

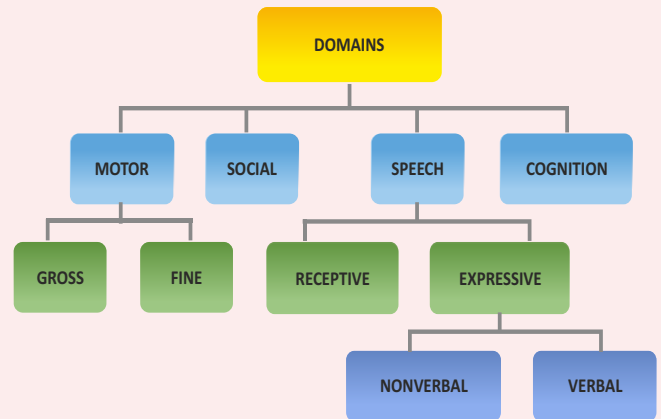


CATCH ME EARLY – AUTISM SPECTRUM DISORDER

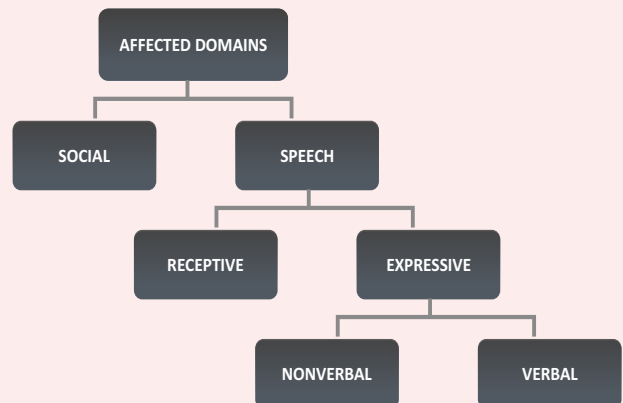
Dr. Ra. Poo. Ezhilmangai. Developmental and Behavioural Pediatrics



WHAT ARE THE DOMAINS OF DEVELOPMENT?



Which are the domains affected in Autism spectrum disorder?



PATRONS

Dr. J.S.Bhuvaneshwaran
Dr. T.M.Subba Rao

Editorial Board:

Dr. Vimal Kumar Govindan
Dr. Pavai Ganesan
Dr. Muruganand Mylswamy
Dr. Varunn

✉ psgmedipulse@psgimsr.ac.in
🌐 www.psghospitals.com
☎ +91 82200 13330

DEFINITION OF AUTISM SPECTRUM DISORDER:

Social Communication delay + Restricted, Repetitive patterns of behaviour, interests, or activities.

WHAT ARE THESE RESTRICTED INTERESTS REPETITIVE BEHAVIOURS?

Restricted interests and repetitive behaviours are one of the hallmark symptoms of autism spectrum disorder.

These mean repetitive motor movements (eg; rocking back and forth) that are thought to serve no social function. The behaviours could be exhibited as verbal or nonverbal, fine or gross motor oriented like, Spinning objects, Strict adherence to order, Predictable routines, Delayed or immediate echolalia.

Restricted interests are the intense interest by people with autism in specific topics or certain objects. An autistic individual could be really interested in a TV show, or a subject such as maths or arts. They have deep knowledge on these areas of interest as they enjoy being involved with them. They may talk about their interests and go into monologue about the topic they like to talk about.

HOW TO IDENTIFY EARLY?

There are various screening tools which can be used to screen for autism in the clinic or schools.

1. MCHAT-R: Modified Checklist for Autism in Toddlers – Revised: This is parent filled questionnaire intended to be used in children between the ages of 15 and 30 months. This tool is available for free online. For Tamil version its available in our department or you can contact us through WhatsApp we shall send across.

2. TIDOS: Three-item direct observation screen: This is a very simple tool which can be used in the clinic for children aged between 18 months and 60 months (1½ yrs to 5 years). The direct observational items include the following:

- (a) Joint Attention (following examiner's cues in observing an object with direct gaze or pointing gesture),
- (b) Eye Contact, and © Responsiveness to Name (called by the examiner on four occasions).

RED FLAG SIGNS – FOR EASE OF REMEMBRANCE JUST REMEMBER 3 POINTS FOR EACH YEAR.

AT 12 MONTHS / 1 YEAR:

- ▶▶ Does not respond to his/her name
- ▶▶ Does not wave bye
- ▶▶ No Joint attention

AT 18 MONTHS / 1 ½ YEARS:

- ▶▶ Does not attempt to copy others
- ▶▶ Does not point to show things to others
- ▶▶ Does not share interest / using caregivers hand as a tool to indicate needs

AT 24 MONTHS / 2 YEARS:

- ▶▶ When playing with toys tends to play without purpose
- ▶▶ Not learning new words – meaningfully (not just repeating)
- ▶▶ No Imitation

IF NOT CAUGHT BY THIS AGE WE ARE ABOUT TO MISS THE WINDOW OF EARLY INTERVENTION

AT 3 YEARS:

- ▶▶ No interest in pretend play
- ▶▶ Doesn't interact with other children
- ▶▶ Difficulty noticing and understanding feelings in



themselves and others (eg: happy, sad)

IF NOT IDENTIFIED HERE WE HAVE MISSED THE BOAT.

RED FLAGS AT 4 YEARS:

- ▶▶ Unwilling or unable to play cooperatively (interactive or make-believe games)
- ▶▶ Not able to follow directions with two steps (e.g. 'Put your bag away and then go play)
- ▶▶ Ignores other children
- ▶▶ Does not respond to people outside the family

RED FLAGS AT 5 YEARS:

- ▶▶ Play is different from their friends
- ▶▶ Difficulty telling a parent what is wrong
- ▶▶ Not able to answer questions in a simple conversation (eg: what is your name? What do you like to play?)

WHAT NEXT?

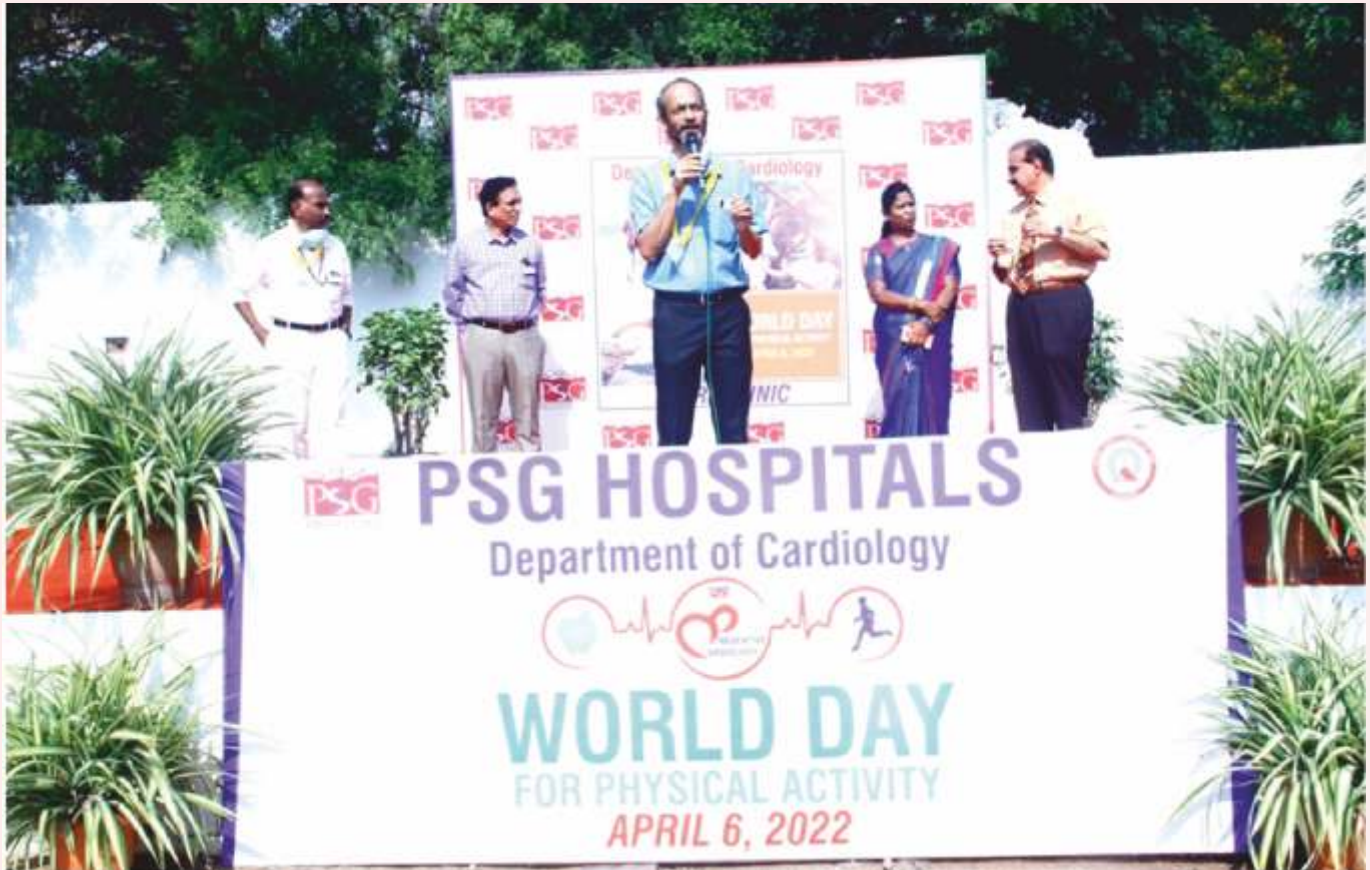
Diagnostic evaluation is mandatory in all children suspected to have red flags for autism. The baseline developmental age in each domain is required as children with other developmental disorders will have some Autistic traits. Following developmental age assessment Autism specific assessment is to be done.

Once diagnosed – we refer them to evidence-based therapy – ABA therapy (therapists availability on bacb.com website) for Autism Spectrum Disorder.

WHAT PRECAUTIONS CAN BE DONE TO PREVENT SOCIAL COMMUNICATION DELAY?

1. Avoid screentime (any form of gadgets) until the age of 2 years
2. Avoid academics (rhymes, alphabets, numbers, colours) until the age of 3 years
3. Interact with the infant during the times of distress (eg: during vaccinations avoid gadgets to divert the child)

World day for Physical Activity - April 6 2022.
by department of Cardiology



World physical activity day is observed every year on 6th April by World Health Organization and the International Society for Physical Activity and Health since it was declared by WHO in 2002 with a purpose to promote physical activity in people who strive to disseminate the benefits of adopting a more active and healthy lifestyle by practicing some physical activity daily.

According to the WHO, individuals who are more physically active have lower rates of all-cause mortality, coronary heart disease, high blood pressure, stroke, diabetes, metabolic syndrome, colon cancer, breast cancer and depression. Yet, much of the world is becoming less active.

The Department of Cardiology, PSG Hospitals organized a 'Walkathon' for the faculty of PSG Institute of Medical Sciences & Research, PSG College of Physiotherapy, PSG College of Pharmacy, PSG College of Nursing and PSG Hospitals, which covered around 2.5 km around the Institution campus to create awareness about the need to be physically active and to prevent lifestyle diseases.

About 250 faculty members participated in this event were educated on the various components of physical fitness – strength, endurance, balance, flexibility and body composition.

Prof. Dr. V. Ramamoorthy, HOD, Department of Physical Medicine and Rehabilitation welcomed the gathering and Prof. Dr. G. Rajendiran briefed about the importance of physical activity.

One participant was honored with a reward for reducing 30 kg weight by adapting a regular walking exercise routine and following a healthy diet. Her story inspired many of the participants to be more active, and to lead a healthy life.

Prof. & Dr. Suba Rao, Principal PSG IMS&R and Prof. & Dr. J. S. Bhuvaneshwaran, Director PSG Super Specialty Hospital, flagged off the event.



WORLD FITNESS DAY



PSG strengthens Nuclear Medicine Infrastructure



Inauguration of Nuclear Medicine and Centre for Advanced GI and Pulmonary Intervention by Thiru. Ma. Subramanian Honourable minister for Health, Medical Education and Family Welfare, Government of Tamilnadu - 16th April 2022.

PSG Interventional Pulmonology Suite

Technological advances have made flexible bronchoscopy a very effective tool in the diagnosis of many diseases of the respiratory tract and paved the way for many breakthroughs, both diagnostic and therapeutic. It was initially a tool for examining and sampling the central endobronchial tree. (Simple suctioning of secretions, brushing and bronchial biopsies)

Over the years, there was a transition from fiberoptic bronchoscopes to video bronchoscopes. The quality of the imaging systems has improved significantly. Bronchoscopy has evolved from a simple visual tool that relies on light, to an imaging tool with integrated ultrasound (EBUS) that has transformed the staging and diagnosis of lung cancer. These techniques allow sampling of multiple mediastinal and hilar lymph node stations as short day-care procedures. These techniques are also useful for sampling of abnormalities adjacent to the central tracheobronchial tree.

Bronchoscopy has also reached its potential as a therapeutic tool. Central obstructing tumours can be debulked using either electrocautery, argon plasma photo coagulation, or cryo-extraction. Where there is tumour ingress extrinsically or loss of the airway structure, endobronchial stents may be considered. These primarily have a role in supporting the trachea or main bronchi.

The State of the art 'PSG Interventional Pulmonology Suite' was inaugurated by Honourable Minister of Health, Medical Education & Family welfare of Tamil Nadu, Thiru. Ma. Subramanian, at PSG Hospitals on 16th April 2022.

Facilities available

- ▶ Diagnostic and Therapeutic Bronchoscopy
- ▶ Rigid Bronchoscopy
- ▶ Endobronchial ultrasound (EBUS)
- ▶ Radial Endobronchial ultrasound for diagnosis of peripheral lung lesions
- ▶ Management of Central airway obstruction (tumor debulking, balloon dilatation, airway stenting)
- ▶ Airway Foreign body removal
- ▶ Medical Thoracoscopy
- ▶ Cryo biopsy for Interstitial lung diseases, parenchymal lesions
- ▶ Ultrasound guided pleural / lung biopsy



Social Activities



Social Activities



Social Activities



Coimbatore, Tamil Nadu, India
W2H3+H5P, Coimbatore, Tamil Nadu, India
Lat 10.929301°
Long 77.002693°
19/04/22 06:05

