

Date of Visit: 10-06-2025

Subjects:

- **Mohammed Mahmood Reyadh Al Saed** (DOB: 08-11-2016)
 - **Fatima Mahmood Reyadh Al Saed** (DOB: 08-11-2016)
- Ages:** Both 8 years, 7 months
Guardians: Mahmood

Both siblings present with **information-processing delays**.

- **Fatima** additionally shows **intellectual developmental delays** and **acquired autism-like features**.
- **Mohammed** exhibits **learning and developmental delays**, without autism traits. Their shared profile suggests a likely **common root cause**, but **further investigation** is required.

2. Developmental Profile & Differential Assessment

- **Information-processing Delays**
Both children are slower in multi-sensory integration, retrieval, and response times—common features in neurodevelopmental delays
- **Fatima's Profile**
Presents secondary autism features—reduced social responsiveness, repetitive patterns, and communication challenges—arising from cognitive delays, not a primary autism diagnosis.
- **Mohammed's Profile**
Shows developmental and learning delays, with no autism-related social or behavioral characteristics.

3. Genetic / Biochemical Analyses (Recommended)

a. Precision Health Analysis – Neurazon (Canada)

- **Sample:** Saliva from each child
- **Purpose:** Identifies genetic, metabolic, and environmental contributors
- **Turnaround:** ~4 months

b. Neuronal Growth Factors Absorption Analysis

- **Sample:** Hair

- **Purpose:** Evaluates key brain-growth nutrients for cognitive function
- **Turnaround:** ~2 months, repeat **every 6–12 months** to track progress

c. Gut Intolerance Analysis for Fatima only

- **Sample:** Hair
- **Purpose:** Identifies GI sensitivities that could influence behaviors and cognition
- **Turnaround:** ~2 months, repeat every 6–12 months

Each test is optional, external to our center, and intended for deeper diagnostic understanding.

4. Development Protocol

- **Duration:** 4-month structured intervention focusing on cognitive processing, sensory integration, and foundational academic and social skills.
- **Reevaluation:** Conduct **in-person reassessments every 4 months** to establish baselines, monitor response, and adapt the protocol.
- **Continuation:** Adapt the plan based on results and progress tracking.

5. Neuroplasticity Rehabilitation Therapy

A comprehensive, **intensive neuroplasticity-based therapy** is recommended for both children:

- **Scientific Basis:** Neuroplasticity enables the brain to reorganize and form new neural pathways through repetitive, targeted practice
- **Twin Benefits:**
 - **Cognitive & Academic:** Enhances attention, memory, and learning by stimulating underdeveloped circuits.
 - **Behavioral & Emotional:** Strengthens self-regulation and reduces anxiety through structured neural adaptation.
 - **Fatima's Autism Features:** Supports secondary gains in social reciprocity and communication.
- **Components:**
 - Sensory-motor integration drills
 - Auditory processing and listening programs
 - Fine motor and coordination tasks
 - Social-pragmatic play exercises
 - Parent-led daily reinforcement strategies

6. Recommendations for Parents

- **Environment:** Provide a structured, distraction-free setup and positive reinforcement.
- **Observation:** Track behaviors, achievements, and any GI or attentional changes.
- **Collaboration:** Share test results and progress updates with our center to optimize intervention.

7. Recommendations for Therapists

- **Individualization:** Tailor tasks to each child's processing capabilities and test data.
- **Multisensory Approach:** Include visual, auditory, and tactile drills.
- **Holistic Care:** Collaborate with speech, OT, and dietitians as needed.
- **Data Tracking:** Use frequent metrics (e.g., task accuracy, reaction time, social engagement).

8. Disclaimers & Follow-up Plan

This report is **not a diagnostic conclusion**, but a developmental and intervention roadmap. All recommendations should be revisited based on ongoing assessments.

- **Tests are optional** and administered externally via Neurazon (Canada).
- **Interventions** must be adapted dynamically to each child's unique progress and test results.
- **Follow-up Schedule:**
 - **Every 4 months:** In-person reevaluation
 - **Every 6–12 months:** Repeat absorption and gut intolerance testing

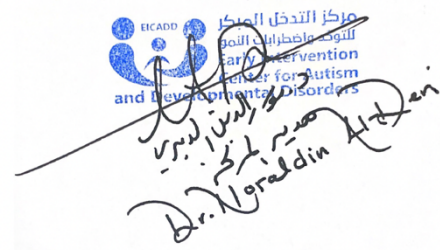
Centers' Leading Staff:

Speech Therapist: Ms. Amira Alomari

Occupational Therapist: Ms. Malak Jaber

Psychologist and behaviour therapist (Ajman): Ms. Asmaa Alshanawi

EICADD Center Director

A handwritten signature in black ink, reading "Dr. Noraldin Al-Dan", is written over a blue circular stamp. The stamp contains the EICADD logo and the text "مركز التدخل المبكر للتوحد واضطرابات النمو Early Intervention Center for Autism and Developmental Disorders".