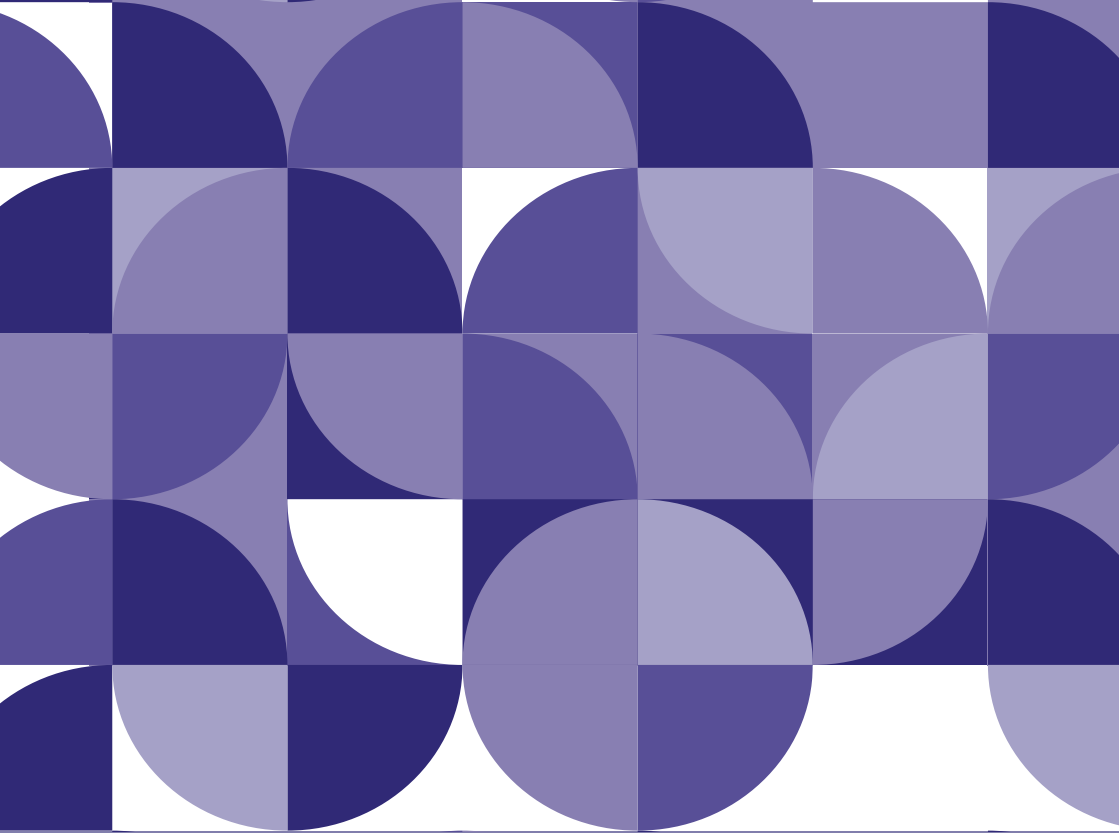




YOUR STUDY INJECTIONS

**Information about the spinal canal injections
in the HORIZON study**

About this brochure

As you know, the HORIZON study is a first-in-human study investigating the safety and tolerability of an investigational medication in adults with multiple system atrophy (MSA). The investigational medication is given as an intrathecal injection (an injection into the cerebrospinal fluid in the spinal canal), which is administered via a procedure known as a lumbar puncture. This brochure will explain what is involved in this procedure to help you decide if you would like to take part in this study.

What will I receive in the HORIZON study?

In Part 1 of the study, you will be randomly assigned to receive either the investigational medication or a placebo. Both look the same and are given in exactly the same way, so this brochure applies to both. And because neither you nor your study doctor will know which you have been given, we will refer to them both as 'your assigned study medication'.

For Part 2 of the study, if you agree to take part after completing Part 1, all participants will receive the investigational medication, even if they received the placebo in Part 1.

How will I receive my assigned study medication?

Your assigned study medication will be given as an intrathecal injection via a lumbar puncture by study personnel trained to do this procedure. This means that the injection will enter the spinal canal at the lower back. We give the study medication in this way to ensure that it reaches the brain directly.



About the lumbar puncture

What will happen before my procedure and how should I prepare?

Before your procedure, specially trained staff will explain to you what is going to happen and why. They will also check your blood pressure and pulse to ensure you are fit for the injection. For your comfort, we recommend you empty your bladder before having the injection. Please note that you will not be allowed to drive yourself home following the procedure, so you must make suitable travel arrangements.



You will be asked to either lie down, or sit up and bend forwards over a table, supported by pillows if needed



This position will help to create space between the different bones in your spine



The doctor will clean your lower back with an antiseptic solution and may inject local anaesthetic to numb the area



While you remain very still, the doctor will insert a hollow needle between two bones in your lower back. The needle is very thin (approximately half a millimetre thick) to reduce pain and discomfort



A small amount of spinal fluid will be collected to measure different things about the disease and investigational medication. This will be done prior to injecting your assigned study medication into your spinal canal



After the needle is removed, a small dressing will be placed over the injection area



You will be encouraged to mobilise as soon as you are feeling able

Are there any precautions I should take afterwards?

To recover from your lumbar puncture as quickly as possible, it is recommended that you:



Drink plenty of fluids



Avoid playing sports or taking part in any strenuous activities for at least 24 hours



Take certain approved painkillers, if your doctor asks you to

Other things to bear in mind:



Remove your dressing the following day



Avoid operating machinery or driving for at least 24 hours

Potential risks

A lumbar puncture is generally a safe procedure commonly used to collect spinal fluid. Some people report pain or discomfort, and side effects are possible. These may include:



Headache



Bleeding at the site of needle entry



Back pain



Infection

With the exception of an unlikely infection, the side effects listed above are usually mild and go away after a couple of days.

Notes

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Next steps

If you would like more information about the study injections, or would like to join the HORIZON study, please contact us using the details below.

CONTACT INFORMATION: