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Due to regulatory changes, the content of the following Patient Information Leaflet may vary from the one found in your medicine pack. Please compare the 'Leaflet prepared/revised date' towards the end of the leaflet to establish if there have been any changes.

If you have any doubts or queries about your medication, please contact your doctor or pharmacist.

Package leaflet: Information for the user

Logynon[®]

Levonorgestrel

Ethinylestradiol

Five important things to know about the Pill.

- The Pill is a reliable contraceptive and may reduce your risk of cancer of the ovary and womb if used in the long term.
- The Pill will not protect you against sexually transmitted diseases.
- This medicine can increase your risk of problems such as blood clots and breast cancer.
- Some women should not take the Pill because of current medical problems or illnesses. Please read this leaflet to make sure Logynon is right for you.
- To prevent pregnancy it is important to take Logynon as instructed and start each pack on time. Please make sure that you understand what to do if you miss a pill or if you think you are pregnant.

Read all of this leaflet carefully before you start taking this medicine.

- Keep this leaflet. You may need to read it again.
- If you have any questions or need more advice, ask your doctor, family planning nurse or pharmacist.
- This medicine has been prescribed for you. Do not pass it on to others. It may harm them.
- **If any of the side effects gets severe**, or if you notice any not listed in this leaflet, please tell your doctor, family planning nurse or pharmacist.

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1. What Logynon does

Logynon is a combined oral contraceptive pill ('the Pill'). **You take it to stop you getting pregnant.**

This contraceptive contains two types of female sex hormones, oestrogen and progestogen. These hormones stop you getting pregnant by working in three ways: by preventing an egg being released from your ovaries; by making the fluid (mucus) in your cervix thicker, which makes it more difficult for sperm to enter the womb; and by preventing the lining of your womb thickening enough for an egg to grow in it.

Logynon is a 21-day pill – you take one each day for 21 days, followed by 7 days when you take no pills.

The benefits of taking the Pill include:

- it is one of the most reliable reversible methods of contraception if used correctly
- it doesn't interrupt sex
- it usually makes your periods regular, lighter and less painful
- it may help with pre-menstrual symptoms.

Logynon will not protect you against sexually transmitted infections, such as Chlamydia or HIV. Only condoms can help to do this.

Logynon needs to be taken as directed to prevent pregnancy.

2. Make sure Logynon is OK for you

It's important that you understand the benefits and risks of taking the Pill before you start taking it, or when deciding whether to carry on taking it. Although the Pill is suitable for most healthy women it isn't suitable for everyone.

→ **Tell your doctor** if you have any of the illnesses or risk factors mentioned in this leaflet.

Before you start taking the Pill

- Your doctor will ask about you and your family's medical problems, check your blood pressure and exclude the likelihood of you being pregnant. You may also need other checks, such as a breast examination, but only if these examinations are necessary for you, or if you have any special concerns.

While you're on the Pill

- You will need **regular check-ups** with your doctor or family planning nurse, usually when you need another prescription of the Pill.
- You should go for **regular cervical smear** tests.
- **Check your breasts** and nipples every month for changes – tell your doctor if you can see or feel anything odd, such as lumps or dimpling of the skin.
- **If you need a blood test** tell your doctor that you are taking the Pill, because the Pill can affect the results of some tests.
- **If you're going to have an operation**, make sure your doctor knows about it. You may need to stop taking the Pill about 4–6 weeks before the operation. This is to reduce the risk of a blood clot (see section 2.1). Your doctor will tell you when you can start taking the Pill again.

2.1 The Pill and blood clots

The Pill may slightly increase your risk of having a blood clot (called a *thrombosis*), especially in the first year of taking it.

A clot in a leg vein – a *deep vein thrombosis* (or DVT) – is not always serious. However, if it moves up the veins and blocks an artery in the lungs, it can cause chest pain, breathlessness, collapse or even death. This is called a *pulmonary embolism* and is very rare.

Your chances of having a blood clot are only increased slightly by taking the Pill.

- Of 100,000 women who are **not on the Pill** and not pregnant, about **5** will have a blood clot in a year.
- Of 100,000 women **taking a Pill** such as Logynon, about **15** will have a blood clot in a year.
- Of 100,000 women who are **pregnant**, around **60** will have a blood clot in a year.

Very rarely, blood clots can form in the blood vessels of the heart (causing a **heart attack**) or the brain (causing a **stroke**). In healthy young women the chance of having a heart attack or stroke is extremely small.

You are more at risk of having a blood clot:

- as you get **older**
- if you **smoke**
- if you or any of your close family have had **blood clots**
- if you are seriously **overweight**
- if you have a **disorder of blood fat (*lipid*) metabolism**, or some other **very rare blood disorders**
- if you have **high blood pressure**
- if you suffer from **migraines**
- if you have a **heart valve disorder** or a particular type of **irregular heartbeat (*atrial fibrillation*)**
- if you have **recently had a baby**
- if you have **diabetes**

- if you have certain rare medical conditions such as **systemic lupus erythematosus, sickle cell disease, Crohn’s disease** or **ulcerative colitis**
- if you’re **off your feet for a long time** because of major surgery, injury or illness.

→ **Tell your doctor if any of these apply to you.** Taking the Pill may add to this risk so Logynon may not be suitable for you.

Signs of a blood clot include:

- a **migraine** for the first time, a migraine that is worse than normal or unusually frequent or severe **headaches**
- any sudden **changes to your eyesight** (such as loss of vision or blurred vision)
- any sudden **changes to your hearing, speech, sense of smell, taste or touch**
- **pain or swelling in your leg**
- **stabbing pain when you breathe**
- **coughing** for no apparent reason
- **pain and tightness in the chest**
- sudden **weakness** or **numbness** in one side or part of your body
- **dizziness** or **fainting**.

→ **See a doctor as soon as possible. Do not take any more Logynon** until your doctor says you can. Use another method of contraception, such as condoms, in the meantime.

2.2 The Pill and cancer

While high dose Pills reduce your risk of cancer of the ovary and womb if used in the long term, it is not clear whether lower dose Pills like Logynon also provide the same protective effects. However, it also seems that taking the Pill slightly increases your risk of **cancer of the cervix** – although this may be due to having sex without a condom, rather than the Pill. All women should have regular **smear tests**.

If you have **breast cancer**, or have had it in the past, you should not take the Pill. The Pill slightly increases your risk of breast cancer. This risk goes up the longer you’re on the Pill, but returns to normal within about 10 years of stopping it. Because breast cancer is rare in women under the age of 40, the extra cases of breast cancer in current and recent Pill users is small. For example:

- Of 10,000 women who have **never taken the Pill**, about **16** will have breast cancer by the time they are 35 years old.
- Of 10,000 women who **take the Pill for 5 years in their early twenties**, about **17–18** will have breast cancer by the time they are 35 years old.
- Of 10,000 women who have **never taken the Pill**, about **100** will have breast cancer by the time they are 45 years old.
- Of 10,000 women who **take the Pill for 5 years in their early thirties**, about **110** will have breast cancer by the time they are 45 years old.

Your risk of breast cancer is higher:

- if you have a close relative (mother, sister or grandmother) who has had breast cancer
- if you are seriously overweight.

→ **See a doctor as soon as possible if you notice any changes in your breasts**, such as dimpling of the skin, changes in the nipple or any lumps you can see or feel.

Taking the Pill has also been linked to liver diseases, such as jaundice and non-cancer liver tumours, but this is rare. Very rarely, the Pill has also been linked with some forms of liver cancer in women who have taken it for a long time.

→ **See a doctor as soon as possible if you get severe pain in your stomach, or yellow skin or eyes (jaundice)**. You may need to stop taking Logynon.

2.3 Logynon should not be taken by some women

→ **Tell your doctor or family planning nurse** if you have any medical problems or illnesses.

Do not take Logynon if any of the following apply to you. Taking Logynon would put your health at risk.

- If you have or have every had **breast cancer**
- If you have ever had a problem with your blood circulation. This includes a **blood clot (thrombosis)** in the legs (*deep vein thrombosis*), lungs (*pulmonary embolism*), heart (**heart attack**), brain (**stroke**) or any other parts of the body
- If you have any condition which makes you **more at risk of a blood clot (thrombosis)** – see section 2.1, *The Pill and blood clots*)
- If you have **very high or uncontrolled blood pressure**
- If you have any **symptoms of a blood clot**, such as **chest pain (angina pectoris)** or **'mini-stroke'** (*transient ischaemic attack*)
- If you have ever suffered from **migraine with visual disturbances**
- If you have ever had a **severe liver disease**, and you have been told by your doctor that your liver function test results are not yet back to normal
- If you have ever had **liver tumours**
- If you have **severe diabetes affecting your blood vessels**
- If you are **allergic (hypersensitive)** to any of the ingredients in Logynon.

→ **If you suffer from any of these**, or get them for the first time while taking Logynon, contact your doctor as soon as possible. Do not take Logynon.

2.4 Logynon can make some illnesses worse

Some of the conditions listed below can be made worse by taking the Pill. Or they may mean it is less suitable for you. You may still be able to take Logynon but you need to take special care and have check-ups more often.

- If you have **diabetes**

- If you or your close family have ever had problems with your heart, or circulation such as **high blood pressure**
- If you or your close family have ever had problems with **blood clotting**
- If you have the inherited disease called **porphyria**
- If you are **overweight** (*obese*)
- If you have **migraines**
- If you have **inflammation of the pancreas** (*pancreatitis*) or a history or family history of **high levels of fat in your blood** (*hypertriglyceridemia*), as you may be at risk of developing pancreatitis
- If you have **any illness that worsened during pregnancy or previous use of the Pill** (see section 4.2)

→ **Tell your doctor or family planning nurse if any of these apply to you.**

Also tell them if you get any of these for the first time while taking the Pill, or if any get worse or come back, because you may need to stop taking Logynon.

2.5 Taking other medicines

If you ever need to take another medicine at the same time as being on the Pill, always tell your doctor, pharmacist or dentist that you're taking Logynon. Also check the leaflets that come with all your medicines to see if they can be taken with hormonal contraceptives.

Some medicines can stop Logynon from working properly – for example:

- **some medicines used to treat epilepsy**
- **some medicines used to treat HIV**
- **griseofulvin** (an anti-fungal medicine)
- **certain antibiotics**
- **certain sedatives** (called *barbiturates*)
- **St. John's Wort** (a herbal remedy).

If you do need to take one of these medicines, Logynon may not be suitable for you or you may need to use extra contraception for a while. Your doctor, pharmacist or dentist can tell you if this is necessary and for how long.

Logynon can also affect how well other medicines work. Your doctor may need to adjust the dose of your other medicine.

In addition, Logynon can also interfere with the results of some blood tests, so always tell your doctor that you are taking Logynon if you have a blood test.

2.6 Taking Logynon with food and drink

There are no special instructions about food and drink while on Logynon.

2.7 Pregnancy and breast-feeding

Do not use Logynon if you are pregnant. If you think you might be pregnant, do a pregnancy test to confirm that you are before you stop taking Logynon.

If you are breast-feeding, your doctor or family planning nurse may advise you not to take Logynon. They will be able to suggest alternative contraception. Breast-feeding may not stop you getting pregnant.

2.8 Driving and using machines

Logynon has no known effect on the ability to drive or use machines.

2.9 Logynon contains lactose and sucrose

If you have been told by your doctor that you have intolerance to some sugars, contact your doctor before using Logynon.

3. Taking Logynon

3.1 How to take it

To prevent pregnancy, always take Logynon as described below. Check with your doctor or family planning nurse if you are not sure.

Take Logynon every day for 21 days

Logynon comes in strips of 21 pills (6 light brown, 5 white and 10 ochre-coloured tablets), each marked with a day of the week.

- Take your pill at the same time every day.
- Start by taking pill number 1 and mark that day of the week under the heading “I took my first pill on” by piercing the small unnumbered foil disc. This will remind you on which day you started taking the course of pills.
- Follow the direction of the arrows on the strip. Take one pill each day, until you have finished all 21 pills.
- Swallow each pill whole, with water if necessary. Do not chew the pill.

Then have seven pill-free days

After you have taken all 21 pills in the strip, you have seven days when you take no pills. So if you take the last pill of one pack on a Friday, you will take the first pill of your next pack on the Saturday of the following week.

Within a few days of taking the last pill from the strip, you should have a withdrawal bleed like a period. This bleed may not have finished when it is time to start your next strip of pills.

You don't need to use extra contraception during these seven pill-free days – as long as you have taken your pills correctly and start the next strip of pills on time.

Then start your next strip

Start taking your next strip of Logynon after the seven pill-free days – even if you are still bleeding. Always start the new strip on time.

As long as you take Logynon correctly, you will always start each new strip on the same day of the week.

3.2 Starting Logynon

As a new user or starting the Pill again after a break

It is best to take your first Logynon pill on the first day of your next period. By starting in this way, you will have contraceptive protection with your first pill.

Changing to Logynon from another contraceptive Pill

- **If you are currently taking a 21-day Pill:** start Logynon the next day after the end of the previous strip. You will have contraceptive protection with your first pill. You will not have a bleed until after your first strip of Logynon.
- **If you are taking a 28-day Pill:** start taking Logynon the day after your last active pill. You will have contraceptive protection with your first pill. You will not have a bleed until after your first strip of Logynon.
- **Or, if you are taking a progestogen-only Pill (POP or 'mini Pill'):** start Logynon on the first day of bleeding, even if you have already taken the progestogen-only Pill for that day. You will have contraceptive cover straight away.

Starting Logynon after a miscarriage or abortion

If you have had a miscarriage or an abortion **during the first three months** of pregnancy, your doctor may tell you to start taking Logynon straight away. This means that you will have contraceptive protection with your first pill.

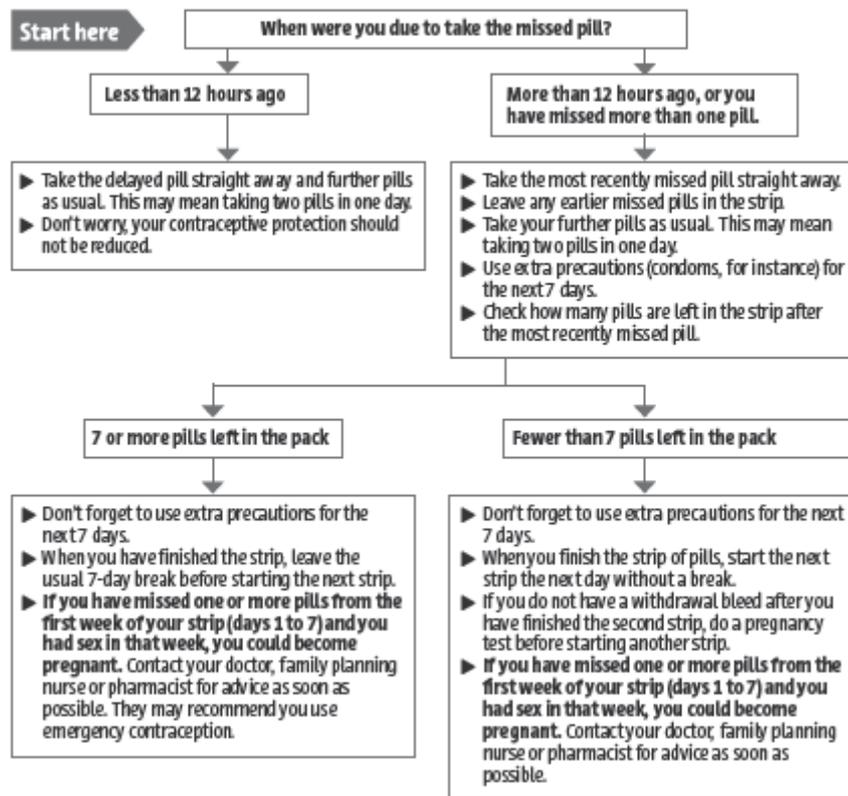
If you have had a miscarriage or an abortion **after the third month** of pregnancy, ask your doctor for advice. You may need to use extra contraception, such as condoms, for a short time.

Contraception after having a baby

If you have just had a baby, your doctor may advise you that Logynon should be started 21 days after delivery provided that you are fully mobile. You do not have to wait for a period. You will need to use another method of contraception, such as a condom, until you start Logynon and for the first 7 days of pill taking.

3.3 A missed pill

If you miss a pill, follow these instructions:



If you have missed any of the pills in a strip, and you do not bleed in the first pill-free break, you may be pregnant. Contact your doctor or family planning clinic, or do a pregnancy test yourself.

If you start a new strip of pills late, or make your ‘week off’ longer than seven days, you may not be protected from pregnancy. If you had sex in the last seven days, ask your doctor, family planning nurse or pharmacist for advice. You may need to consider emergency contraception. You should also use extra contraception, such as a condom, for seven days.

3.4 A lost pill

If you lose a pill,

Either take the last pill of the strip in place of the lost pill. Then take all the other pills on their proper days. Your cycle will be one day shorter than normal, but your contraceptive protection won't be affected. After your seven pill-free days you will have a new starting day, one day earlier than before.

Or if you do not want to change the starting day of your cycle, take a pill from a spare strip if you have one. Then take all the other pills from your current strip as usual. You can then keep the opened spare strip in case you lose any more pills.

3.5 If you are sick or have diarrhoea

If you are sick (*vomit*) or have very bad diarrhoea within 4 hours of taking the Pill, your body may not get its usual dose of hormones from that pill. If you are **better within 12 hours of taking Logynon**, follow the instructions in section 3.4 *A lost pill*, which describes how to take another pill.

If you are still sick or have diarrhoea **more than 12 hours after taking Logynon**, see section 3.3, *A missed pill*.

→ **Talk to your doctor if your stomach upset carries on or gets worse.** He or she may recommend another form of contraception.

3.6 Missed a period – could you be pregnant?

Occasionally, you may miss a withdrawal bleed. This could mean that you are pregnant, but that is very unlikely if you have taken your pills correctly. Start your next strip at the normal time. If you think that you might have put yourself at risk of pregnancy (for example, by missing pills or taking other medicines), or if you miss a second bleed, you should do a pregnancy test. You can buy these from the chemist or get a free test at your family planning clinic or doctors surgery. If you are pregnant, stop taking Logynon and see your doctor.

3.7 Taking more than one pill should not cause harm

It is unlikely that taking more than one pill will do you any harm, but you may feel sick, vomit or have some vaginal bleeding. Talk to your doctor if you have any of these symptoms.

3.8 When you want to get pregnant

If you are planning a baby, it's best to use another method of contraception after stopping Logynon until you have had a proper period. Your doctor or midwife relies on the date of your last natural period to tell you when your baby is due. However, it will not cause you or the baby any harm if you get pregnant straight away.

4. Possible side effects

Like all medicines, Logynon can cause side effects, although not everybody gets them.

→ **Tell your doctor, pharmacist or family planning nurse** if you are worried about any side effects which you think may be due to Logynon.

4.1 Serious side effects – see a doctor straight away

Signs of a blood clot:

- a **migraine** for the first time, a migraine that is worse than normal, or unusually frequent or severe **headaches**

- any sudden **changes to your eyesight** (such as loss of vision or blurred vision)
- any sudden **changes to your hearing, speech, sense of smell, taste or touch**
- **pain or swelling in your leg**
- **stabbing pain when you breathe**
- **coughing** for no apparent reason
- **pain and tightness in the chest**
- sudden **weakness** or **numbness** in one side or part of your body
- **dizziness** or **fainting**.

Signs of a severe allergic reaction or worsening of hereditary angioedema:

- **swelling** of the **hands, face, lips, mouth, tongue** or **throat**. A swollen tongue/throat may lead to **difficulty swallowing and breathing**
- a red bumpy rash (*hives*) and itching.

Signs of breast cancer include:

- **dimpling** of the skin
- **changes in the nipple**
- any **lumps** you can see or feel.

Signs of cancer of the cervix include:

- **vaginal discharge** that smells and/or contains blood
- unusual **vaginal bleeding**
- **pelvic pain**
- **painful sex**.

Signs of severe liver problems include:

- severe **pain in your upper abdomen**
- **yellow skin or eyes** (*jaundice*)
- **inflammation of the liver** (*hepatitis*)
- your whole body starts **itching**.

→ **If you think you may have any of these, see a doctor straight away.** You may need to stop taking Logynon.

4.2 Less serious side effects

Common side effects (between 100 and 1000 in every 10,000 users may be affected)

- **feeling sick**
- **stomach ache**
- **putting on weight**
- **headaches**
- **depressive moods** or **mood swings**
- **sore or painful breasts**

Uncommon side effects (between 10 and 100 in every 10,000 users may be affected)

- **being sick** and **stomach upsets**
- **fluid retention**

- **migraine**
- **loss of interest in sex**
- **breast enlargement**
- **skin rash, which may be itchy**

Rare side effects (between 1 and 10 in every 10,000 users may be affected)

- **poor tolerance of contact lenses**
- **losing weight**
- **increase of interest in sex**
- **vaginal or breast discharge**

Other side effects reported

- **Bleeding and spotting between your periods** can sometimes occur for the first few months but this usually stops once your body has adjusted to Logynon. If it continues, becomes heavy or starts again, contact your doctor (see section 4.3)
- **Chloasma** (yellow brown patches on the skin). This may happen even if you have been using Logynon for a number of months. Chloasma may be reduced by avoiding too much sunlight and/or UV lamps
- Occurrence or deterioration of the movement disorder **chorea**
- **Crohn's disease** or **ulcerative colitis**
- **Conditions that may worsen during pregnancy or previous use of the Pill:**
 - **yellowing of the skin** (*jaundice*)
 - **persistent itching** (*pruritus*)
 - **kidney or liver problems**
 - **gall stones**
 - certain rare medical conditions such as **systemic lupus erythematosus**
 - **blister-like rash** (*herpes gestationis*) whilst pregnant
 - an inherited form of deafness (*otosclerosis*)
 - a personal or family history of a form of **sickle cell disease**
 - **swelling of body parts** (*hereditary angioedema*)
 - an inherited disease called **porphyria**
 - **cancer of the cervix**

→ **Tell your doctor, pharmacist or family planning nurse** if you are worried about any side effects which you think may be due to Logynon. Also tell them if any existing conditions get worse while you are taking Logynon.

4.3 Bleeding between periods should not last long

A few women have a little unexpected bleeding or spotting while they are taking Logynon, especially during the first few months. Normally, this bleeding is nothing to worry about and will stop after a day or two. Keep taking Logynon as usual. The problem should disappear after the first few strips.

You may also have unexpected bleeding if you are not taking your pills regularly, so try to take your pill at the same time every day. Also, unexpected bleeding can sometimes be caused by other medicines.

→ **Make an appointment to see your doctor** if you get breakthrough bleeding or spotting that:

- carries on for more than the first few months
- starts after you've been taking Logynon for a while
- carries on even after you've stopped taking Logynon.

5. How to store Logynon

Keep all medicines out of the reach and sight of children.

Do not use Logynon after the expiry date shown on the strip.

Do not throw away any medicines down a drain or into a bin. Ask your pharmacist what to do with any medicines you do not want. This will help to protect the environment.

6. What is in Logynon and who makes it

What is in Logynon

Each box of Logynon contains three strips of 21 tablets.

Each strip of Logynon contains:

6 light brown tablets containing 50 micrograms levonorgestrel and 30 micrograms ethinylestradiol
5 white tablets containing 75 micrograms levonorgestrel and 40 micrograms ethinylestradiol
10 ochre tablets containing 125 micrograms levonorgestrel and 30 micrograms ethinylestradiol

All tablets are sugar-coated.

Levonorgestrel is a progestogen and ethinylestradiol is an oestrogen.

Logynon also contains the inactive ingredients:

Lactose, maize starch, povidone, magnesium stearate (E572), sucrose, polyethylene glycol 6000, calcium carbonate (E170), talc, montan glycol wax, glycerin (E422), titanium dioxide (E171), ferric oxide pigment (red and yellow) (E172).

The company that holds the product licence for Logynon is:

Bayer plc, Bayer House, Strawberry Hill, Newbury, Berkshire, RG14 1JA.

Logynon is made by:

Bayer Pharma AG, Berlin, Germany

or

Bayer Weimar GmbH & Co KG, Weimar, Germany.

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