IMFAR Annual Meeting 2013 Identification of Early Signs of Autism in First Year of Life

Alonim H A Schavngesicht G Liberman I Tavar D Valin N The Mifne Center & Bar-llan University Israel



Published in: Israeli Journal of Pediatrics vol. 76 (2011)

Introduction

The study examined the presence of early indicators of autism in the first year of life of 110 babies who were later diagnosed with

Methods **Participante**

The study, which was conducted from 1997 until 2007, examined 84 (76.4%) hove and 26 (23.6%) pirls. who were later disenseed with autism at the age of 2-3 years

originating from different cultures,

Procedure

Video-recordings of the first 15 months of the participants' lives (taken before developmental disorder was suspected) were analyzed retrospectively by trained professionals. Variables associated with autistic characteristics were measured according to validated parameters of duration and frequency.

Objectives Variables investigated:

Lack of Eve Contact - during closeness, feeding, play, averting SEESE (Mouver 1976; Monton & Johnson, 1999) Lack of Posetion to Voice presence - no smile or habbling no attempt to divert attention, no reaction to parents' departure

Evensive Passivity - lack of crying, movement, interest in the surroundings, tracking people with their page, greenens 2000. Delayed Motor Development -

inappropriate attainment of milestones byzotonia byzertonia (Tritelhaum, et al., 1998) Excessive Activity - restless movement persistent crying

obsessive occupation with an object, lack of self-regulation country was Refusal to Feed/Eat - breast feeding, fruits/vegetables, solid foods Eivation on certain foods Head Circumfurance - accelerated growth during first year annual year

Assertion to Touch - contraction recoil, dissatisfaction while being hold couldbed on kirred lask of sensory modulation

Findings

The study's findings indicated that 89% of the studied infants exhibited indicators associated with autism during the first 15 months of life

Diagram 1: Symptoms' analyses



(All the graphs / tuble / diagrams / relate to n = 110)

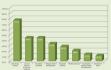
Table 1: Co-existence of two variables



Conclusions These findings affirm the assumption that indicators

for autism frequently appear in the first year of life. indicating that it is possible to conduct screening and detect autism in the early stages of infancy significantly earlier than diagnosis is usually available.

Graph1: Symptoms' findings



Secondary Findings

Disgram 2: Parents' observation data

- Parents had suspected unusual signs Extended family noticed but did not tell the parents
- Family members supposted testing the baby, but were imposed
- Parents/family had not noticed any ususual sings



Clinical Implications

The study led to construction of a screening scale to identify indices associated with autistic characteristics in the first year of life - the Early Signs of Pre-Autism Screening Scale for Infants ESPASI (Alonim, et al., 2007). The scale is used in Medical Centers in Israel.