



June 2022

# DPT

DEVELOPMENTAL PEDIATRICS TODAY



Monthly e-Newsletter of IAP Chapter of Neurodevelopmental Pediatrics

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## Editorial

Respected seniors and dear friends,

Greetings from the neurodevelopmental chapter of IAP!



June is PTSD awareness month . We all are dealing with the stress faced by the families and kids of NNDs . In addition to this, we also have to deal with the PTSD of kids who lost their parents or a family member to Covid Pandemic . As per data ,56% of kids have lost one or both parents in the 4-13 age group in India . Our role as developmental Paediatricians is much more important than ever before .

3rd June is “Telehealth awareness day “ .During the Pandemic the screen time has increased for everybody including kids. We all are facing an increase in the number of kids presenting to us with delay in speech , ASD ,ADHD etc. in the post pandemic period. So we need to increase awareness about the adverse impact of increased screen time on child development. IAP has come up with screen time guidelines for children which will help us in counseling the parents.

Long live IAP!

**Dr. Lata Bhat**

Chief Editor



## Chairperson's Message

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Dear Readers,

Greetings to all of you !

The month of June reminds us of the campaign slogan “Only One Earth” on World Environment Day. It is a call to all residents of this planet to live sustainably in harmony with Nature. Studies have shown that the gene-environment interaction is an important factor of pathogenicity for neurodevelopmental problems. The genetic modifications are often dynamic and may be amenable to control, thus helping to avert neurodevelopmental disorders. So let us work collectively for the environment.



This month also highlights the importance of exercise. International Yoga Day highlights the importance of exercise and to incorporate it as a crucial component of brain development in learning and memory.

Let us keep reviewing our efforts for the children.

Happy reading !

**Dr. Shabina Ahmed MD, FIAP**

National Chairperson

Neurodevelopmental Pediatrics Chapter of IAP





## Snippets from the Secretary

Respected Seniors and dear friends,

Seasons greetings from the IAP Chapter of Neurodevelopmental Pediatrics.

The year has been almost half over and the things are looking up finally after two years of gloom of Covid-19 pandemic. The chapter is having its 19th national conference at Kolkata this year in the first week of September in association with IAP Howrah branch and we look forward to having a great physical conference after a long gap of 2 years. We look forward to this meeting for an academic and cultural extravaganza for the chapter members.



Fellowship program of the chapter under the aegis of IAP has been flourishing well and we are entering into the eighth year this year. We are hoping to add few more centres for fellowship this year and are also looking forward to starting the IAP fellowship program for development nurse counsellor at some more centres. With increasing recognition of neurodevelopmental disorders in the community, there is a strong need to increase the number of trained personnel working in the field and the chapter is striving hard in this direction.

June month has many important health days - World Environment Day, World Brain Tumour Day, International Yoga Day to name a few. We have some interesting articles in the journal scan section. It is the need of the hour for all of us to look into the mental health related issues with a family centre approach for all.

Jai Hind! Jai IAP !

Long live IAP!

**Wg Cdr (Dr) KS Multani**

National Secretary

IAP Chapter of Neurodevelopmental Paediatrics





## Journal Scan

### **Effectiveness and Adverse Effects of Risperidone in Children with Autism Spectrum Disorder in a Naturalistic Clinical Setting at a University Hospital in Oman**

**Salim Al-Huseini , Ali Al-Barhoumi, Miad Al-Balushi, Amira Al-Hosni, Tamadhir Al-Mahrouqi, Balqees Al-Mahrizi, Sanjay Jaju, and Hassan Mirza**

**Autism research & Treatment  
Volume 2022, Article ID 2313851**

#### **Abstract**

**Objective.** This study aimed at examining the effectiveness of treating children with autism spectrum disorder (ASD) who present with irritability, aggression, and disruptive behavior at the Sultan Qaboos University Hospital (SQUH) in Muscat, Oman, with risperidone, and to note any sex-based differences among this cohort.

**Method.** This was a retrospective study conducted at the Department of Behavioral Medicine at SQUH over two years from January 2017 to December 2018. This study included all children aged 3 to 18 years attending the Child and Adolescent Mental Health Service (CAMHS) outpatient clinic with a diagnosis of ASD, based on the DSM-5 criteria, and comorbid disruptive behavior, who had been prescribed risperidone.

**Result.** This study identified 95 ASD patients (72 males). Male patients' BMI score after 12 months of risperidone treatment showed an increase by 0.62 (1.57 SD;  $P = 0.001$ ); however, there was no significant change among female patients. Somnolence was noted in 69.6% of female patients as compared to 34.7% of males ( $P = 0.003$ ). Among those with a family history of ASD, 5 out of 17 patients had treatment success (29.4%), whereas 70 out of 78 patients (90.0%) who did not have a similar history had successful treatment.

**Conclusion.** In conclusion, low-dose risperidone monotherapy is effective and well tolerated among some children with ASD who present with disruptive behavior in a naturalistic clinical setting. However, we found that some of the side effects, such as weight gain and somnolence, were concerning.





## Journal Scan

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### **Deceptive behaviour in autism: A scoping review**

**Ralph Bagnall , Ailsa Russell, Mark Brosnan and Katie Maras**

**Autism 2022, Vol. 26(2) 293–307**

#### **Abstract**

The ability to deceive is a key milestone in social cognitive development for typically developing individuals. In this scoping review, we systematically searched the literature to summarise research on deceptive behaviour in autism and identify gaps in knowledge. Across the 28 studies identified, three main themes were synthesised, with seven subthemes: (1) Deception ability and prevalence (1a) gameplay deception; (1b) naturalistic deception; (2) Psychological correlates of deception (2a) verbal, intellectual and social ability; (2b) theory of mind (ToM) behaviours; (2c) executive function; and (3) Social learning (3a) training; (3b) social contexts. The findings challenge common stereotypes, showing that autistic individuals can and do engage in deception. However, many do so less frequently and less adeptly than typically developing individuals. Emerging evidence also suggests that autistic individuals (without co-occurring intellectual disability) may use compensatory strategies when engaging in deception, and that more skilled deceptive behaviour may arise later in life. Implications and directions for future research are discussed.





**NCDP  
2022**

**19<sup>th</sup> Annual Conference of IAP Chapter of  
Neuro Developmental Pediatrics**  
3<sup>rd</sup> & 4<sup>th</sup> Sep Conference | Biswa Bangla Convention Centre  
**DEVELOPMENT LESSONS IN THE LAND OF THE RISING SUN**



In Association With:  
**WEST BENGAL ACADEMY OF PEDIATRICS**

Hosted By:  
**HOWRAH ACADEMY OF PEDIATRICS**

## ABSTRACT SUBMISSION

Team NCDP 2022 Invites all Delegates to  
submit their Abstracts.

Conference registration is mandatory for submitting Abstract

**FINAL DATE OF SUBMISSION  
31<sup>ST</sup> July 2022**



Please see the abstract guidelines in the flyer or visit our website for more  
information at [www.ncdp2022.co.in](http://www.ncdp2022.co.in)

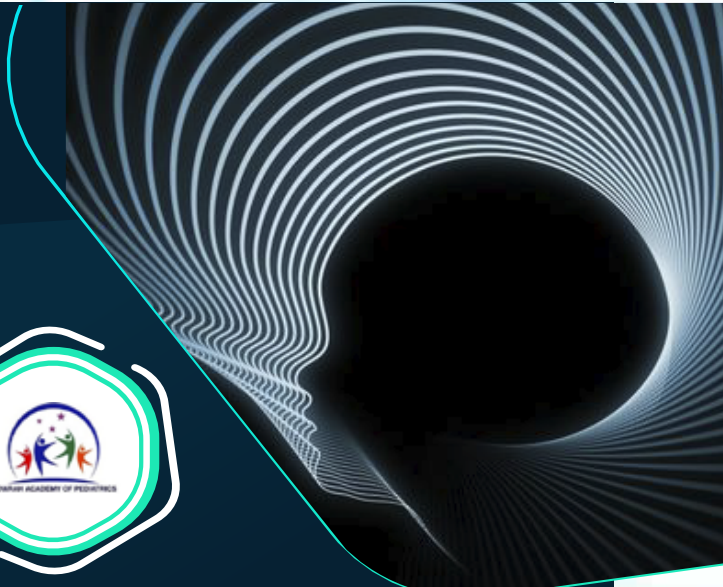


For more Information, visit our website:  
[www.ncdp2022.co.in](http://www.ncdp2022.co.in)





# NCDP 2022



## 19TH ANNUAL CONFERENCE OF IAP CHAPTER OF NEURO DEVELOPMENTAL PEDIATRICS

DEVELOPMENT LESSONS IN THE LAND OF THE RISING SUN

Hosted By

HOWRAH ACADEMY OF PEDIATRICS



2ND SEP WORKSHOPS

3RD & 4TH SEP CONFERENCE

BISWA BANGLA CONVENTION CENTRE, KOLKATA



CLICK HERE TO REGISTER

<https://www.ncdp2022.co.in/ncdp2022/>







## NCDP 2022

### 19<sup>th</sup> Annual Conference of IAP Chapter of Neuro Developmental Pediatrics

3<sup>rd</sup> & 4<sup>th</sup> Sep Conference | Biswa Bangla Convention Centre

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The last date of submission ends on 31<sup>st</sup> July, 2022

## PAPER/POSTER GUIDELINES - NCDP 2022

Abstracts of scientific papers are invited for the NCDP 2022 (03 - 04 SEP 2022).

Authors need to send only the abstracts initially to NCDP 2022 WEBSITE

### Paper category- Oral paper/ poster

The papers will be considered for awards under 2 sections

- according to the researchers/ presenting authors-
1. Pediatricians and Pediatric Postgraduate students
  2. Allied health professionals

**The presenting author must register for the conference.**

### Page 1 (Title page of the abstract) should include-

- Full name of the presenting author
- Age of the presenting author
- Registration No. of presenting author
- Department & Institution with address
- Designation
- Email
- Mobile No. and Other Contact Nos
- Title of the paper
- Author List (Give full names of all authors)
- Category-Oral Paper/poster
- Section-Pediatrician or PG/ Allied health professionals
- Abstract Word Count

### Main abstract (Page 2)

- Abstract topic should be based on /related to "Developmental Pediatrics".
- Word limit- The main body of the abstract **should not exceed 250 words**. It should be typed with single line spacing in Times New Roman (font size 12) in word format. Abstract should not include tables/graphs/ images.

- The abstract should be structured as far as possible in the following manner (Except Case Reports):
  - (a) Introduction
  - (b) Aims & Objectives
  - (c) Material & Methods (including statistical methods where relevant)
  - (d) Results
  - (e) Conclusions.
- Mode of submission:** e-mail the abstract to NCDP 2022 website as an attached word document with subject of the email Paper/poster abstract NCDP 2022.
- No other forms of submission like hard copies, fax etc. shall be accepted.
- The last date for submission of the abstracts is **31<sup>st</sup> July 2022**.
- The abstracts will be accepted as oral papers/poster paper depending on its merits. Case reports will be accepted as Posters ONLY. The Expert Committee will review the abstracts and decide the mode of presentation- poster or oral. The decision of the committee will be final in deciding the mode of presentation. Notification of acceptance of abstract submitted will be sent by e mail only to the presenting author on the e mail as given by the authors. Presentations: All presentations must be in English. Detailed instructions for poster/ oral paper presenters will be sent after the selection process is complete.

**CLICK HERE TO REGISTER &  
SUBMIT THE ABSTRACTS**

**CLICK HERE TO REGISTER  
FOR THE CONFERENCE**

**Please Note:** Registration for Conference is mandatory for abstract submission

For Any queries please call **Mr. Dipak Singh at 8431791995** or write to us at **abstractncdp2022@gmail.com**

For more information, visit our website:

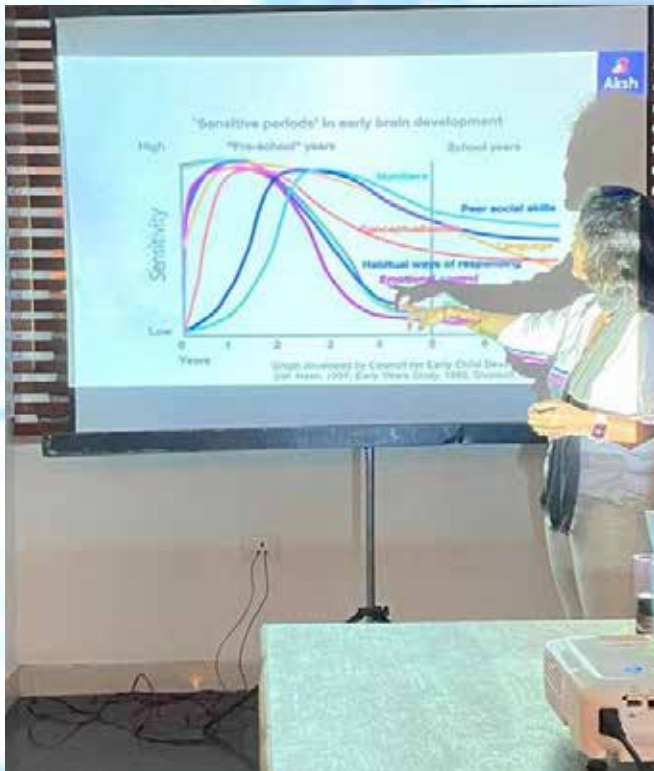
**www.ncdp2022.co.in**







## Month in pics



Talk on identification of Neurodevelopmental disorders in IAP Rurkee

by Dr. Shruti





## Month in pics



NCECD Workshop at Agra





## Month in pics







## Month in pics



Faculty at NC ECD on 17 April in Jammu. it was a very enriching experience





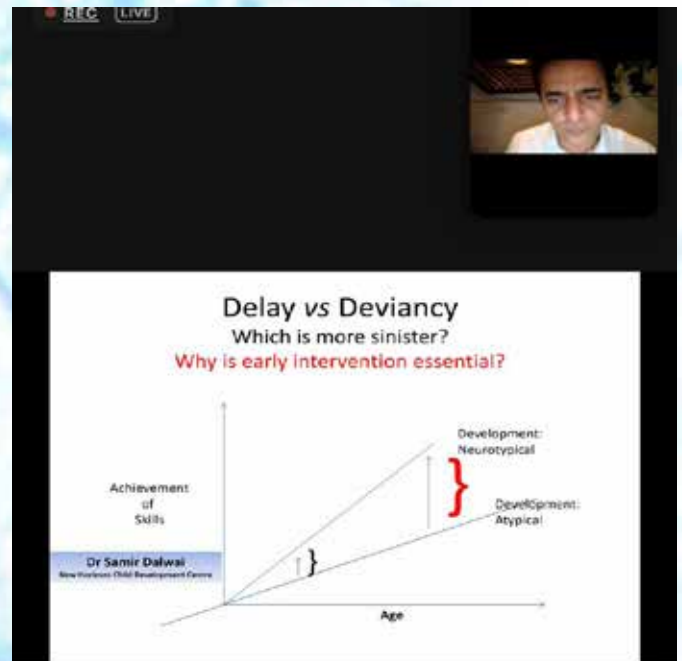
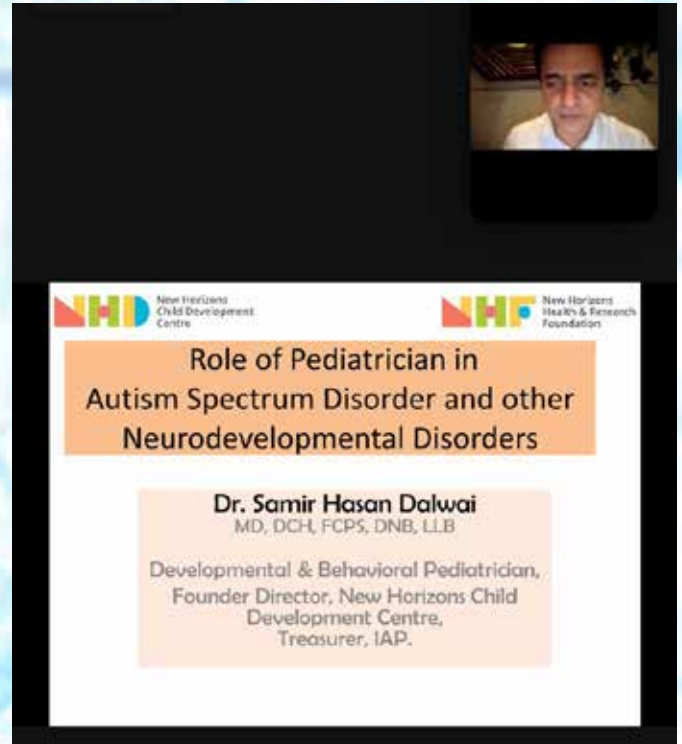
## Month in pics







## Month in pics








## Month in pics


REC LIVE



**What can the Pediatrician do?**

- **Early Detection**
  - The diagnosis of a specific developmental disorder is **not necessary** for an early intervention referral to be made.
  - Vision
  - Hearing

REC LIVE




**Development Delay**

### DEVELOPMENTAL DELAYS


**REACHING MILESTONES**

Developmental delays occur when a child does not reach developmental milestones at the expected time. Developmental delays tend to persist over time.

Developmental disabilities may require lifelong observation and full-time care in order to maximize function and opportunity. It's important to establish precise intervention strategies early in life.



REC LIVE



**Evaluation**


Health Promotional Check Ups

- Hearing
- Vision
- Dental
- Nutritional


Aetiological Diagnoses

- Developmental
- Genetic

REC LIVE




**Healthy Baby**



**Immunization**

Age	Immunization	Comments
Birth	BCG	
6 weeks	Polio	
10 weeks	Polio	
14 weeks	Polio	
18 weeks	Polio	
9 months	MMR	
15 months	MMR	
4 years	MMR	
5 years	MMR	
11 years	MMR	
16 years	MMR	

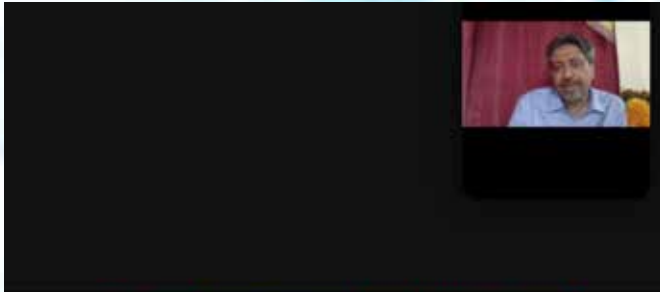
**Newborn Screening Program**





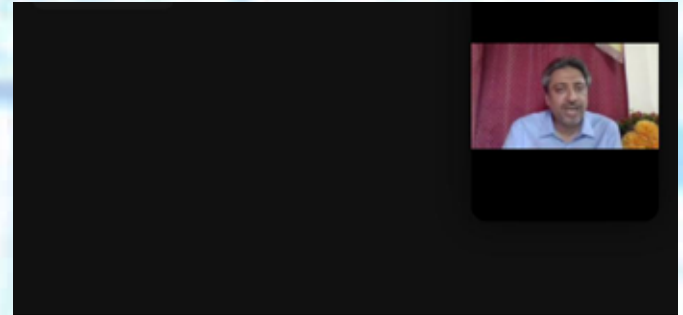


## Month in pics



In clinic visit	At – risk comprehensive	Poor outcomes Serial comprehensive
Antenatal problems	Fetal growth abnormalities	Fetal distress
Prolonged labor PROM	Poor perinatal care, Outborn	Unsafe transport
<2500, preterm	≤ 33, ≤ 1500, PT SFD	228 ± 1000, Anomaly, meconium
Perinatal asphyxia L1	Antenatal compl + NE Levene 2	Asphyxia – severe / prolonged Multi organ injury Levene 2
> 1 abortion	Twin, Triplets	ILI infection
Transient Hypoglycemia	BS < 25, > 3d,	Syngonium, seizure
NJ Phototherapy	Sepsis, exchange	Meningitis, kernicterus
NICU Adm. Seizures – late type Ca	Complex medical course	Severe hypoxia, hypotension
IVH 1 or 2	IVH 3 & 4	Ventriculomegaly + PVL
Good Home E.	Sub-optimal home Environment	Abnormal Neuro exam at Discharge

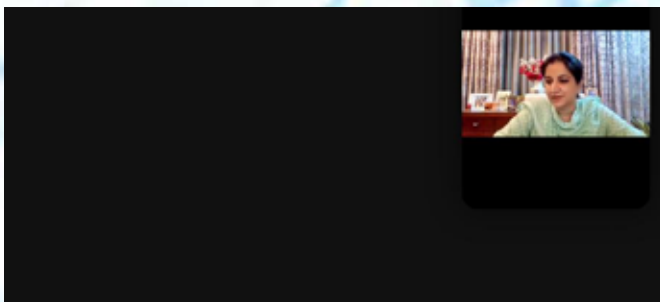
Ref. National Protocol for Neuro dev. follow-up – July -2006



### Definitive therapy CP- At UMMEID

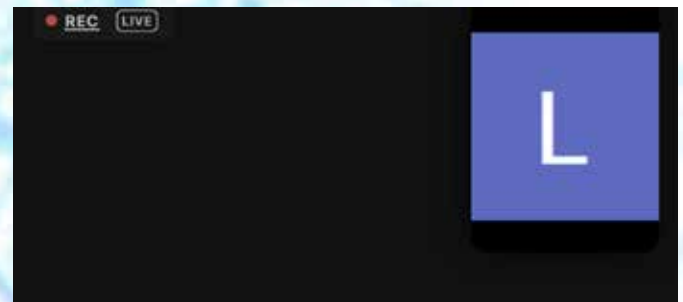
History/Assessment/ Multidisciplinary team IIP/IEP

1. Physical therapy-Physiotherapist
  - Preventing disuse atrophy & Contracture
  - Improve functional mobility
2. Occupational therapy- ADL & hand function
3. Speech therapy- speech & drooling
4. Medical treatment- drugs & surgery (Ortho/Ophtho/Neuro/ENT)
5. Assistive technology devises (Orthotist/IT Professional)



### Points to Consider

- Multidisciplinary and integrated
- No piecemeal plan but holistic plan
- Pediatrician / Developmental pediatrician enrich their own skills
- Parent / family part of team



### How to counsel?

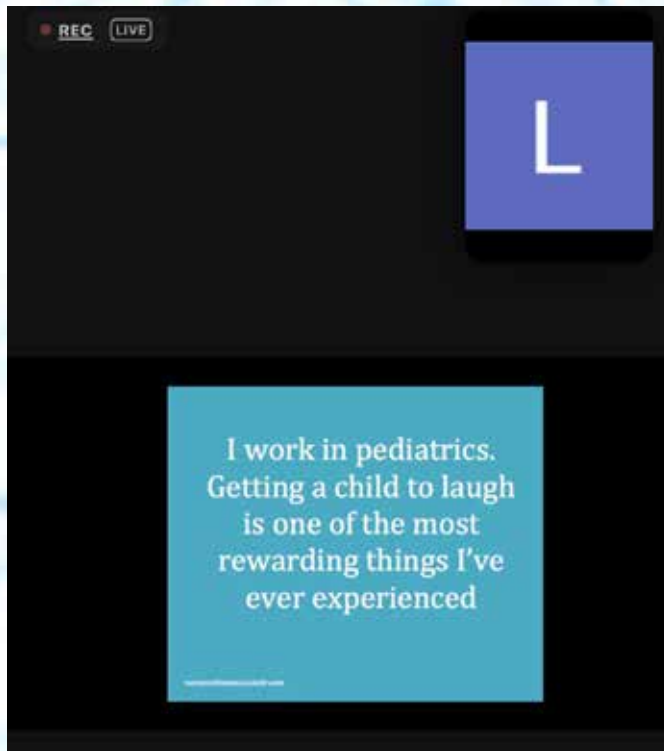
- Each family own journey







## Month in pics





## Month in pics

### IAP CHAPTER OF NEURODEVELOPMENTAL PEDIATRICS



**Dr Remesh Kumar R**  
President  
IAP 2022



**Dr Upendra Kinjawadekar**  
President Elect  
IAP 2023



**Dr Piyush Gupta**  
President  
IAP 2021

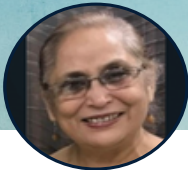


**Dr Vineet Saxena**  
Hon Secretary  
General IAP, 2022



### DEVELOPMENTAL DELAY EARLY DIAGNOSIS & MANAGEMENT

Go to [diapindia.org/eventcalendar](http://diapindia.org/eventcalendar) or [click here](#)



**DR SHABINA AHMED**  
SPEAKER



**DR SAMIR DALWAI**  
SPEAKER



**DR MKC NAIR**  
SPEAKER



**DR ANJAN BHATTACHARYA**  
SPEAKER



**DR ZAFAR MEENAI**  
SPEAKER



**DR JEESON UNNI**  
SPEAKER



**DR LEENA DESHPANDE**  
SPEAKER



**DR KS MULTANI**  
MODERATOR



**DR SHAMBHAVI SETH**  
MODERATOR

30 JUNE 2022 | 8:30PM - 10:30PM

Topic	Speakers
DEVELOPMENTAL DELAY / RED FLAG SIGNS	Dr Shabina Ahmed
ROLE OF PEDIATRICIAN IN ABNORMAL CHILD DEVELOPMENT	Dr Samir Dalwai
EVALUATION IN ABNORMAL DEVELOPMENT (incl genetics)	Dr Anjan Bhattacharya
MULTIDISCIPLINARY MANAGEMENT : what it means?	Dr Zafar Meenai
MEDICAL MANAGEMENT of NDDs	Dr Jeeson Unni
PARENTAL COUNSELLING	Dr Leena Deshpande
INTERACTION - Q & A	





## Month in pics



ECD workshop at Ghaziabad