

Together,
let's get to the root of
**Arginase 1 Deficiency
(ARG1-D)**

LOARGYS (pegzilarginase-nbln) is the first and only treatment proven to lower arginine

LOARGYS is a prescription medicine used to treat high levels of arginine in the blood of adults and children 2 years and older with Arginase 1 Deficiency (ARG1-D), along with limiting the amount of protein in their diet.

USE and IMPORTANT SAFETY INFORMATION

What is the most important information I should know about LOARGYS[®]?

Infusion reactions can happen during your infusion of LOARGYS. If you have a reaction while receiving LOARGYS, your doctor or nurse will slow or stop your infusion and treat your reaction. If you have a severe reaction, your doctor may stop treatment completely.

After eight weeks of once weekly intravenous LOARGYS, LOARGYS may be given by an injection under your skin at the doctor's office or at home under the supervision of a doctor or nurse. Administration of LOARGYS by injection under the skin can cause a reaction. If you have a severe reaction, get medical help immediately.

Please see additional Important Safety Information throughout this brochure and full [Prescribing Information](#).

What is ARG1-D?

ARG1-D stands for Arginase 1 Deficiency. You may also hear it called hyperargininemia. It is a rare, inherited disease that causes a toxic build-up of an amino acid in the body called arginine.



When we eat protein, our bodies break it down into amino acids, which we need to grow and stay healthy. This process results in waste (ammonia), which is not needed and is broken down by enzymes in the liver through a process called the urea cycle.

People with ARG1-D are partially or completely missing an enzyme called arginase 1, which is responsible for the last step of the urea cycle and breaks down arginine (an amino acid) to help the body get rid of it. Without this enzyme, the amount of arginine can increase to an unsafe level.

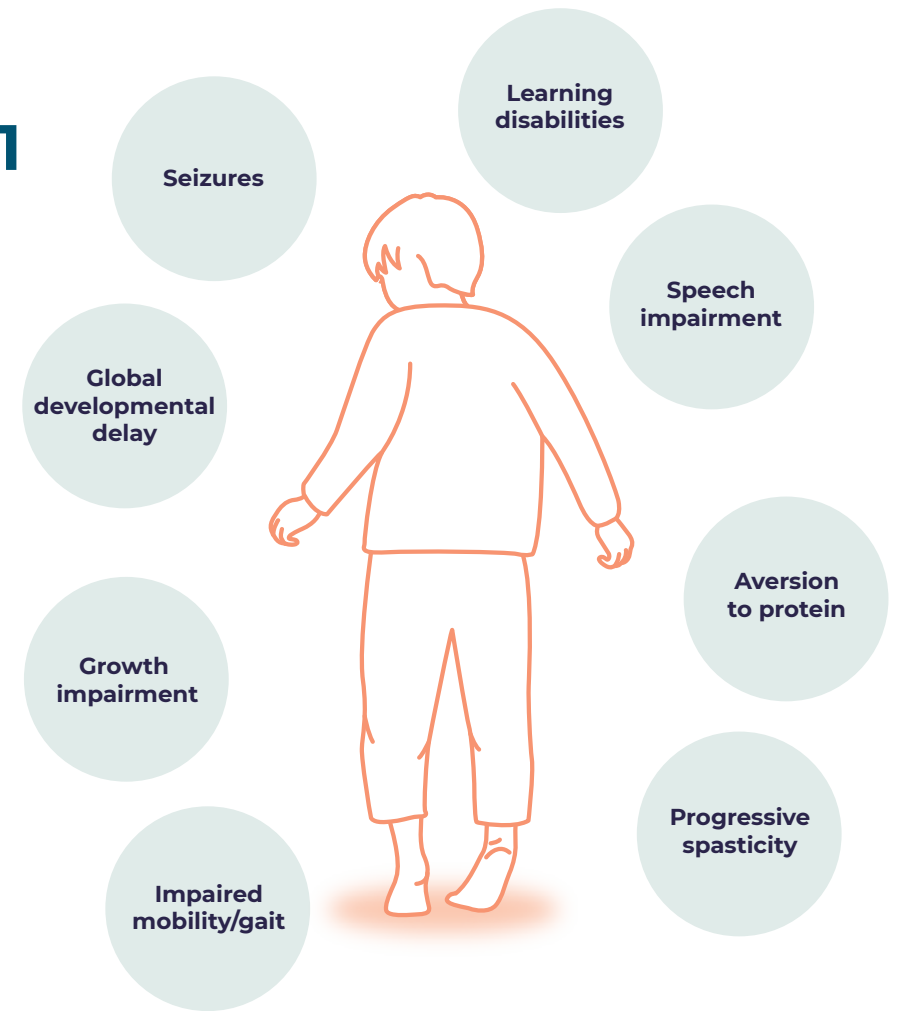


Too much arginine is harmful to the body and may significantly impact one's health. People with ARG1-D may experience progressive symptoms including muscle tightness (spasticity), delayed growth, developmental delay, intellectual disabilities, seizures, impaired mobility, and potentially early death.

Symptoms of Arginase 1 Deficiency

begin in childhood most of the time but can also appear later in life*

*The associated clinical response of this product is not yet confirmed.



ARG1-D symptoms and severity will vary; however, almost all affected children have muscle stiffness and weakness in their legs and experience growth deficiency. Many also experience seizures.

Other common symptoms of ARG1-D include difficulty walking, protein aversion, and learning disabilities.

Dietary restrictions for individuals with ARG1-D are very important and aim to limit the amount of arginine and protein intake. Individuals with ARG1-D are placed on a low-protein, arginine-restricted diet supplemented by essential, arginine-free amino acids.

Recognizing the symptoms and treating ARG1-D is critical

About LOARGYS

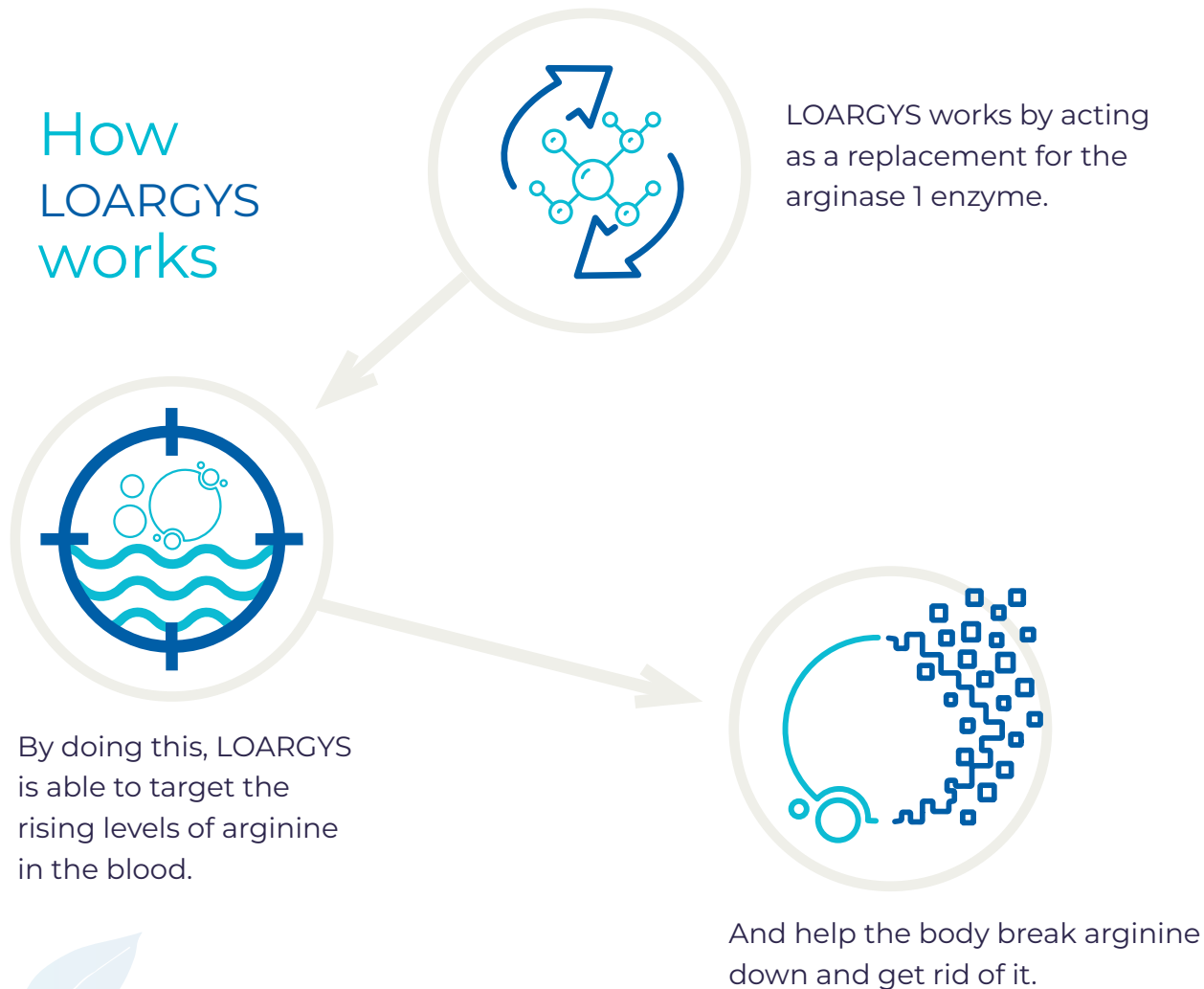
How LOARGYS was studied



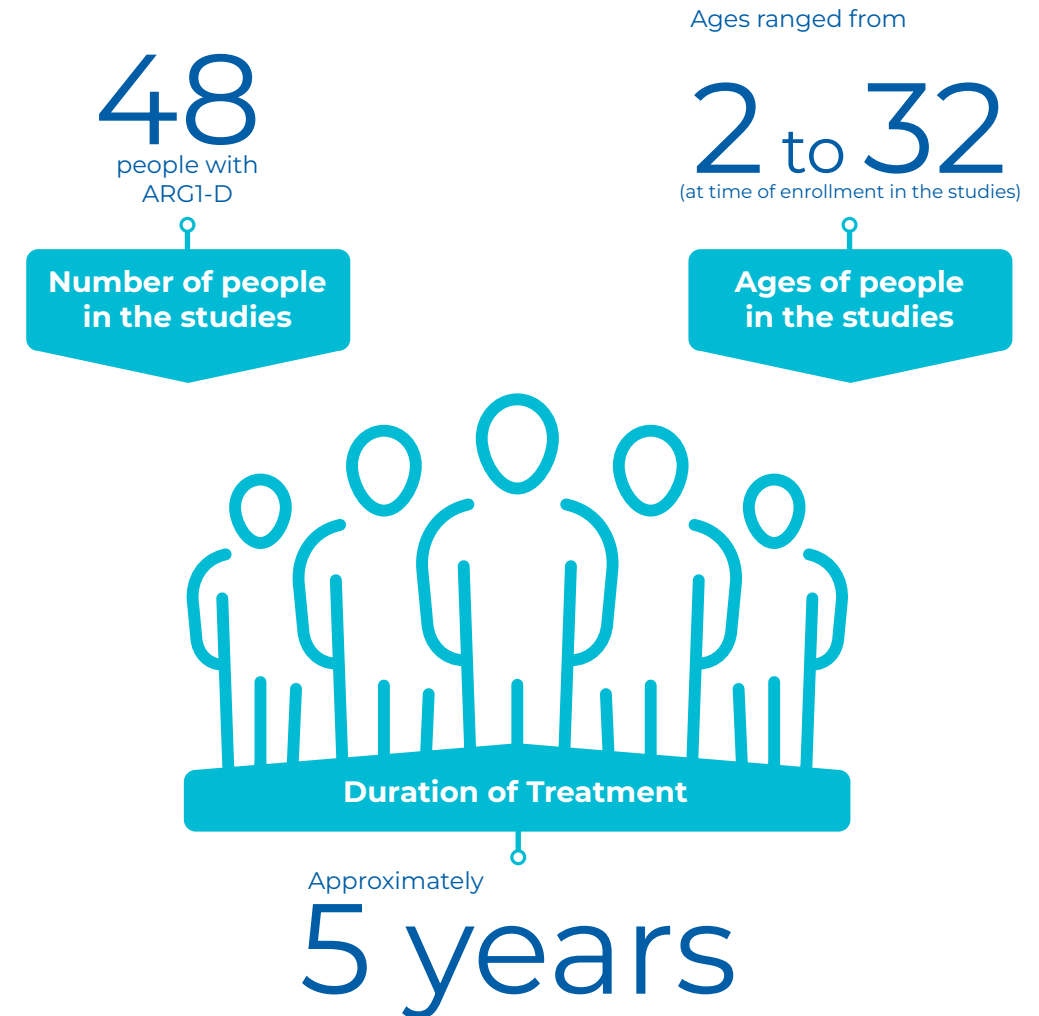
What is LOARGYS?

LOARGYS is the first and only treatment for ARG1-D that has been proven to lower levels of arginine in people aged 2 and older

How LOARGYS works



The safety and efficacy of LOARGYS was studied across 3 different clinical trials.



USE and IMPORTANT SAFETY INFORMATION (cont'd)

LOARGYS is a prescription medicine that may cause serious side effects, including:

- **Serious Allergic Reactions Including Anaphylaxis.**

Anaphylaxis is a sudden, severe, and life-threatening allergic reaction that can occur within seconds or minutes of taking LOARGYS.

Please see additional Important Safety Information throughout this brochure and the full [Prescribing Information](#).

LOARGYS was effective in children 2 years and older and adults with ARG1-D

Safety was also studied for LOARGYS



All patients were allowed to continue conventional therapy, which may include a low protein diet, supplements, and treatments that target ammonia levels or other symptoms.

How many people achieved target arginine levels of <200 micromolar after 24 weeks of treatment



How much arginine levels decreased by after 24 weeks of treatment



The following side effects were observed in 10% or more of the people who were treated with LOARGYS:

- vomiting
- fever
- infusion associated reactions
- constipation
- hypersensitivity



13% (6 of 48) of LOARGYS-treated patients experienced mild to moderate hypersensitivity reactions



These are not all the possible side effects of LOARGYS. Talk to a doctor for medical advice about side effects.

There were no discontinuations due to side effects in the LOARGYS clinical studies

USE and IMPORTANT SAFETY INFORMATION (cont'd)

Tell your doctor or nurse right away if you have any of the following symptoms during or after your treatment with LOARGYS:

- fainting, dizziness, feeling light-headed (low blood pressure)
- swelling of the face, eyelids, lips, mouth, tongue or throat
- severe nausea, vomiting or diarrhea
- trouble breathing, swelling of the throat, or chest tightness
- weak and rapid pulse
- skin rash, hives or itching

USE and IMPORTANT SAFETY INFORMATION (cont'd)

Before using LOARGYS, tell your doctor about all of your medical conditions, including if you:

- have any of the symptoms listed in the section **“What is the most important information I should know about LOARGYS?”**
- are pregnant or plan to become pregnant. It is not known if LOARGYS can harm your unborn baby.
- are breastfeeding or plan to breastfeed. It is not known if LOARGYS passes into your breast milk.

Tell your doctor about all the medicines that you take, including prescription and over-the-counter medicines, vitamins, and herbal supplements.

Please see additional Important Safety Information throughout this brochure and the full [Prescribing Information](#).

Treatment With LOARGYS

Getting started on LOARGYS



One dose, once a week

A doctor will determine the best starting dose of LOARGYS based on your or your loved one's body weight. The amount may be changed by a doctor over time in order to meet treatment goals.

Administration of LOARGYS will always happen under the supervision of a healthcare provider

LOARGYS is given in 2 different ways



At the start of treatment, LOARGYS is an **IV infusion**. The medicine, which is in liquid form, will be delivered directly into the bloodstream. This process takes about 30 minutes.



After 8 weeks, a doctor may decide to switch and give LOARGYS as a **subcutaneous injection** instead. This means that the medicine will be injected underneath the skin. The injection can be given in a few different areas, including the stomach, thighs, and upper arms. The injection site will rotate at each visit.

Always tell a doctor immediately if there are any signs of an allergic reaction or sensitivity to the medicine

USE and IMPORTANT SAFETY INFORMATION (cont'd)

LOARGYS® may cause serious side effects. See "What is the most important information I should know about LOARGYS?"

The most common side effects of LOARGYS include: vomiting, fever, infusion related reactions (itching, arm swelling, and stomach pain), constipation, and hypersensitivity (facial swelling, rash, flushing, difficulty breathing).

These are not all the possible side effects of LOARGYS. Call your doctor for medical advice about side effects.

There for Rare is available to help*

There for Rare is a patient support program that has dedicated specialists and case managers who can support patients and caregivers throughout their LOARGYS journey. This may include financial assistance, access to the medicine, home care coordination, and other ongoing support during treatment.

Offerings may include:

- Coverage support
- Access and reimbursement support
- Information from a nurse or pharmacist about LOARGYS
- Product support
- Financial support
- Support from a Patient Access Manager throughout the LOARGYS journey

*Eligibility terms and conditions apply.

USE and IMPORTANT SAFETY INFORMATION (cont'd)

USE

LOARGYS is a prescription medicine used to treat high levels of arginine in the blood of adults and children 2 years and older with Arginase 1 Deficiency (ARG1-D), along with limiting the amount of protein in their diet.

Please read the full [Prescribing Information](#) for LOARGYS and discuss any questions that you have with your doctor.

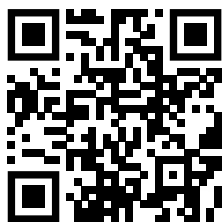
You are encouraged to report negative side effects of prescription drugs to the FDA. Visit www.fda.gov/medwatch or call 1-800-FDA-1088.

Please visit LOARGYS.com for more information.

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LOARGYS gets to the root of ARG1-D

Loargys® (pegzilarginase-nbln) is the first and only FDA-approved treatment that can help to lower levels of arginine



 Learn more about
LOARGYS today



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