undiagnosed, persistent or recurrent abnormal vaginal bleeding,

appropriate measures should be taken to rule out malignancy.

was less than 1% in the first year of use. The chance of becoming pregnant increases with dosing errors.

Pre-existing conditions

When weighing the risks/benefits of hormonal contraceptive use, the physician should be familiar with the following conditions that may increase the risk of complications associated with hormonal contraceptive use:

• Conditions which increase the risk of developing venous thrombo-embolic complications, e.g. prolonged immobilization or major surgery, leg surgery or leg cast, obesity, family history of thrombo-embolic disease, inflammatory bowel diseases such as Crohn's disease or ulcerative colitis.

- Risk factors for arterial disease, e.g. smoking, hyperlipidemia, hypertension (persistent blood pressure values \geq 140 mm Hg systolic or \geq 90 mm Hg diastolic),
- obesity, or conditions which increase the risk of arterial thromboembolic
- complications such as systemic lupus erythematosus. Severe migraine without aura
- Diabetes mellitus
- Severe depression or a history of this condition
- Presence or history of cholelithiasis
- Chronic Idiopathic Jaundice
- Family history of cholestatic jaundice (e.g. Rotor, Dubin-Johnson Syndrome)

Thromboembolic and other vascular disorders

An increased risk of thromboembolic and thrombotic disease that could lead to permanent disability or death has been associated with the use of hormonal contraceptives and is well established. Case control studies have found the relative risk of users compared to non-users to be 3 for the first episode of superficial venous thrombosis, 4 to 11 for deep vein thrombosis or pulmonary embolism, and 1.5 to 6 for users with predisposing conditions for venous thromboembolic disease. Studies have shown the relative risk to be somewhat lower, about 3 for new cases and about 4.5 for new cases requiring hospitalization. The risk of thromboembolic disease associated with hormonal contraceptives returns to baseline after the combined hormonal contraceptive (CHC) use is stopped. Venous thromboembolism (VTE) risk is highest in the first ever year of use. There is also some evidence that the risk of VTE when a CHC is re-started after ≥ 4 weeks of discontinuation is at least as high as the risk of VTE when a CHC is initially started.

Epidemiologic, case-control studies were conducted in the U.S. using healthcare claims data to evaluate the risk of VTE among women aged 15-44 who used EVRA® (a transdermal patch bioequivalent to EVRA®) compared to women who used oral contraceptives containing 30-35 mcg of ethinyl estradiol (EE) and either norgestimate (NGM) or levonorgestrel (LNG). NGM is the prodrug for norelgestromin, the progestin in EVRA[®]. These studies (see Table 1) used slightly different designs and reported odds ratios ranging from 0.9 (indicating no increase in risk) to 2.5 (indicating an approximate doubling of risk). One study (i3 Ingenix) included patient chart review to confirm the VTE occurrence. Two studies using different databases were conducted by the Boston Collaborative Drug Surveillance Program (BCDSP) with LNG-containing oral

Table 1: Estimates (Odds Ratios) of Venous Thromboembolism Risk in Current Users of EVRA® Compared to Oral Contraceptive Users

			•
	Epidemiologic Study	Comparator Product	Odds Ratio (95% C.I.)
e py	i3 Ingenix NGM	NGM/35 mcg EE ^A	Data set one: 2.5 (1.1-5.5) ^B Data set two: 1.4 (0.5–3.7) ^C Cumulative: 2.2 (1.2–4.0) ^D
st I Il / of	BCDSP NGM ^E	NGM/35 mcg EE	Data set one: $0.9 (0.5-1.6)^{F}$ Data set two: $1.1 (0.6-2.1)^{G}$ Data set three: $2.4 (1.2-5.0)^{H}$ Cumulative: $1.2 (0.9-1.8)^{I}$
, 01	BCDSP LNG (Database one) BCDSP LNG (Database two)	LNG ^J /30 mcg EE LNG/30 mcg EE	2.0 (0.9-4.1) ^ĸ 1.3 (0.8-2.0) [∟]

^A NGM = norgestimate; EE = ethinyl estradiol

^B Increase in risk of VTE is statistically significant; 33 months of data. Separate estimate from 24 months of data on new cases not included in the increased risk of developing hepatocellular carcinoma.

Gallbladder disease including cholecystitis and cholelithiasis has been reported with hormonal contraceptive use.

Carcinoma of the reproductive organs and breasts

Most studies suggest that use of hormonal contraceptives is not associated with an overall increase in the risk of developing breast cancer. Some studies have reported an increased relative risk of developing breast cancer, particularly at a younger age. This increased relative risk has been reported to be related to duration of use, before the first term pregnancy.

A meta-analysis of 54 epidemiological studies reports that users who are currently using combined hormonal contraceptives or have used them in the past 10 years are at a slightly increased risk of having breast cancer diagnosed, although the additional cancers tend to be localized to the breast. It is not possible to infer from these data whether the patterns of risk observed are due to an earlier diagnosis of breast cancer in ever-users, the biological effects of hormonal contraceptives, or a combination of both factors. This meta-analysis also suggests that the age at which users discontinue the use of combined hormonal contraceptives is an important risk factor for breast cancer; the older the age at stopping, the more breast cancers are diagnosed. Duration of use was considered less important.

The possible increase in risk of breast cancer should be discussed with users and weighed against the benefits of combined hormonal contraceptives, taking into account the evidence that they offer substantial protection against the risk of developing ovarian and endometrial cancer.

Some studies suggest that hormonal contraceptive use has been associated with an increased risk of cervical intraepithelial neoplasia in some populations of users. However, there continues to be controversy about the extent to which such findings may be due to differences in sexual behavior and other factors.

Metabolic effects

Hormonal contraceptives may cause a decrease in glucose tolerance. This effect has been shown to be directly related to estrogen dose. Progestogens increase insulin secretion and create insulin resistance. This effect varies with different progestational agents. However, in the non-diabetic woman, hormonal contraceptives appear to have no effect on fasting blood glucose. Because of these demonstrated effects. prediabetic and diabetic users in particular should be monitored carefully while using hormonal contraceptives.

A small proportion of women will have persistent hypertriglyceridemia while taking hormonal contraceptives. Changes in serum triglycerides and lipoprotein levels have been reported in hormonal contraceptive users.

Headache

As with all hormonal contraceptives, the following events require discontinuation of EVRA® and evaluation of the cause: onset or exacerbation of migraines with or without focal aura; or development of headaches with a new pattern that is recurrent, persistent or severe.

Bleeding irregularities

Breakthrough bleeding, spotting and/or amenorrhea may be encountered in users on hormonal contraceptives, especially during the first 3 months of use. Non-hormonal causes should be considered and, if necessary, adequate diagnostic measures taken to rule out organic disease or pregnancy.

Some users may experience amenorrhea or oligomenorrhea after discontinuing hormonal contraception, especially when such a condition was pre-existent.

Chloasma

Chloasma may occasionally occur with use of hormonal contraception, especially in users with a history of chloasma gravidarum. Users with a tendency to chloasma should avoid exposure to the sun or ultraviolet radiation while using EVRA®. Chloasma is often not fully reversible.

Transdermal versus oral contraceptives

Prescribers should be aware of the differences in pharmacokinetic (PK) profiles of transdermal and oral combined hormonal contraceptives and should exercise caution when making a direct comparison between these parameters. In general, transdermal patches are designed to maintain steady delivery of EE and NGMN over a seven-day period while oral contraceptives are administered on a daily basis and produce daily peaks and troughs. Inter-subject variability (%CV) for PK parameters following delivery from the patch is higher relative to the variability determined from the oral contraceptive. It is not known whether there are changes in the risk of serious adverse events based on the difference in pharmacokinetic profiles of EE in

Renal Impairment

Elderly

EVRA® has not been studied in women with renal impairment. No dose adjustment is necessary but as there is a suggestion in the literature that the unbound fraction of EE is higher, EVRA® should be used with supervision in this population.

Hepatic Impairment

EVRA® is contraindicated in this population.

Administration

To achieve maximum contraceptive effectiveness, EVRA® must be used exactly as directed.

Complete instructions to facilitate patient counseling on proper system usage may be found in the Detailed Patient Labeling.

Transdermal contraceptive system overview

This system uses a 28-day, four-week cycle. A new patch is applied each week for three weeks - 21 total days. Week Four is patch-free. Withdrawal bleeding is expected during this time. This means that every new patch will be applied on the same day of the week. This day is known as the "Patch Change Day". For example, if the first patch is applied on a Monday, all subsequent patches should be applied on a Monday. Only one patch should be worn at a time. The EVRA[®] patch should not be cut, damaged or altered in any way. If the EVRA® patch is cut, damaged or altered in size, contraceptive efficacy may be impaired.

On the day after Week Four ends a new four-week cycle is started by applying a new patch. Under no circumstances should there be more than a 7-day patch-free interval between dosing cycles.

Clinical trials demonstrated that subjects randomized to EVRA® were able to adhere to the weekly dosing regimen better than with daily dosing of oral contraceptives.

If the patient is starting EVRA® for the **first time**, she should **wait until** the day she begins her menstrual period. Either a First Day start or Sunday start may be utilized (see below). The day she applies her first patch will be Day 1. Her "Patch Change Day" will be on this day every week.

First Day Start: the patient should apply her first patch during the first 24 hours of her period. If therapy starts after Day 1 of the menstrual cycle, a non-hormonal contraceptive (such as a condom or diaphragm) should be used concurrently for the first 7 consecutive days of the first treatment cycle.

First Day Star Sunday Start

က 🎇

N 88

CHOOSE ONE OPTION

5

OR

Sunday Start: the patient should apply her first patch on the first Sunday after her period starts. She must use back-up contraception for the first week of her first cycle only. If the menstrual period begins on a Sunday, the first patch should be applied on that day. No back-up contraception is needed.

Where to apply the patch. The patch should be applied to clean, dry, intact healthy skin on the buttock, abdomen, upper outer arm or upper torso, in a place where it won't be rubbed by tight clothing. EVRA® should not be placed on skin that is red, irritated or cut, nor should it be placed on the breasts.

To prevent interference with the adhesive properties of EVRA®, no make-up, creams, lotions, powders or other topical products should be applied to the skin area where the EVRA® patch is currently placed or will be applied shortly.

Application of the EVRA® patch

The foil pouch is opened by tearing it along the edge using the fingers. A corner of the patch is grasped firmly and gently removed from the foil pouch. Sometimes patches can stick to the inside of the pouch – the patient should be careful not to accidentally remove the clear liner as she removes the patch. Then half of the clear protective liner is peeled away. The patient should avoid touching the sticky surface of the patch.

The patch is positioned on the skin and the other half of the liner is removed. The patient should press down firmly on the patch with the palm of her hand for 10 seconds, making sure that the edges stick well. She should check her patch every day to make sure it is sticking.

The patch is worn for 7 days (one week). On the "Patch Change Day", Day 8, the used patch is removed and a new one is applied immediately. The used patch still contains some active hormones it should be thrown away by carefully folding it in half so that it sticks to

Use after Abortion or Miscarriage

After an abortion or miscarriage that occurs before 20 weeks gestation, EVRA® may be started immediately. An additional method of contraception is not needed if EVRA® is started immediately. Be advised that ovulation may occur within 10 days of an abortion or miscarriage. After an abortion or miscarriage that occurs at or after 20 weeks gestation, EVRA®

may be started either on Day 21 post-abortion or on the first day of the first spontaneous menstruation, whichever comes first. The incidence of ovulation on or before day 21 post-abortion (at 20 weeks gestation) is not known.

Breakthrough Bleeding or Spotting

the first few cycles. If breakthrough bleeding persists, a cause other than EVRA® should be considered.

Two adequate and well-controlled trials demonstrated that the incidence of breakthrough bleeding and spotting with EVRA® is statistically and clinically comparable to that seen with ORTHO-CYCLEN® and TRIPHASIL®.

In the event of no withdrawal bleeding (bleeding that should occur during the patch-free week), treatment should be continued on the next scheduled Change Day. If EVRA® has been used correctly, the absence of withdrawal bleeding is not necessarily an indication of pregnancy. Nevertheless, the possibility of pregnancy should be ruled out if absence of withdrawal bleeding occurs in 2 consecutive cycles.

In Case of Vomiting or Diarrhea

Unlike oral contraceptives, dose delivery by transdermal application should be unaffected by vomiting. Dose delivery is also expected to be unaffected by diarrhea.

In Case of Skin Irritation

If patch use results in uncomfortable irritation, a new patch may be applied to a new location until the next Change Day. Only one patch should be worn at a time.

Additional instructions for dosing

Breakthrough bleeding, spotting, and amenorrhea are frequent reasons for patients discontinuing hormonal contraceptives. In cases of breakthrough bleeding, structural smoking and is quite marked in smokers over 35 years of age. Users of hormonal abnormalities and dysfunctional uterine bleeding should be considered as potential causes. In undiagnosed persistent or recurrent abnormal bleeding from the vagina, adequate diagnostic measures are indicated to rule out pregnancy or malignancy. If pathology has been excluded, time or a change to another formulation may solve the problem. Changing to a hormonal contraceptive with a higher estrogen content, while potentially useful in minimizing menstrual irregularity, should be done only if necessary since this may increase the risk of thromboembolic disease.

Use of hormonal contraceptives in the event of a missed menstrual period: 1. If the woman has not adhered to the prescribed schedule, the possibility of pregnancy should be considered at the time of the first missed period. Hormonal contraceptive use should be discontinued and a non-hormonal method should be used until pregnancy is ruled out.

2. If the woman has adhered to the prescribed regimen and misses one period, she should continue using her contraceptive patches.

3. If the woman has adhered to the prescribed regimen and misses two consecutive

Contraindications

EVRA® should not be used in women who currently have the following conditions: Presence or risk of venous thromboembolism (VTE)

- Venous thromboembolism current VTE (on anticoagulants) or history of (e.g. deep venous thrombosis [DVT] or pulmonary embolism [PE])
- Known hereditary or acquired predisposition for venous thromboembolism, such as APC-resistance, (including Factor V Leiden), antithrombin-III-deficiency, protein C deficiency, protein S deficiency
- Major surgery with prolonged immobilization (see Warnings and Precautions) • A high risk of venous thromboembolism due to the presence of multiple risk
- factors (see Warnings and Precautions).
- Presence or risk of arterial thromboembolism (ATE)
- Arterial thromboembolism current arterial thromboembolism, history of arterial thromboembolism (e.g. myocardial infarction) or prodromal condition (e.g. angina pectoris)
- Cerebrovascular disease current stroke, history of stroke or prodromal condition (e.g. transient ischaemic attack, TIA)
- · Known hereditary or acquired predisposition for arterial thromboembolism, such as hyperhomocysteinaemia and antiphospholipid-antibodies (anticardiolipin-antibodies, Hypertension lupus anticoagulant).
- · History of migraine with focal neurological symptoms.
- A high risk of arterial thromboembolism due to multiple risk factors (see Warnings) and Precautions) or to the presence of one serious risk factor such as:
- Diabetes mellitus with vascular symptoms ◦ Severe hypertension (Persistent blood pressure values of ≥ 160 mm Hg systolic
- or \geq 100 mm Hg diastolic)

- previous estimate. Cumulative odds ratio
- ^E BCDSP = Boston Collaborative Drug Surveillance Program
- Initial 36 months of data.

^G Separate estimate from 17 months of data on new cases not included in the previous estimate

¹ Separate estimate from 14 months of data on new cases not included in the previous estimates.

- Cumulative odds ratio. ^J LNG = levonorgestrel
- ^к 48 months of data.
- └ 69 months of data.

In the event of breakthrough bleeding or spotting (bleeding that occurs during EVRA® As with any combination hormonal contraceptive, the clinician should be alert to the usage), treatment should be continued. This type of bleeding usually disappears after earliest manifestations of thromboembolic disorders (thrombophlebitis, VTE including pulmonary embolism, cerebrovascular disorders, and retinal thrombosis). Should any contraceptives include: of these occur or be suspected, EVRA® should be discontinued immediately.

> A two- to four-fold increase in the relative risk of post-operative thromboembolic complications has been reported with the use of hormonal contraceptives. The relative risk of venous thrombosis in users who have predisposing conditions is twice that of users without such medical conditions. If feasible, hormonal contraceptives should be discontinued at least four weeks prior to and for two weeks after elective surgery of a type associated with an increase in risk of thromboembolism and during and following prolonged immobilization. Since the immediate postpartum or post-abortion period is also associated with an increased risk of thromboembolism, hormonal contraceptives should be started as described in • some non-nucleoside reverse transcriptase inhibitors (e.g. nevirapine) the sections Use after Childbirth and Use after Abortion or Miscarriage.

The relative risk of arterial thromboses (e.g. stroke, myocardial infarction) is increased by the presence of other predisposing factors such as cigarette smoking, hypertension, hypercholesterolemia, obesity, diabetes, history of pre-eclamptic toxemia and increasing age. Hormonal contraceptives have been associated with these serious vascular complications. The risk of vascular disease may be less severe with hormonal contraceptive formulations containing lower dosages of estrogen and progestogen, although this has not been conclusively established.

The risk of serious cardiovascular side effects increases with age and with heavy contraceptives should be strongly advised not to smoke.

Due to the vague symptomatology of many thromboembolic events, hormonal contraceptives should be discontinued in cases of suspected thromboses while diagnostic interventions are being pursued.

There have been clinical reports of retinal thrombosis associated with the use of hormonal contraceptives. Hormonal contraceptives should be discontinued if there is unexplained partial or complete loss of vision; onset of proptosis or diplopia; papilledema or retinal vascular lesions. Appropriate diagnostic and therapeutic measures should be undertaken immediately.

The use of any combined hormonal contraceptives (CHCs) increases the risk of venous thromboembolism (VTE) compared with no use. Products that contain levonorgestrel, norgestimate or norethisterone are associated with the lowest risk of VTE. Other products such as EVRA® may have up to twice this level of risk. periods, pregnancy should be ruled out before continuing hormonal contraceptive use. The decision to use any product other than one with the lowest VTE risk should be taken only after a discussion with the woman to ensure she understands the risk of VTE with EVRA®, how her current risk factors influence this risk, and that her VTE risk Changes in plasma levels of coadministered drugs is highest in the first ever year of use. There is also some evidence that the risk is increased when a CHC is re-started after a break in use of 4 weeks or more.

> In women who do not use a CHC and are not pregnant, about 2 out of 10,000 will develop a VTE over the period of one year. However, in any individual woman, the risk may be far higher, depending on her underlying risk factors.

It is estimated that out of 10,000 women who use a CHC containing norelgestromin, between 6 to 12 women will develop a VTE in one year; this compares with about 6 in women who use a levonorgestrel-containing CHC.

 voriconazole Studies have suggested that the incidence of VTE in women who used EVRA® is up to 2-fold higher than in users of CHCs that contain levonorgestrel. Examples of drugs whose plasma levels may be decreased (due to induction of

Extremely rarely, thrombosis has been reported to occur in other blood vessels, e.g. hepatic, mesenteric, renal or retinal veins and arteries, in CHC users.

An increase in blood pressure (BP) has been reported in some users taking hormonal contraceptives. Studies indicate that this increase is more likely to occur in older hormonal contraceptive users and with extended duration of use. For many users, elevated blood pressure will return to normal after they stop taking hormonal contraceptives. There is no difference in the occurrence of hypertension between former and never users. In three contraception trials of EVRA® (n = 1530, n = 819, and n = 748, respectively) mean changes from baseline in systolic and diastolic

women using EVRA® compared with women using oral contraceptives containing 35 micrograms of EE. Increased estrogen exposure may increase the risk of adverse events, including venous thromboembolism (see Pharmacokinetic Properties -Transdermal versus oral contraceptives).

Interactions

Changes in contraceptive effectiveness associated with coadministration of other drugs

If a woman on hormonal contraceptives takes a drug or herbal product that induces enzymes, including CYP3A4, that metabolize contraceptive hormones, she should be counseled to use additional contraception or a different method of contraception. Drugs or herbal products that induce such enzymes may decrease the plasma concentrations of contraceptive hormones, and may decrease the effectiveness of hormonal contraceptives or increase breakthrough bleeding.

Some drugs or herbal products that may decrease the effectiveness of hormonal

• some anti-epileptics (e.g. carbamazepine, eslicarbazepine acetate, felbamate,

- oxcarbazepine, phenytoin, rufinamide, topiramate)
- (fos)aprepitant
- barbiturates
- bosentan
- griseofulvin
- some (combinations of) HIV protease inhibitors (e.g. nelfinavir, ritonavir, ritonavir-boosted protease inhibitors)
- medications given in combination with HIV/AIDS drugs (e.g. cobicistat) modafinil
- rifampin and rifabutin
 - St. John's wort

Management

Enzyme induction may be observed after a few days of treatment. Maximal enzyme induction is generally seen in about 10 days but may then be sustained for at least 4 weeks after the cessation of medicinal product therapy.

Short-term

A woman on short-term treatment with medicinal products that induce hepatic drug metabolizing enzymes or individual active substances that induce these enzymes should temporarily use a barrier method in addition to EVRA®, i.e. during the time of concomitant medicinal product administration and for 28 days after their discontinuation.

Long-term

In women on long term treatment with enzyme-inducing active substances, another reliable, non-hormonal, method of contraception is recommended.

Increase in plasma hormone levels associated with coadministered drugs

- Some drugs and grapefruit juice may increase the plasma levels of ethinyl estradiol if co-administered. Examples include:
- acetaminophen
- ascorbic acid

include:

cyclosporine

omeprazole

prednisolone

seleailine

tizanidine

theophylline

glucuronidation) include:

lamotrigine (see below)

acetaminophen

clofibric acid

• salicyclic acid

temazepam

• morphine

• CYP3A4 inhibitors (including itraconazole, ketoconazole, voriconazole and fluconazole, and grapefruit juice)

Data from oral combination hormonal contraceptives indicate that they may also

Examples of drugs whose plasma levels may be increased (due to CYP inhibition)

• HMG-CoA reductase inhibitors (including atorvastatin and rosuvastatin)

• some non-nucleoside reverse transcriptase inhibitors (e.g. etravirine)

affect the pharmacokinetics of some other drugs if used concomitantly.

• some HIV protease inhibitors (e.g. atazanavir, indinavir)

Etoricoxib

Day 1 Ø

itself.

A new patch is applied on Week Two (Day 8) and again on Week Three (Day 15), on the usual "Patch Change Day". Patch changes may occur at any time on the Change Day. Consecutive EVRA® patches should be applied to a new spot on the skin to help avoid potential irritation, although they may be kept within the same anatomic site.

Week Four is patch-free (Day 22 through Day 28), thus completing the four-week contraceptive cycle. Bleeding is expected during this time

The next four-week cycle is started by applying a new patch on the	Warniı
usual "Patch Change Day", the day after Day 28, no matter when the	Smoki

menstrual period begins or ends.

Under no circumstances should there be more than a 7-day patch free interval between dosing cycles.

Severe dyslipoproteinaemia

Valvular heart disease with complications

- Known or suspected carcinoma of the breast
- Carcinoma of the endometrium or other known or suspected estrogen-dependent neoplasia
- Undiagnosed abnormal genital bleeding
- Cholestatic jaundice of pregnancy or jaundice with prior hormonal contraceptive use
- Acute or chronic hepatocellular disease with abnormal liver function
- Hepatic adenomas or carcinomas
- Known or suspected pregnancy
- Hypersensitivity to any component of this product
- Patients receiving drug combinations with paritaprevir/ritonavir, ombitasvir, and/or dasabuvir due to potential for ALT elevations.

ings and Precautions king and age Cigarette smoking increases the risk of serious cardiovascular events from hormonal contraceptive use. This risk increases with age, particularly in women over 35 years of age, and with the number of cigarettes smoked. For this reason, hormonal

contraceptives, including EVRA®, should not be used by women who are over 35 years of age and smoke.

blood pressure were less than 1 mm mercury.

Users with hypertension should have their condition under control before hormonal contraceptive therapy can be started. Hormonal contraceptive therapy should be discontinued if significant persistent elevation of blood pressure (160 mm Hg systolic or \ge 100 mm Hg diastolic) occurs and cannot be adequately controlled. In general, women who develop hypertension during hormonal contraceptive therapy should be switched to a non-hormonal contraceptive. If other contraceptive methods are not suitable, hormonal contraceptive therapy may continue combined with antihypertensive therapy. Regular monitoring of BP throughout hormonal contraceptive therapy is recommended.

Hepatobiliary disease

Benign hepatic adenomas are associated with combination hormonal contraceptive use. Indirect calculations have estimated the attributable risk to be in the range of 3.3 cases/100000 for users, a risk that increases after 4 or more years of use, especially with hormonal contraceptives containing 50 micrograms or more of estrogen. Rupture of benign hepatic adenomas may cause death through intra-abdominal hemorrhage

dosage adjustments of lamotrigine may be necessary.

Contraindicated co-administration

EVRA® should not be co-administered with drug combinations containing paritaprevir/ritonavir, ombitasvir, and/or dasabuvir due to potential for ALT elevations.

Lamotrigine: Combined hormonal contraceptives have been shown to significantly

decrease plasma concentrations of lamotrigine when co-administered likely due to

induction of lamotrigine glucuronidation. This may reduce seizure control; therefore,

Physicians are advised to consult the labeling of concurrently-used drugs to obtain further information about interactions with hormonal contraceptives or the potential for enzyme alterations and the possible need to adjust dosages.

Laboratory tests

Certain endocrine and liver function tests and blood components may be affected by hormonal contraceptives:

- Increased prothrombin and factors VII, VIII, IX, and X; decreased anti-thrombin III; decreased protein S; increased norepinephrine (noradrenaline)-induced platelet aggregability
- Increased thyroid binding globulin (TBG) leading to increased circulating total thyroid hormone, as measured by protein-bound iodine (PBI), T4 by column or by radioimmunoassay. Free T3 resin uptake is decreased, reflecting the elevated TBG, free T4 concentration is unaltered.

29435330 Leaflet d1

- 22

- Other binding proteins may be elevated in serum.
- Sex hormone-binding globulins (SHBG) are increased and result in elevated levels of total circulating endogenous sex steroids. However, the free or biologically active levels of sex steroids either decrease or remain the same.
- High-density lipoprotein (HDL-C), total cholesterol (Total-C), low-density lipoprotein (LDL-C) and triglycerides may all increase slightly with EVRA®, while LDL-C/HDL-C ratio may remain unchanged.
- Glucose tolerance may be decreased.
- Serum folate levels may be depressed by hormonal contraceptive therapy. This has potential to be of clinical significance if a woman becomes pregnant shortly after discontinuing hormonal contraceptives. All women are now advised to take supplemental folic acid peri-conceptionally.

Pregnancy and Breast-feeding

Pregnancy

8 8

▶ 88

9 🛞

EVRA® is contraindicated for use in pregnancy.

Epidemiological studies indicate no increased risk of birth defects in children born to women who used hormonal contraceptives prior to pregnancy. The majority of recent studies also do not indicate a teratogenic effect, particularly insofar as cardiac anomalies and limb reduction defects are concerned, when hormonal contraceptives are used inadvertently during early pregnancy.

The increased risk of VTE during the postpartum period should be considered when starting or re-starting EVRA® (see Warnings and Precautions).

Breast-feeding

A small amount of the contraceptive steroids and/or their metabolites may be excreted with the milk. Small amounts of combination hormonal contraceptive steroids have been identified in the milk of nursing mothers and a few adverse effects on the child have been reported, including jaundice and breast enlargement. In addition, combination hormonal contraceptives given in the postpartum period Very comm may interfere with lactation by decreasing the quantity and quality of breast milk. Common If possible, the nursing mother should be advised not to use EVRA® or other Uncommo combination hormonal contraceptives but to use other forms of contraception until Rare the child is fully weaned. Very rare Not known

Effects on Ability to Drive and Use Machines None known.

Adverse Reactions

Throughout this section, adverse reactions are presented. Adverse reactions are adverse events that were considered to be reasonably associated with the use of norelgestromin/ethinyl estradiol based on the comprehensive assessment of the available adverse event information. A causal relationship with norelgestromin/ethinyl estradiol usually cannot be reliably established in individual cases. Further, because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials of a drug cannot be directly compared to rates in the clinical trials of another drug and may not reflect the rates observed in clinical practice.

Clinical trial data

The safety of EVRA® was evaluated in 3330 sexually active women who participated in three Phase III clinical trials, which were designed to evaluate contraceptive efficacy. These subjects received six or 13 cycles of contraception (EVRA® or oral Very rare contraceptive comparator), took at least one dose of study medication and provided safety data.

The most common adverse reactions reported during clinical trials were breast symptoms, headache, application site disorder and nausea. The most common events leading to discontinuation were application site reaction, breast symptoms (including breast discomfort, breast engorgement and female breast pain), nausea, headache and emotional lability. Adverse reactions reported by ≥1% of EVRA®-treated subjects in these trials are

shown in Table 2.

Table 2: Adverse Reactions Reported by ≥ 1% of EVRA®-treated Subjects in Three Phase III Clinical Trials^{1,2}

System/Organ Class Adverse reaction	EVRA® (n=3322) %	Mercilon ³ (n=641) %	Triphasil⁴ (n=602) %
Investigations Weight increased	2.7%	1.4%	3.0%
Nervous system disorders Headache Dizziness Migraine	21.0% 3.3% 2.7%	23.7% 1.6% 3.4%	22.1% 4.5% 2.5%

General disorders and administration site conditions Fluid retention⁴ Hepatobiliary disorders Cholecystitis Reproductive system and breast disorders Galactorrhea, Genital discharge, Premenstrual syndrome, Vulvovaginal dryness **Psychiatric disorders** Insomnia, Libido decreased, Libido increased

¹ Trials included are NRGEEP-CONT-002, NRGEEP-CONT-003, and NRGEEP-CONT-004 (principal safety analysis group used for integrated safety summary)

² Thirteen patients (8 EVRA®, 2 Mercilon, and 3 Triphasil) did not have study medication start dates in the database. These 13 patients (8 of whom had at least one adverse event) were excluded as it could not be determined whether their adverse events were treatment-emergent or not.

³ The bundled term lipid disorders consists of the preferred terms blood cholesterol increased, blood triglycerides increased, and hypercholesterolemia.

⁴ The bundled term fluid retention consists of the preferred terms fluid retention, generalized edema, and swelling. The bundled term "Fluid retention" is included under the SOC General disorders and administration site conditions because two of The following non-contraceptive health benefits related to the use of the three terms (generalized edema and swelling) occur in that SOC; the preferred term fluid retention occurs in the Metabolism and nutrition disorders SOC.

Postmarketing data

Additional adverse reactions first identified during postmarketing experience with EVRA® are included in Table 4. In the table, the frequencies are provided according to the following convention:

non	≥1/10
	≥1/100 and <1/10
on	≥1/1,000 and <1/100
	≥1/10,000 and <1/1,000
	<1/10,000, including isolated reports
n	Cannot be estimated from the available data

In Table 4, adverse reactions are presented by frequency category based on spontaneous reporting rates.

Table 4: Adverse Reactions Identified During Postmarketing Experience with EVRA® by Frequency Category Estimated from Spontaneous Reporting Rates

Investigations

Very rare Blood cholesterol abnormal, Blood glucose abnormal, Blood glucose decreased, Low density lipoprotein increased

Cardiac disorders

Arterial thromboembolism, Acute myocardial infarction, Very rare Myocardial infarction

Nervous system disorders

Cerebral hemorrhage, Cerebrovascular accidents ¹ , Dysgeusia
Hemorrhage intracranial, Hemorrhagic stroke, Migraine with
aura, Subarachnoid hemorrhage

Eye disorders

Verv rare

Very rare Contact lens intolerance

Respiratory, thoracic and mediastinal disorders

Pulmonary thrombosis² Very rare

Gastrointestinal disorders

Very rare Colitis

Skin and subcutaneous tissues disorders

Alopecia, Angioedema, Dermatitis allergic, Eczema, Erythema multiforme, Erythema nodosum, Exfoliative rash, Photosensitivity reaction, Pruritus generalized, Rash, Rash erythematous, Rash pruritic, Seborrheic dermatitis, Skin reaction, Urticaria

Breast cancer, Breast cancer stage IV, Cervix carcinoma,

Thrombosis⁴. Venous thrombosis⁵. Venous thromboembolism

Metabolism and nutrition disorders

Treatment

In case of suspected overdose, all transdermal contraceptive systems should be removed and symptomatic treatment given. PHARMACOLOGICAL PROPERTIES Pharmacodynamic Properties Mechanism of action EVRA® acts through the mechanism of gonadotropin suppression by the estrogenic and progestational actions of ethinyl estradiol (EE) and norelgestromin (NGMN). The primary mechanism of action is inhibition of ovulation, but alterations to

the cervical mucus, the fallopian tube motility and to the endometrium may also contribute to the efficacy of the product.

Receptor and sex hormone binding globulin (SHBG) binding studies, as well as studies in animals and humans, have shown that both norgestimate (NGM) and NGMN, the major serum metabolite of NGM following oral administration, exhibit high progestational activity with minimal intrinsic androgenicity, which illustrates the selective action of EVRA®. Transdermally-administered norelgestromin in combination with EE does not counteract the estrogeninduced increases in SHBG, resulting in lower levels of free testosterone in serum compared to baseline.

combination hormonal contraceptives are supported by epidemiological studies which largely utilized hormonal contraceptive formulations containing estrogen at doses exceeding 35 micrograms of EE or 50 micrograms of mestranol.

Effects on menses:

- increased menstrual cycle regularity
- decreased blood loss and decreased incidence of iron deficiency anemia
- decreased incidence of dysmenorrhea
- Effects related to inhibition of ovulation: decreased incidence of functional ovarian cysts
- decreased incidence of ectopic pregnancies
- Other effects:
- · decreased incidence of fibroadenomas and fibrocystic disease of the breast;
- decreased incidence of acute pelvic inflammatory disease
- decreased incidence of endometrial cancer
- · decreased incidence of ovarian cancer

Pharmacokinetic Properties Absorption

Following application of EVRA[®], both NGMN and EE rapidly appear in the serum, reach a plateau by approximately 48 hours, and are maintained at an approximate steady-state throughout the wear period. C_{ss} concentrations for NGMN and EE during one week of patch wear are approximately 0.8 ng/ml and 50 pg/ml, respectively, and are generally consistent from all studies and application sites.

The absorption of NGMN and EE following application of EVRA® to the abdomen, buttock, upper outer arm and upper torso (excluding breast) was evaluated in a cross-over design study. The results of this study indicated that C_s and AUC for the buttock, upper arm and torso for each analyte were equivalent. Strict bio-equivalence requirements for AUC were not met in ^{a,} this study for the abdomen. However, in a separate parallel group multiple application pharmacokinetic study, C_{ss} and AUC for the buttock and abdomen were not statistically different. In a dose-ranging study, EVRA® caused effective ovulation suppression when applied to the abdomen. Therefore, all four sites are therapeutically equivalent.

The absorption of NGMN and EE following application of EVRA® was studied under conditions encountered in a health club (sauna, whirlpool treadmill and other aerobic exercise) and in a cold water bath. The results indicated that for NGMN there were no significant treatment effects on C_{se} or AUC when compared to normal wear. For EE, slight increases were observed due to treadmill and other aerobic exercise. There was no significant effect of cool water on these parameters.

Results from an EVRA® study with EVRA® of extended wear of a single contraceptive patch for 7 days and 10 days indicated that target C₂ of NGMN and EE were maintained during a 3-day period of extended wear of EVRA® (10 days). These findings suggest that clinical efficacy would be maintained even if a scheduled change is missed for as long as 2 full days.

Distribution

NGMN and norgestrel (a serum metabolite of NGMN) are highly bound (>97%) to serum proteins. NGMN is bound to albumin and not to SHBG, while norgestrel is bound primarily to SHBG, which limits its biological activity. EE is extensively bound

the overall variability in the pharmacokinetics of NGMN and EE following application of EVRA® may be associated with any or all of the above demographic parameters. There was no significant effect of race with respect to Caucasians, Hispanics and Blacks

PHARMACEUTICAL INFORMATION List of Excipients

Backing layer: Low-density pigmented polyethylene outer layer, polyester inner layer Middle layer: Polyisobutylene/polybutene adhesive, crospovidone, non-woven polyester fabric and lauryl lactate Transparent polyethylene terephthalate (PET) film Third layer:

with a polydimethylsiloxane coating

For additional information, see Dosage Forms and Strengths.

Incompatibilities

To prevent interference with the adhesive properties of EVRA®, no creams, lotions or powders should be applied to the skin area where the EVRA® transdermal patch is to be applied.

Shelf Life

Refer to outer carton

Storage Conditions

Do not store above 30°C. Store patches in their protective sachet inside the original box. Do not store in the refrigerator or freezer. Keep out of the sight and reach of children.

Nature and Contents of Container Patches: 3, 9 and 18 per box

Not all presentations may be available locally.

Instructions for Use and Handling and Disposal

Apply immediately upon removal from the protective sachet.

After removing the worn patch, the used patch should be folded in half, adhesive side together so that the release membrane is not exposed, and then discarded safely out of the reach of children.

Used patches should not be flushed down the toilet.

MANUFACTURER

LTS Lohmann Therapie-Systeme AG Lohmannstrasse 2 56626 Andernach Germany

DATE OF LAST REVISION OF TEXT 07 January 2022

	Gastrointestinal disorders Nausea	16.6%	5.9%	17.9%	Very rare	Hyperglycemia, Increased appetite, Insulin resistanc	
ທ 🛞	Abdominal pain ⁵	8.1%	9.7%	7.1%	Very rare	Typeigiyeenia, increased appende, insulit resistance	
	Vomiting	5.1%	2.7%	4.3%	Infections and i	infectations	
	Diarrhoea	4.2%	4.5%	3.7%			
	Abdominal distension	1.7%	0.6%	2.7%	Very rare	Rash pustular	
	Skin and subcutaneous tissue disorders				Injury, poisonin	g and procedural complications	
	Acne	2.9%	3.6%	3.7%	Very rare	Contact lens complication	
	Pruritus	2.5%	0.8%	0.2%	Vory rare	Contact lone complication	
	Skin irritation	1.1%	0.2%	0	Neoplasms ben	ign, malignant and unspecified (Incl cysts and polyps)	
	Musculoskeletal and connective				Very rare	Breast cancer, Breast cancer stage IV, Cervix carcin	
_	tissue disorders				Very fare	Fibroadenoma of breast, Hepatic adenoma, Hepatic	
	Muscle spasms	2.1%	1.1%	2.5%	-	neoplasm, Uterine leiomyoma	
	Infections and infestations Vaginal yeast infection ⁶	3.9%	3.9%	5.3%			
		3.970	3.970	5.5%	Vascular disord		
	General disorders and administration site conditions				Very rare	Arterial thrombosis ³ , Hypertension, Hypertensive cris	
	Application site disorder ⁷	17.1%	Not applicable	Not applicable		Thrombosis⁴, Venous thrombosis⁵, Venous thromboe	
	Fatigue	2.6%	1.6%	3.2%			
	Malaise	1.1%	0.8%	0.3%	General disorde	ers and administration site conditions	
	Reproductive system and breast				Rare	Administration site reactions ⁶	
4 ⊗	disorders				Very rare	Face edema, Irritability, Localized edema, Edema pe	
- w	Breast symptoms ⁸	22.4% 7.8%	9.0% 3.9%	6.1%		Pitting edema	
	Dysmenorrhea Vaginal bleeding and menstrual	1.0%	3.9%	7.3%			
	disorders ⁹	6.4%	5.0%	3.7%	Immune system	n disorders	
	Uterine spasm	1.9%	0.5%	2.2%	Very rare	Anaphylactic reaction, Hypersensitivity	
	Vaginal discharge	1.9%	1.9%	0.7%			
	Psychiatric disorders				Hepatobiliary d	isorders	
	Mood, affect and anxiety disorders ¹⁰	6.3%	5.1%	6.0%	Very rare	Cholelithiasis, Cholestasis, Hepatic lesion, Jaundice	
	¹ Trials included are NRGEEP-CONT-00					cholestatic	
	CONT-004 (principal safety analysis grou	up used for i	ntegrated safety su	mmary).			
—	² Thirteen patients (8 EVRA [®] , 2 Merci medication start dates in the database				Reproductive s	ystem and breast disorders	
	one adverse event) were excluded as				Rare	Amenorrhea	
	adverse events were treatment-emerge	gent or not.			Very rare	Breast mass, Cervical dysplasia, Hypomenorrhea,	
	³ Trade name for product containing	150 microg	rams desogestrel	and		Menometrorrhagia, Oligomenorrhea, Suppressed lac	
	20 micrograms EE. ⁴ Trade name for product containing	50 mioroar	me lovoporgostro	land			
	30 micrograms EE (Days 1-6), 75 micr				Psychiatric disc	orders	
	EE (Days 7-11) and 125 micrograms le				Very rare	Anger, Emotional disorder, Frustration	
	(Days 12-21).				¹ The bundled te	erm cerebrovascular accidents consists of the preferred to	
	⁵ The bundled term abdominal pain c			abdominal		accident, transient ischemic attack, intracranial venous s	
m 🛞	pain, abdominal pain upper, and abdo ⁶ The bundled term vaginal yeast in			rrad tarms		ebral infarction, cerebral thrombosis, cerebral venous thro	
~	fungal infection (vaginal only), vagina					al infarction, superior sagittal sinus thrombosis, ischemic thrombosis, thrombotic stroke, thromboembolic stroke, t	
	infection.		, C	,		is, brain stem infarction, carotid artery occlusion, cerebral	
		⁷ The bundled term application site disorder consists of the preferred terms				embolism, cerebral artery occlusion, cerebral artery thrombosis, lacunar ir and embolic stroke.	
		application site dermatitis, application site discoloration, application site erythema, application site hypersensitivity, application site irritation, application site oedema,					
	application site pain, application site p				² The bundled term pulmonary thrombosis consists of the preferred terms		
	site rash, application site reaction, ap				pulmonary thrombosis and pulmonary artery thrombosis. ³ The bundled term arterial thrombosis consists of the preferred terms and		
	vesicles.				thrombosis, arterial thrombosis limb, coronary artery thrombosis, iliac art		
	⁸ The bundled term breast symptoms consists of the preferred terms breast					acardiac thrombus, and retinal artery occlusion.	
		discomfort, breast disorder, breast engorgement, breast enlargement, breast pain, breast swelling, breast tenderness, and fibrocystic breast disease.				erm thrombosis consists of the preferred terms thrombos	
		⁹ The bundled term vaginal bleeding and menstrual disorders consists of				osis, embolism, Budd-Chiari syndrome, renal embolism, a lism.	
		the preferred terms menorrhagia, menstrual disorder, menstruation irregular,				erm venous thrombosis consists of the preferred terms re	
	metrorrhagia, polymenorrhea, and vaginal hemorrhage.					vein thrombosis, venous thrombosis, pelvic venous thron	
	¹⁰ The bundled term mood, affect, and anxiety disorders consists of the preferred				thrombophlebitis, venous thrombosis limb, jugular vein thrombosis, axillar		
		terms affect lability, aggression, anxiety, crying, depression, mood altered, mood swings, and tearfulness.				erficial thrombophlebitis, portal vein thrombosis, mesente	
	swings, and teantiness.				and hepatic vein	a cava thrombosis, renal vein thrombosis, splenic vein thr	
	Additional adverse reactions that occur	rred in <1%	of EVRA®-treated	I subjects in the		erm administration site reactions consists of the preferred	
	above clinical trial dataset are listed in	Table 3.				ourn, application site dryness, application site scar, applic	
						plication site photosensitivity reaction, application site exf	
N 88	Table 3: Adverse Reactions Reporte	ed by < 1%	of EVRA®-treate	d Subjects in		swelling, application site scab, application site paresthesia	
	Three Phase III Clinical Trials ^{1,2}					warmth, application site bleeding, application site inflamm oustules (moved from Infections and infestations SOC), ap	
	System/Organ Class					application site atrophy, application site excoriation, applic	
	Adverse reaction				discomfort, appl	ication site anesthesia, application site infection, applicat	
	Investigations	dara ³				n site eczema, application site nodule, application site dis	
	Blood pressure increased, Lipid disor				application site a application site a	abscess, application site mass, application site erosion ar	
	Respiratory, thoracic and mediastir	nal disorde	rs			5401.	
	Pulmonary embolism				Overdose		
	Skin and subcutaneous tissue disor	rders			Symptoms and s	signe	

rs and administration site conditions Administration site reactions⁶ Face edema, Irritability, Localized edema, Edema peripheral, Pitting edema disorders Anaphylactic reaction, Hypersensitivity sorders Cholelithiasis, Cholestasis, Hepatic lesion, Jaundice cholestatic stem and breast disorders Amenorrhea Breast mass, Cervical dysplasia, Hypomenorrhea, Menometrorrhagia, Oligomenorrhea, Suppressed lactation rders Anger, Emotional disorder, Frustration rm cerebrovascular accidents consists of the preferred terms accident, transient ischemic attack, intracranial venous sinus bral infarction, cerebral thrombosis, cerebral venous thrombosis, I infarction, superior sagittal sinus thrombosis, ischemic stroke. thrombosis, thrombotic stroke, thromboembolic stroke, basilar s, brain stem infarction, carotid artery occlusion, cerebral artery al artery occlusion, cerebral artery thrombosis, lacunar infarction, erm pulmonary thrombosis consists of the preferred terms bosis and pulmonary artery thrombosis.

rm arterial thrombosis consists of the preferred terms arterial ial thrombosis limb, coronary artery thrombosis, iliac artery cardiac thrombus, and retinal artery occlusion. rm thrombosis consists of the preferred terms thrombosis, retinal

sis, embolism, Budd-Chiari syndrome, renal embolism, and ism. rm venous thrombosis consists of the preferred terms retinal vein

vein thrombosis, venous thrombosis, pelvic venous thrombosis, venous thrombosis limb, jugular vein thrombosis, axillary vein rficial thrombophlebitis, portal vein thrombosis, mesenteric vein cava thrombosis, renal vein thrombosis, splenic vein thrombosis, thrombosis

rm administration site reactions consists of the preferred terms urn, application site dryness, application site scar, application lication site photosensitivity reaction, application site exfoliation, welling, application site scab, application site paresthesia, armth, application site bleeding, application site inflammation, ustules (moved from Infections and infestations SOC), application cation site anesthesia, application site infection, application site site eczema, application site nodule, application site discharge, bscess, application site mass, application site erosion and dor.

Symptoms and signs

to serum albumin.

Biotransformation

Since EVRA® is applied transdermally, first-pass metabolism (via the gastro-intestinal tract and/or liver) of NGMN and EE that would be expected following oral administration is avoided. Hepatic metabolism of NGMN occurs and metabolites include norgestrel, which is largely bound to SHBG, and various hydroxylated and conjugated metabolites. EE is also metabolized to various hydroxylated products and their glucoronide and sulfate conjugates.

Elimination

Following removal of patches, the elimination kinetics of NGMN and EE were consistent for all studies with half-life values of approximately 28 hours and 17 hours, respectively. The metabolites of NGMN and EE are eliminated by renal and fecal pathways.

Linearity/non-linearity

In multiple dose studies, C_{ss} and AUC for NGMN and EE were found to increase slightly over time when compared to Week 1 of Cycle 1. In a three-cycle study, these pharmacokinetic parameters reached steady-state conditions during all three weeks of Cycle 3. These observations are indicative of linear kinetics of NGMN and EE from EVRA[®] use.

Transdermal versus oral contraceptives

The pharmacokinetic profiles of transdermal and oral combined hormonal contraceptives are different and caution should be exercised when making a direct comparison of these PK parameters.

In a study comparing EVRA® to an oral contraceptive containing NGM 250mcg/EE 35 mcg, C_{max} values were 2-fold higher for NGMN and EE in subjects administered the oral contraceptive compared to EVRA®, while overall exposure (AUC and C_s) was comparable in subjects treated with EVRA®. Inter-subject variability (%CV) for the PK parameters following delivery from EVRA® was higher relative to the variability determined from the oral contraceptive.

In a study comparing EVRA® (a transdermal patch with a similar PK profile to EVRA®) to an oral contraceptive containing NGM 250mcg/EE 35mcg, overall exposure for NGMN and EE (AUC and C_s) was higher in subjects treated with EVRA® for both Cycle 1 and Cycle 2 compared to that for the oral contraceptive, while C_{max} values were higher in subjects administered the oral contraceptive. Under steady-state conditions, AUC_{0.168} and C_{ss} for EE were approximately 55% and 60% higher, respectively, for the transdermal patch, and the C_{max} was about 35% higher for the oral contraceptive. Inter-subject variability (%CV) for the PK parameters following delivery from EVRA® was higher relative to the variability determined from the oral contraceptive.

In the following table, percent change in concentrations (%CV) of markers of systemic estrogenic activity (Corticosteroid Binding Globulin [CBG], Sex Hormone Binding Globulin [SHBG], and Corticosteroid Binding Globulin-Binding Capacity [CBG-BC]) from Cycle 1, Day 1 to Cycle 1, Day 22 are presented. Overall, percent change in CBG and CBG-BC concentrations were similar for EVRA® and oral contraceptive users; percent change in SHBG concentrations were higher for EVRA® users compared to women taking the oral contraceptive. Within each group, the absolute values for CBG, SHBG, and CBG-BC were similar for Cycle 1, Day 22 and Cycle 2, Day 22.

Table 5: Mean percent Change (%CV) in CBG, SHBG, and CBG-BC Concentrations Following Once-daily Administration of an Oral Contraceptive (containing NGM 250 mcg/EE 35 mcg) for One Cycle and Application of EVRA® for One Cycle in Healthy Female Volunteers

Parameter	ORAL CONTRACEPTIVE (% change from Day 1 to Day 22)	EVRA [®] (% change from Day 1 to Day 22)		
CBG	157 (33.4)	153 (40.2)		
SHBG	200 (43.2)	334 (39.3)		
CBG-BC	139 (34.8)	128 (36.3)		

Despite the differences in the PK profiles of EVRA® and an oral contraceptive (containing NGM 250 mcg/EE 35 mcg), estrogenic activity, as assessed by hepatic globulin synthesis, was similar when evaluating CBG and CBG-BC and higher for EVRA[®] when evaluating SHBG.

oplication site atrophy, application site excoriation, application site The clinical relevance of the difference in PK profile and pharmacodynamic (PD) response between transdermal and oral delivery is not known.

Effects of age, body weight, and body surface area

The effects of age, body weight, body surface area and race on the pharmacokinetics of NGMN and EE were evaluated in 230 healthy women from nine pharmacokinetic studies of single 7-day applications of EVRA®. For both NGMN and EE, increasing age, body weight and body surface area each were associated with Overdosage may cause nausea and vomiting. Vaginal bleeding may occur in females. slight decreases in C_{ss} and AUC values. However, only a small fraction (10-20%) of



Abbott

Chloasma, Dermatitis contact, Ervthema

