

The effects of sensory integration therapy on daily living skills in children with autism

Submission date 10/02/2026	Recruitment status No longer recruiting	<input checked="" type="checkbox"/> Prospectively registered
Registration date 10/02/2026	Overall study status Completed	<input type="checkbox"/> Protocol
Last Edited 16/04/2026	Condition category Mental and Behavioural Disorders	<input checked="" type="checkbox"/> Statistical analysis plan
		<input checked="" type="checkbox"/> Results
		<input type="checkbox"/> Individual participant data

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)

Principal investigator, Scientific

Contact name

Prof Hatice Yalçın

ORCID ID

<https://orcid.org/0000-0003-3557-8649>

Contact details

Cyprus Health and Social Science University
Guzelyurt
Cyprus
99440
+90 (0)5323707688
h.hatice@gmail.com

Type(s)

Public

Contact name

Prof Nilgün Sarp

ORCID ID

<https://orcid.org/0000-0002-6714-4848>

Contact details

Cyprus University of Health and Social Sciences
Güzelyurt
Cyprus
392200
+90 (0)5338305995
nilgun.sarp@kstu.edu.tr

Type(s)

Public

Contact name

Prof Hülya Şenol

ORCID ID

<https://orcid.org/0000-0003-1701-8103>

Contact details

Cyprus University of Health and Social Sciences
Güzelyurt
Cyprus
392200
+90 (0)5338698315
hulya.senol@kstu.edu.tr

Type(s)

Public

Contact name

Dr Ayşe Mortaş

ORCID ID

<https://orcid.org/0009-0001-0135-4674>

Contact details

Cyprus University of Health and Social Sciences
Güzelyurt
Cyprus
392200
+90 (0)5338328732
ayse.mortas@kstu.edu.tr

Type(s)

Public

Contact name

Miss H. Deniz Kahya

ORCID ID

<https://orcid.org/0000-0002-1362-9815>

Contact details

Cyprus Health and Social Science University
Guzelyurt
Cyprus
99440
+90 (0)5318140624
deniz.kahya@kstu.edu.tr

Additional identifiers

Study information

Scientific Title

Effects of sensory integration therapy on daily living skills and treatment adherence in children with autism spectrum disorder: a randomized controlled mixed-methods study

Study objectives

Ethics approval required

Ethics approval required

Ethics approval(s)

Approved 27/01/2026, Cyprus University of Health and Social Sciences Scientific Research Ethics Committee (Cyprus University of Health and Social Sciences, Güzelyurt, 392200, Cyprus; +90 (0) 392 444 57 88; info@kstu.edu.tr), ref: KSTU//2026/138

Primary study design

Interventional

Allocation

Randomized controlled trial

Masking

Open (masking not used)

Control

Active

Assignment

Parallel

Purpose

Treatment

Study type(s)

Health condition(s) or problem(s) studied

Autism spectrum disorder (ASD)

Interventions

Intervention (Experimental Group):

Sensory Integration Therapy (SIT) program will be applied. The intervention period is 8 weeks, with 45-minute sessions twice a week. The aim of the therapy is to improve children's daily living skills and increase compliance with the treatment.

Control (Control Group):

The control group will receive routine education and support services; no additional sensory integration intervention will be applied.

Intervention Type

Behavioural

Primary outcome(s)

1. Daily living skills measured using the Pediatric Evaluation of Disability Inventory (PEDI), pre-test and post-test scores at pre-intervention (baseline) and post-intervention (after 8 weeks)
2. Sensory processing profile measured using Sensory Profile 2 (Duyu Profili-2) at pre-intervention (baseline) and post-intervention (after 8 weeks)

Key secondary outcome(s)

Completion date

07/04/2026

Eligibility

Key inclusion criteria

1. Children aged 4–10 years
2. Diagnosis of Autism Spectrum Disorder (DSM-5) confirmed by a child psychiatrist or documented ongoing diagnostic process
3. Planned continuation at the current educational institution throughout the study period
4. Written informed consent obtained from a parent or legal guardian, and age-appropriate assent from the child

Healthy volunteers allowed

No

Age group

Child

Lower age limit

4 Years

Upper age limit

10 Years

Sex

All

Total final enrolment

Key exclusion criteria

1. Being in the process of receiving sensory integration therapy or having participated in a systematic SIT program in the past
2. Lack of consent from a parent or legal guardian.

Date of first enrolment

10/02/2026

Date of final enrolment

10/02/2026

Locations

Countries of recruitment

Cyprus

Sponsor information

Organisation

Cyprus University of Health and Social Sciences

Funder(s)

Funder type

Funder Name

Cyprus Health and Social Science University

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary

Not expected to be made available

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Other unpublished results			16/04/2026	No	No
Plain English results			16/04/2026	No	Yes
Statistical Analysis Plan			16/04/2026	No	No

