

STEMCELL LONGEVITA

# Stem Cell Therapy for Autism: A Patient's Guide

Neurological Support for Improved Communication and Function





Your Journey to Regenerative Health Starts Here



# Table of Contents

---

Chapter 1

**Understanding Autism Spectrum Disorder**

---

Chapter 2

**How Stem Cell Therapy Helps**

---

Chapter 3

**Treatment at StemCell Longevita**

---

Chapter 4

**Results & Recovery**

---

Chapter 5

**Getting Started**

---

**Frequently Asked Questions**

---

**Medical Disclaimer & Contact**

---



# Understanding Autism Spectrum Disorder

## What Is Autism?

Autism Spectrum Disorder (ASD) is a neurodevelopmental condition characterized by challenges in social communication and interaction, along with restricted or repetitive patterns of behavior. ASD affects approximately 1 in 100 children worldwide and manifests across a broad spectrum of severity, from mild social difficulties to significant developmental delays.

## Symptoms and Challenges

- Difficulty with social interaction, including challenges in understanding social cues, making eye contact, and forming relationships.
- Communication difficulties ranging from delayed speech development to difficulty with conversational reciprocity and pragmatic language.
- Restricted interests and repetitive behaviors such as hand flapping, lining up objects, or intense focus on specific topics.
- Sensory processing differences including hypersensitivity to sounds, textures, lights, or tastes.
- Executive function challenges affecting planning, organization, and flexibility in daily routines.

*Research suggests that neuroinflammation and immune dysregulation play significant roles in ASD. Stem cell therapy targets these underlying biological mechanisms, potentially improving symptoms at their root cause.*



CHAPTER 2

# How Stem Cell Therapy Helps

## Neurological Mechanisms

Stem cell therapy for autism works through several mechanisms: reducing neuroinflammation in the brain, improving cerebral blood flow, supporting neural connectivity, and modulating the immune system. MSCs cross the blood-brain barrier and release neurotrophic factors that promote neural repair and development.

*A randomized controlled trial published in Stem Cells Translational Medicine reported significant improvements in autism symptoms, social skills, and brain connectivity following intrathecal MSC administration in children with ASD.*

## Observed Improvements

- Enhanced verbal and non-verbal communication skills.
- Improved social awareness and interaction abilities.
- Reduced hyperactivity and stereotypical behaviors.
- Better eye contact and attention span.
- Improved sensory processing and tolerance.

73%

Show Communication Improvement

68%

Improved Social Interaction

71%

Reduced Behavioral Issues



## Treatment at StemCell Longevita

### Our Pediatric Protocol

Our autism treatment protocol is specially designed for children and young adults. We use umbilical cord-derived MSCs administered through a combination of intrathecal (spinal) injection and IV infusion. Cell dosing is carefully calculated based on the patient's weight and age. Our team includes pediatric specialists experienced in treating children with neurodevelopmental conditions.

### Treatment Schedule

- Day 1 — Comprehensive neurodevelopmental assessment, blood work, and consultation at Liv Hospital Ulus.
- Day 2 — Intrathecal stem cell administration under light sedation, followed by IV stem cell infusion.
- Day 3 — Recovery monitoring, initial response assessment, and second IV infusion if indicated.
- Day 4 — Final evaluation, discharge planning, and detailed home therapy program.

### Family Support

We understand that families traveling for autism treatment need extra support. Our coordinators arrange family-friendly accommodations, provide translators if needed, and ensure a comfortable environment for both patients and their families throughout the stay in Istanbul.

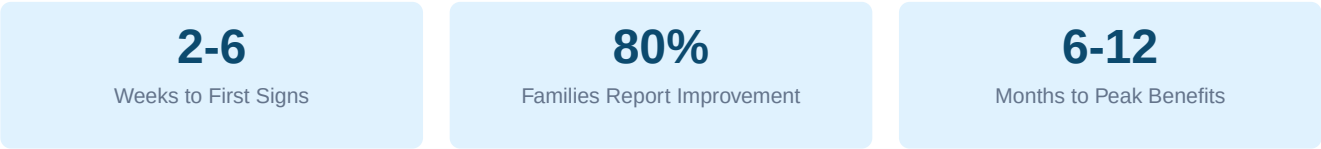


### Expected Timeline

Improvements typically begin appearing 2 to 6 weeks after treatment and continue to develop over 3 to 12 months. The most commonly reported early improvements include better eye contact, increased vocalization, and improved attention. Social and cognitive improvements tend to develop more gradually over several months.

### Recovery and Follow-Up

- Week 1-2 — Rest period with mild activity. Some children may show early improvements in attention and eye contact.
- Month 1-3 — Gradual improvements in communication, social interaction, and behavior. Continue all existing therapies.
- Month 3-6 — More significant developmental gains often observed. Reassessment and therapy adjustments recommended.
- Month 6-12 — Peak benefits typically achieved. Consider booster treatment to maintain and enhance progress.





## Getting Started

### Is Your Child a Candidate?

Candidates for autism stem cell therapy include children and young adults diagnosed with ASD who have not achieved desired progress with conventional therapies alone. There is no upper age limit, though earlier intervention generally produces better outcomes. Our medical team evaluates each case individually to determine if stem cell therapy is appropriate.

### Next Steps

- Submit your child's medical records, developmental assessments, and any relevant diagnostic reports.
- Our team will review the case and provide a detailed treatment recommendation within 48 hours.
- Schedule a video consultation to discuss your child's specific needs and expected outcomes.
- Plan your family's trip to Istanbul with full support from our patient coordination team.



# Frequently Asked Questions

---

## **At what age can a child receive stem cell therapy for autism?**

We typically treat children from age 3 and above. The ideal window is generally between ages 3 and 12, when neuroplasticity is highest, though older children and adults can also benefit.

---

## **Is the procedure painful for children?**

The intrathecal procedure is performed under light sedation, so your child will not feel pain during administration. IV infusions are minimally uncomfortable. Our pediatric team is experienced in making the process as stress-free as possible for children.

---

## **Should my child continue existing therapies during stem cell treatment?**

Yes, absolutely. Stem cell therapy is designed to complement, not replace, existing behavioral, speech, and occupational therapies. In fact, many therapists report that children are more receptive to therapy after stem cell treatment.

---

## **How many treatment sessions are recommended?**

Most families begin with an initial treatment course and return for a booster session 6 to 12 months later. Some children benefit from 2 to 3 courses of treatment. Our team will recommend a treatment schedule based on your child's response.

---

## **What improvements do parents most commonly report?**

The most frequently reported improvements include better eye contact, increased speech and vocalization, improved attention span, reduced tantrums, better sleep, and greater social awareness.

---



## Medical Disclaimer

The information contained in this guide is provided for educational purposes only and is not intended as medical advice, diagnosis, or treatment. Stem cell therapy outcomes vary by individual, and no specific results are guaranteed. The content herein reflects current scientific understanding and clinical experience as of the publication date but is subject to change as new research emerges. Always consult with a qualified healthcare professional before making any medical decisions. StemCell Longevita and its affiliated practitioners are not responsible for any actions taken based on the information in this guide. All medical treatments carry inherent risks, and patients should discuss potential benefits, risks, and alternatives with their treating physician.

### Ready to Begin Your Healing Journey?

Our team of regenerative medicine specialists is ready to evaluate your case and create a personalized treatment plan.

**Email: [info@flytocure.com](mailto:info@flytocure.com)**

**Website: [stemcelllongevita.com](https://stemcelllongevita.com)**

Liv Hospital Ulus, Istanbul, Turkey