

YOUR LEMTRADA® TREATMENT GUIDE

Important information for patients starting therapy with LEMTRADA® for relapsing forms of multiple sclerosis (MS)

Important safety information you should know when starting therapy with LEMTRADA (alemtuzumab)

This Guide is to be carefully reviewed with your doctor when you're first prescribed LEMTRADA and on a regular basis at follow-up visits.

LEMTRADA®
alemtuzumab^{12mg}_{IV}

sanofi



RISK MINIMISATION INFORMATION FOR PATIENTS

Table of Contents

1	INTRODUCTION TO LEMTRADA	pg. 4
2	OVERVIEW OF LEMTRADA TREATMENT	pg. 5
3	LEMTRADA TREATMENT	pg. 8
4	SIDE EFFECTS	pg. 12
5	OTHER HELPFUL INFORMATION	pg. 18
6	HELPFUL TERMS TO KNOW	pg. 19
7	HOW TO REACH YOUR DOCTORS	pg. 21

WELCOME

Your doctor has prescribed Lemtrada treatment for you as the possible benefits outweigh the risks. Due to those risks, your doctor has given you this LEMTRADA Patient Guide and a LEMTRADA Patient Alert Card to inform you about your current treatment with LEMTRADA.

- > This guide has been created to support you in identifying the symptoms of the side effects that have been reported with the use of LEMTRADA, as well as outlining the importance of being compliant with testing, vigilant for symptoms and to seek immediate medical attention should they occur. Side effects that may occur shortly after LEMTRADA infusion (within 1—3 days of infusion) or later, include infections and other serious reactions. Delayed side effects include autoimmune disorders that can develop with a delay of months to years after treatment with LEMTRADA; these are conditions in which your immune system mistakenly attacks your body

There's also a section in this guide that will help you to understand some of the medical terms used in this document, and a section to keep a note of the contact details of all the doctors you may be seeing for your healthcare. This includes the doctor treating your multiple sclerosis (MS) as well as any other doctor you see on a regular basis

This LEMTRADA Patient Guide is to be carefully reviewed with your doctor when you're first prescribed LEMTRADA and on a regular basis at follow-up visits

- > The purpose of your LEMTRADA Patient Alert Card is to inform healthcare professionals about your LEMTRADA treatment. **You must carry your LEMTRADA Patient Alert Card with you at all times and show it to any member of the medical team involved in your care (including for non-MS conditions) and in the event of a medical emergency**

This guide is not intended to replace any discussions you have with your doctor or the Consumer Medicines Information (CMI) for LEMTRADA which you should still read in full. Make sure you tell your doctor if you notice any of the signs or symptoms of side effects described in this guide.

SECTION 1: INTRODUCTION TO LEMTRADA

What is LEMTRADA and how does it work?

LEMTRADA is a medicine used to treat relapsing forms of multiple sclerosis (MS). LEMTRADA does not cure MS but it can decrease the number of MS relapses. It can also slow down the progression of physical disability. In clinical studies, patients treated with LEMTRADA had fewer relapses and were less likely to experience disability progression compared to patients treated with beta-interferon injections. MS is an autoimmune condition affecting the central nervous system (brain and spinal cord). In MS the immune system, which usually protects the body from bacteria and other harmful agents, attacks the protective layer (myelin) around the nerve fibres of your central nervous system, causing inflammation. When the inflammation causes you to have symptoms this is often called a “relapse” or “attack”.

LEMTRADA adjusts your immune system to limit its attacks on your nervous system. After treatment with LEMTRADA, you may be at risk of developing side effects. It’s important that you understand what these risks are and how to monitor for them.

SECTION 2: OVERVIEW OF LEMTRADA TREATMENT

How is LEMTRADA given?

LEMTRADA is given in at least two courses of treatment. The initial course will be given once daily for 5 consecutive days. Then, 1 year later, the next course will be given once daily for 3 consecutive days. Studies have shown that most two courses work for most patients for 6 years or longer. However, in some patients, one or two additional courses of 3 consecutive days may be needed in the years after the initial 2 courses.

LEMTRADA is given as an infusion into a vein. The infusion will take approximately 4 hours, or longer if you have side effects which may require the infusion to be stopped or slowed down. You will be observed for approximately 2 hours after your infusion to ensure you are well. Most patients treated with LEMTRADA will experience side effects, which are usually mild, at the time of the infusion or within 24 hours after the infusion.

You will need to be regularly monitored for side effects for at least 48 months after your last infusion of LEMTRADA (see 'Will I need to have any tests done after treatment with LEMTRADA?')

Do I need to do anything before I can be treated with LEMTRADA?

To make sure LEMTRADA is the right therapy for you, your doctor needs some information. Therefore, you need to inform your doctor about:

- > All medicines that you're taking
- > If you're suffering from any infection
- > If you've been diagnosed with cancer
- > If you've been diagnosed with abnormalities of the cervix (the neck of the womb)
- > If you're pregnant or plan to become pregnant very soon
- > If you're suffering from hypertension or other concomitant disorders
- > If you've suffered in the past from heart attack or chest pain, tears in blood vessels, cerebral haemorrhage, bleeding disorder, or other autoimmune conditions (besides MS)

Your doctor will also carry out checks and offer treatment and advice before starting your infusion course that may help to reduce your risk of infusion-associated reactions and infections after your LEMTRADA treatment. These include:

> **Vaccination check**

- If you've not yet done so, you may be advised to complete your local vaccination programme at least 6 weeks before starting treatment
- You may also be advised to receive additional vaccinations before you start treatment

> **Tuberculosis screening**

- If you live in an area where tuberculosis is often seen, your doctor will arrange a screening

> **Dietary recommendation**

- To reduce your risk of infections after treatment, your doctor will recommend that you avoid uncooked or undercooked meats, soft cheeses and unpasteurised dairy products two weeks prior to, during and for at least 1 month after your LEMTRADA infusion

> **Pre-treatment**

- To reduce your risk of infusion-associated reactions, your doctor will give you corticosteroid treatment before the first 3 infusions of each of your LEMTRADA treatment courses
- Other treatments to limit these reactions can also be given before infusions

> **Vital signs check**

- Your doctor will check your vital signs, including blood pressure and heart rate, before you start your treatment

> **Blood and urine tests**

- Will be performed before you start your LEMTRADA treatment

Will I need to have any tests done after treatment with LEMTRADA?

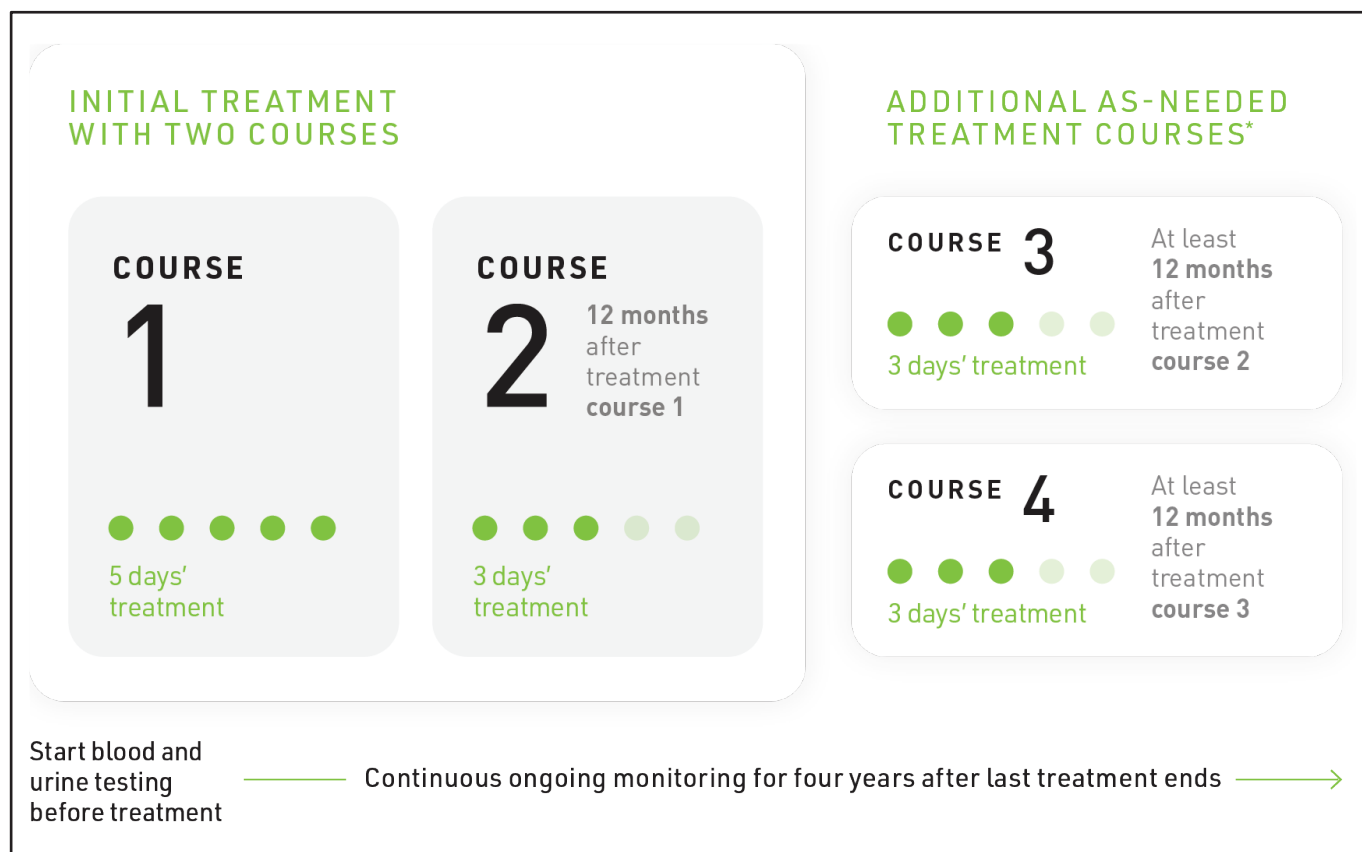
Treatment with LEMTRADA may increase the risk of autoimmune conditions (conditions in which your immune system mistakenly attacks your body). These are delayed side effects which can occur many years after your treatment (described in Section 3 of this guide). You will therefore need to commit to monthly monitoring, undertaking blood and urine tests for at least 48 months after your last LEMTRADA infusion. Your doctor will check the results of these tests to see if you have developed any side effect(s).

It's very important that you continue to have these checks for at least 48 months after your last course of treatment with LEMTRADA, even if you are feeling well (this means that you have no symptoms of side effects) and your MS symptoms are under control. Side effects can even occur years after your last course of treatment with LEMTRADA, when your monthly checks are no longer required. In some cases, side effects can be life-threatening, so it's very important that you continue to be checked and keep an eye out for symptoms. By doing so, any problems will most likely be detected early and treatment can start right away.

You and your doctor will work together to make sure that these tests are done, and plan them around your day-to-day life. If you're a woman, it's also important to avoid urine testing during your menstrual periods as this may give a false result.

To help you better understand the timescale of possible treatment side effects and the length of required follow-up, see Figure 1 below.

Figure 1 - Duration of the effects of treatment and the length of required follow-up



***Note:** A study following patients for 6 years after first infusion (course 1) has shown that a majority of patients do not need further treatment after the 2 initial treatment courses

The following table shows you which tests are done, when, and for how long.

TABLE 1 – SUMMARY OF MONITORING TESTS

Monitoring test	When?	For how long?
Observation	> Immediately after each infusion	> For at least 2 hours. If you start to display signs and/or symptoms of serious side effects, you will be monitored until they are resolved
ECG and vital signs, including heart rate and BP	> Baseline tests before infusion > Frequent monitoring of heart rate, BP and overall clinical status at least once every hour during your infusion	> Once before each infusion and at least once every hour for the total duration of infusions
Blood and urine tests	> Before treatment starts and once every month after finishing each treatment course	> Monthly, for at least 48 months after your last LEMTRADA infusion

SECTION 3: LEMTRADA TREATMENT

Your guide to LEMTRADA treatment

The following table is a guide to LEMTRADA treatment. Your healthcare team will determine the best treatment course and medications for you. Medications should only be taken as prescribed by your healthcare team.

Prior to LEMTRADA treatment

Complete baseline tests

LEMTRADA treatment - first course

Pre-infusion	Infusion (~4 hours per day for 5 days)					Post-infusion
1 day before	Day 1	Day 2	Day 3	Day 4	Day 5	1 month after
Allergy- and fever-reducing medications*						
	Medications to reduce risk of infection*					
	Medications to reduce infusion associated reactions*					
Women of childbearing potential should use effective contraception during each course of treatment with Lemtrada and for 4 months afterwards						

*Medications should be taken as per instructions from your healthcare team

Post-treatment monitoring

Every month	Every 3 months	Every year
<ul style="list-style-type: none"> > Full blood count > Serum creatinine > Urinalysis with cell counts > Serum transaminases 	<ul style="list-style-type: none"> > Thyroid function test 	<ul style="list-style-type: none"> > HPV screening for women

- > Monitoring commences after your first treatment course and continues until 48 months after your last treatment course e.g. for two treatment courses 12 months apart, this is a total of 60 months (5 years).
- > For the first treatment course, you will receive LEMTRADA 12 mg once daily for 5 consecutive days.
- > A second course of LEMTRADA is given one year later. The process will be similar to the first course but you will receive LEMTRADA 12 mg once daily for 3 consecutive days instead of 5 days. There is no LEMTRADA treatment between the two courses.
- > Patients who receive Lemtrada have an increased chance of getting an infection caused by the bacteria, *Listeria*. To reduce your risk of infections after treatment, avoid uncooked or undercooked meats, soft cheeses and unpasteurised dairy products two weeks prior to, during and for at least 1 month after your LEMTRADA infusion

Practical tips for your LEMTRADA treatment

There are ways you can prepare yourself for your LEMTRADA treatment course. Remember to follow all instructions that your healthcare team gives you. Please use these checklists to help you get ready for your treatment.

At least 1 month before treatment:

- > **Work with your healthcare team to schedule** your LEMTRADA treatment appointments—the first course is given over 5 consecutive days
- > **Make plans** to cover such things as work coverage, transportation and childcare
- > **Learn** about your treatment centre's policies, including food, entertainment, visitors, etc
- > **Follow** any instructions your healthcare team has given you (for example, completing lab tests or receiving vaccinations)
- > **Register** for MS One to One (OPTIONAL)

The day before treatment:

- > **Take** pre-treatment medications prescribed by your healthcare team
- > **Rest**
- > **Drink** water to stay hydrated
- > **Pack** a travel bag for your visit to the treatment centre. Suggested items to bring with you include:
 - Water or water bottle
 - Food/snacks
 - Entertainment or activities
 - Headphones
 - Blanket/jacket

At least 1 week before treatment:

- > **Confirm** your treatment appointments
- > **Pick up** medications to take during the week of and weeks following treatment, if prescribed by your healthcare team
- > **Confirm** how you will get to your treatment appointments. You may want someone else to help you get to and from your appointments

Days of treatment:

- > **Take** pre-treatment medications prescribed by your healthcare team
- > **Bring** the bag you packed
- > **Wear** layered, comfortable clothing
- > **Arrive** early to your appointments
- > **Drink** water to stay hydrated before, during and after your treatments
- > **Alert** a healthcare professional right away if any side effect occurs during your treatments
- > **Receive** post-infusion instructions and monitoring information

After-treatment care

After treatment, you may experience infusion-related side effects and your risk of infection may be greater because LEMTRADA lowers some of your white blood cells for a period of time after treatment. However, there are things you can do to help prevent infections. In addition to your healthcare team's instructions, use this guide to help you take care of yourself after your treatment course of LEMTRADA.

In the days after you complete a treatment course of LEMTRADA, be sure to:

- > Watch for signs of any infusion-related side effects
- > Alert your healthcare team immediately if you experience any reactions or side effects
- > Rest and don't overexert yourself
- > Stay hydrated
- > Wash your hands and use hand sanitiser. Ask adults and children around you to wash their hands more frequently
- > Avoid situations that could expose you to germs
- > Ensure you have organised your monthly blood and urine tests. Your doctor may have recommended using the BLOODWATCH monitoring service for these tests
- > Attend all follow-up appointments

Your healthcare team may also prescribe the following medications, which you should remember to take:

- > Preventive medicine for viral infection should be taken during and for at least 1 month after each treatment course
- > Effective contraception should be used for 4 months after each treatment course

You will also need to keep to your regular monitoring schedule and commit to:

- > **Completing recommended monitoring, which includes:**
 - monthly blood test
 - monthly urine test
 - thyroid function test every 3 months
 - yearly HPV tests for women
- > **Performing symptom self-checks** on a regular (at least monthly) basis to inspect your body for signs and symptoms of serious side effects

SECTION 4: SIDE EFFECTS

As mentioned earlier in this guide, treatment with LEMTRADA may put you at risk of contracting serious infections, experiencing side effects that mainly occur during or shortly after the infusion (within 1–3 days) or later, or developing delayed side effects, that can occur months to years after treatment with LEMTRADA.

Potentially serious infusion-associated side effects that usually occur during or shortly after the infusion include:

- > Heart attack
- > Stroke
- > Tears in blood vessels supplying the brain
- > Bleeding in the lung
- > Thrombocytopenia

Delayed side effects that may occur with a delay of months to years after infusion:

- > Thyroid disorders
- > Immune thrombocytopenic purpura (ITP)
- > Kidney problems, including nephropathies such as anti-Glomerular Basement Membrane disease (anti-GBM disease)
- > Autoimmune hepatitis
- > Haemophagocytic lymphohistiocytosis (HLH)
- > Acquired haemophilia A
- > Thrombotic thrombocytopenic purpura (TTP)
- > Adult onset Still's disease (AOSD)
- > Autoimmune encephalitis (AIE)

Early identification of these conditions is vital, as delays in diagnosis and treatment increases the risk of complications. This is why it's so important to recognise and immediately report any signs or symptoms of these conditions to your doctor or go to the hospital.

In the following sections, you will learn more about each of these side effects, including the signs and symptoms that you may experience with them and what to do if they happen.

Serious infections

Receiving treatment with LEMTRADA can put you at risk of getting a serious infection. If you develop symptoms of a serious infection such as persistent fever, chills, fatigue or not feeling well, you may have to go to hospital for treatment.

You should also report symptoms like shortness of breath, cough, wheezing, chest pain or tightness and coughing up blood to your doctor, as these may be caused by pneumonitis.

When attending hospital with any symptoms of infection, it's important that you tell doctors that you have received treatment with LEMTRADA.

Make sure you tell your doctor if you are suffering from a serious infection before you start your LEMTRADA treatment. Your doctor should delay the treatment until the infection has been resolved.

RARE BRAIN INFECTION (PML)

There have been cases of a rare brain infection called PML (progressive multifocal leukoencephalopathy) in patients who have been given Lemtrada. PML has been reported in patients with other risk factors, specifically prior treatment with MS products associated with PML.

PML symptoms may be similar to a relapse of MS. You should contact your doctor immediately if you develop any symptoms like progressive weakness or clumsiness of limbs, disturbance of vision, speech difficulties or changes in thinking, memory, and orientation leading to confusion and personality changes. It is important to inform your relatives or caregivers about your treatment, since they may notice symptoms that you are not aware of.

SERIOUS SIDE EFFECTS OCCURRING SHORTLY AFTER LEMTRADA INFUSION

When prescribed LEMTRADA, you can be at risk of developing serious side effects that occur during or shortly after infusion. In the majority of cases, onset of these reactions is within 1–3 days of LEMTRADA infusion, but some may occur weeks later. Tell your doctor right away if you develop any of the following symptoms: trouble breathing, chest pain, facial drooping, sudden severe headache, weakness on one side of the body, difficulty with speech, neck pain or coughing up blood.

DELAYED AUTOIMMUNE SIDE EFFECTS

Treatment with LEMTRADA may increase the risk of autoimmune conditions. These are conditions in which your immune system mistakenly attacks your body and these can occur many years after treatment. Therefore, regular blood and urine tests are needed until 48 months after your last infusion. Testing is needed even if you're feeling well and your MS symptoms are under control. In addition, these conditions may occur beyond 48 months, therefore, you must continue to look for signs and symptoms, even after you no longer need to have monthly blood and urine tests.

1. Thyroid disorders

The thyroid is a gland in the lower part of the neck that produces hormones which are involved in several processes throughout your body. In some people, the immune system mistakenly attacks the cells of the thyroid gland (autoimmune thyroid condition). This affects its ability to make and control the level of hormones that are important for metabolism.

LEMTRADA can cause thyroid disorders, including:

- > **Overactive thyroid gland (also called hyperthyroidism):** When the thyroid produces too much hormone
- > **Underactive thyroid gland (also called hypothyroidism):** When the thyroid does not produce enough hormone

Your thyroid function will be checked before you start your treatment with LEMTRADA, and every 3 months after your initial treatment course for at least 48 months after your last infusion. This blood test will help your doctor to detect any thyroid disorders early.

What are the signs and symptoms of an overactive thyroid?

Symptoms may include:

- > Excessive sweating
- > Unexplained weight loss
- > Eye swelling
- > Nervousness
- > Fast heartbeat

What are the signs and symptoms of an underactive thyroid?

Symptoms may include:

- > Unexplained weight gain
- > Feeling cold
- > Worsening tiredness
- > Newly occurring constipation

What should I do if I develop a thyroid disorder?

Tell your doctor if you experience any of the above symptoms.

Depending on the type of thyroid disorder you are experiencing, your doctor will decide which treatment is best for you. It's very important that you follow your doctor's recommendations to be sure that you benefit most from your treatment.

If you develop a thyroid disorder after receiving LEMTRADA, it's very important that you're properly treated for it, especially if you're female and become pregnant. Having an untreated thyroid disorder could harm your baby before it's born or after birth. Thyroid function tests must always be taken in case of pregnancy.

2. Immune thrombocytopenic purpura (ITP)

ITP is a condition which results in a low number of platelets in the blood. Serious ITP occurs in approx. 1% of patients taking LEMTRADA. Platelets are necessary for normal blood clotting. As a result, ITP can cause severe bleeding. It's treatable if detected promptly, but if left untreated it can lead to serious health problems and may be fatal.

A blood test will help your doctor monitor for changes in your platelet count, and catch ITP early should it arise. Therefore, your doctor will run a blood test before starting your LEMTRADA treatment, and on a monthly basis which continues for at least 48 months following your last treatment course.

It's important to note that ITP can start quickly and may occur in between the blood tests. It's therefore essential that you remain vigilant for signs and symptoms.

What are the signs and symptoms of ITP?



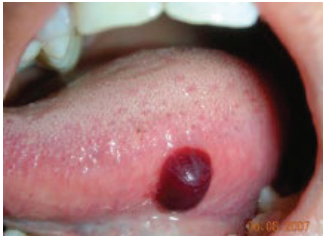
- > Small scattered spots on your skin that are red, pink or purple
- > Easy bruising
- > Bleeding from a cut that is harder to stop than usual
- > Heavier, longer or more frequent menstrual periods than normal
- > Bleeding between your menstrual periods
- > Bleeding from your gums or nose that is new or takes longer than usual to stop
- > Coughing up blood

Take a look at Figure 2 which shows examples of bruises and rashes caused by ITP.

What if I develop ITP?

It's best to identify and treat ITP as early as possible. That is why it's so important that you continue to have your monthly blood test, which could detect a problem before you notice any symptoms. It's also important that you, your family members and/or caregivers are watching out for the signs and symptoms described in this guide. Delaying treatment of ITP increases the chance of more serious problems.

FIGURE 2 – EXAMPLES OF BRUISES AND RASHES CAUSED BY ITP

Examples of ITP		
<p>Note: These pictures are only a guide in order to show examples of bruises or petechiae. The patient may have a less severe type of bruise or petechiae than these pictures and still have ITP.</p>		
		
<p><i>Example of arms with easy or excessive bruising.</i></p> <p>Where on the body? Bruises may occur anywhere on your body, not just on your arms.</p>	<p><i>Example of leg with scattered spots under the skin that are red, pink or purple. They might look like pin pricks (petechia) or they can be a little bigger (purpura – not shown).</i></p> <p>Where on the body? These spots can occur anywhere on your body, not just on your legs</p>	<p><i>Example of purpura due to bleeding under the tongue.</i></p> <p>Where on the body? Petechia and purpura may occur anywhere in your mouth - under the tongue, on the roof of your mouth, on your inner cheeks, on your tongue or on your gums.</p>

If detected early, ITP is usually treatable. If you develop ITP, you and your doctor will decide which treatment is best for you.

If you notice any of the signs or symptoms described above, contact your doctor right away to report the symptoms. If you cannot reach your doctor, seek immediate medical attention and show them your LEMTRADA Patient Alert Card.

3. Kidney problems, including nephropathies such as anti-GBM disease

LEMTRADA can sometimes cause kidney problems, including a condition known as anti-Glomerular Basement Membrane or anti-GBM disease. Anti-GBM disease is an autoimmune condition that can result in severe damage to the kidneys. If left untreated, anti-GBM disease can cause kidney failure that requires chronic dialysis or transplantation, and may eventually lead to death.

Blood and urine tests will help your doctor to monitor for signs of kidney disease and catch any problems early should they arise. Your doctor will run blood and urine tests before starting LEMTRADA, and on a monthly basis that will continue for at least 48 months after your last initial treatment. If you're a woman, it is also important to avoid urine testing during your menstrual period as this may give a false result.

You should be aware of the signs and symptoms of anti-GBM disease and report them to your doctor if you spot any of them.

What are the signs and symptoms of kidney problems, such as anti-GBM disease?

- > Blood in the urine: your urine may be red or tea-coloured
- > Swelling: in your legs or feet

In some cases, anti-GBM disease can also cause damage to your lungs, which may result in coughing up blood.

What if I develop kidney problems?

Kidney problems are usually treatable. However, it's best to begin treatment as early as possible. It's important that you are familiar with the signs and symptoms of kidney problems and anti-GBM disease, and attend your regular blood and urine tests. Kidney problems will almost always need treatment.

If you notice any of the signs or symptoms described above, contact your doctor immediately to report them. If you cannot reach your doctor, make sure that you seek immediate medical attention.

4. Autoimmune hepatitis

Some people have developed liver inflammation, also known as autoimmune hepatitis, after receiving LEMTRADA. If you experience unexplained nausea, vomiting, abdominal pain and/or swelling, fatigue, loss of appetite, yellow skin and eyes and/or dark urine, or bleeding or bruising more easily than normal, report this to your doctor.

5. Haemophagocytic lymphohistiocytosis (HLH)

HLH is a life-threatening condition that occurs when specific immune cells become overactive, causing too much inflammation. Ordinarily, these cells should destroy infected, damaged cells of the body. But in HLH, they start to damage your own tissues and organs, including the liver and bone marrow where blood is made. HLH can be challenging to diagnose because the initial symptoms may mimic other problems such as common infections. If you experience unexplained high fever, severe headache, stiff neck, lymph node enlargement, yellow skin, or skin rash you must call your doctor right away to report the symptoms.

6. Acquired haemophilia A

When treated with LEMTRADA it's possible that you may develop a disorder called acquired haemophilia A. This is a bleeding disorder caused by antibodies that work against a protein needed for normal clotting of the blood, and can cause you to develop complications associated with abnormal, uncontrolled bleeding into the muscles, skin and soft tissue and during surgery or following trauma. This condition must be diagnosed and treated immediately. If you experience spontaneous bruising, nose bleeds, painful or swollen joints, other types of bleeding, or bleeding from a cut that may longer than usual to stop, you must call your doctor right away to report the symptoms.

7. Thrombotic thrombocytopenic purpura (TTP)

TTP is a disease where blood clots form inside blood vessels and this can occur with LEMTRADA. TTP can occur all over the body and it needs to be treated in a hospital right away, because it can cause death. Get medical help right away if you have any of these symptoms: Purplish spots on the skin or in the mouth, yellow skin and eyes and/or dark urine, tiredness or weakness, very pale skin, fever, fast heartbeat or shortness of breath, headache, speech changes, confusion, coma, stroke, seizure, stomach area pain, nausea, vomiting, or diarrhoea, vision changes, persistent low sugar.

8. Adult onset Still's disease (AOSD)

AOSD is a rare condition that has the potential to cause multi-organ inflammation with several symptoms such as fever $>39^{\circ}\text{C}$ or 102.2°F lasting more than 1 week, pain, stiffness with or without swelling in multiple joints and/or a skin rash. If you experience a combination of these symptoms, contact your healthcare provider immediately.

9. Autoimmune encephalitis (AIE)

This autoimmune condition (an immune mediated brain disorder) can occur after receiving LEMTRADA. This condition may include symptoms such as behavioural and/or psychiatric changes, movement disorders, short term memory loss or seizures as well as other symptoms which may resemble an MS relapse. If you experience one or more of these symptoms, contact your healthcare providers.

IMPORTANT!

Since all of these delayed side effects can occur long after you received a course of treatment with LEMTRADA, it's very important that you continue to have your monthly tests (even if you are feeling well).

You must also continue to watch out for signs and symptoms for at least 48 months after your last course of treatment with LEMTRADA:

- > Early detection and diagnosis may give you the best opportunity for recovery
- > Carry your LEMTRADA Patient Alert Card with you and show it to any healthcare providers who are providing you treatment (including for non-MS conditions) and in the event of a medical emergency

SECTION 5: OTHER HELPFUL INFORMATION

Vaccinations

Before receiving each course of your treatment with LEMTRADA, your doctor will check that you are up to date with your vaccinations. If you need a vaccination, you will have to wait for 6 weeks after vaccination to start your LEMTRADA treatment. Tell your doctor if you have had a vaccination within the last 6 weeks.

Fertility

You may have LEMTRADA in your body during your treatment course and for 4 months after, and it's not known if LEMTRADA will have an effect on fertility during this period. Talk to your doctor if you are or are thinking about trying to become pregnant.

Pregnancy and contraception

It's not known if LEMTRADA could harm an unborn child. You should use effective contraception during treatment with LEMTRADA and for 4 months after each course of treatment to ensure there's no LEMTRADA left in your body before you conceive a child. Make sure you tell your doctor if you are planning to become pregnant.

If you're already pregnant or plan to become pregnant soon, you should ask your doctor for advice before starting treatment with LEMTRADA.

Tell your doctor right away if you become pregnant during your treatment course or within 4 months of receiving a LEMTRADA infusion. If you become pregnant after treatment with LEMTRADA and experience a thyroid disorder during pregnancy, extra caution is needed as thyroid disorders can be harmful to an unborn baby.

Breastfeeding

It's unknown if LEMTRADA can be transferred to a baby through breast milk, but it is a possibility. It's therefore recommended that you do not breastfeed during any course of treatment and for 4 months after each LEMTRADA treatment course. However, there may be benefits of breast milk (which can help to protect a baby from infections), so you should talk to your doctor if you are planning to breastfeed. They will advise you on what is right for you and your baby.

What other information should I tell my doctor?

Be sure to tell your doctor or healthcare team about any new health problems you have developed and any new medicines you have taken since your last appointment. Those medicines may include prescription and non-prescription medicines, vitamins, and herbal supplements. It's important for your doctor to know this to manage your treatment.

SECTION 6: HELPFUL TERMS TO KNOW

Acquired haemophilia A: A bleeding disorder that occurs in people with a personal and family history negative for haemorrhages. In acquired haemophilia A, the body produces antibodies that attack clotting factors, specialised proteins required for the blood to clot normally. Affected individuals develop complications associated with abnormal, uncontrolled bleeding into the muscles, skin and soft tissue and during surgery or following trauma.

Adult onset Still's disease (AOSD): condition that has the potential to cause multi-organ inflammation.

Anti-Glomerular Basement Membrane disease (anti-GBM): A disease caused by the immune system turning against the kidneys and in some cases, the lungs. The kidneys are damaged and do not work properly, or completely fail. As a result you may require dialysis and/or kidney transplantation. If detected promptly it is treatable, but if untreated, it can lead to death.

Autoimmune conditions/disorders: The immune system usually protects the body from bacteria, viruses, and other harmful agents. When the immune system turns against a person's own cells and organs, this is known as an autoimmune disorder or condition. In MS, the immune system mistakes the brain or spinal cord as foreign and damages them. Other autoimmune conditions can damage other organs or blood cells.

Autoimmune encephalitis (AIE): autoimmune condition which may include symptoms such as behavioural and/or psychiatric changes, movement disorders, short term memory loss or seizures as well as other symptoms which may resemble an MS relapse.

Autoimmune hepatitis: A certain type of liver inflammation that occurs when the body's immune system, which ordinarily attacks pathogens (e.g. viruses and bacteria), targets the liver. This attack on your liver can lead to inflammation and cause serious damage to liver cells. If you develop one or more of the following symptoms report this to your doctor: nausea, vomiting, abdominal pain, fatigue, loss of appetite, yellow skin or eyes, dark urine, or bleeding or bruising more easily than normal.

Autoimmune thyroid disorder: A disorder that occurs when the immune system mistakenly attacks the thyroid gland. Autoimmune thyroid disorders are treatable. They can come in different types:

- > Hyperthyroidism: when the thyroid produces too much hormone
- > Hypothyroidism: when the thyroid does not produce enough hormones

Dialysis: A process for removing excess water and waste products from the blood when the kidneys are not working properly.

Haemophagocytic lymphohistiocytosis (HLH): A life-threatening condition that occurs when certain type of immune cells don't work properly. These cells become overactive, causing too much inflammation. In HLH, the immune system begins to damage your own tissues and organs, including the liver and bone marrow where blood is made. HLH can be challenging to diagnose because the initial symptoms may mimic other problems such as common infections. Signs and symptoms of HLH may include: persistent fever, skin rash, swollen glands.

Immune system: Your body's defence system against infection, foreign substances, and abnormal cells.

Infusion: A method of administering a treatment whereby a solution (a liquid containing a medicine) is slowly passed into a vein through a needle.

Immune thrombocytopenic purpura (ITP): A condition which results in a low number of platelets in the blood. Platelets are necessary for normal blood clotting, therefore ITP can cause severe bleeding. ITP is treatable if detected promptly, but if left untreated it can lead to serious health problems and may be fatal.

Platelets: Platelets travel in the bloodstream and are necessary for normal blood clotting. They help stop bleeding by sticking together to form a clot, helping to seal small cuts or breaks in the skin.

PML: Progressive multifocal leukoencephalopathy (brain infection)

Thrombotic thrombocytopenic purpura (TTP): blood clotting problem where blood clots form in blood vessels and can happen all over the body

Thyroid: A gland found in the lower part of your neck. This gland produces hormones that are important for regulating metabolism.

SECTION 7: HOW TO REACH YOUR DOCTORS

To make it easier to contact your healthcare team, write their contact details in the chart below.

Name of doctor or MS nurse	Phone number	Email address





Lemtrada® is a registered trademark of Genzyme Corporation. © 2024 sanofi-aventis australia Pty Ltd
- ALL RIGHTS RESERVED. sanofi-aventis australia Pty Ltd trading as Sanofi, ABN 31 008 558 807.
Talavera Corporate Centre, Building D, 12–24 Talavera Road, Macquarie Park, NSW 2113.
www.sanofi.com.au Date of preparation: July 2024. MAT-AU-2102467 V3 Zest/SAVSY328

