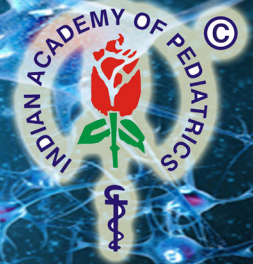




October 2022

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 Neurodevelopmental Chapter of IAP! Hope all of you have enjoyed the festive season yet keeping safe.



October is the Awareness month for Down's syndrome and Awareness days in this month include "World Cerebral Palsy Day on 2nd October" and "World Day of Bullying prevention on 5th October".

According to WHO, the incidence of Down's syndrome is between 1:1000 to 1:1100. CP is the leading cause of chronic disability in children, making them physically and mentally handicapped and socially aloof. The incidence of CP is about 2 -2.5 cases/1000 live births all over the world.

In India there are no legal policies that could handle bullying in schools. That means bullying is not technically illegal. However, if the person commits suicide, then the bullied will be liable for the abetment of suicide under section 306 of the Indian Penal Code. The incidence of bullying in India has been reported as 31.4% of school children as reported by children aged 8-12 years. However, only 24 % parents were aware that their children are being bullied. It's really a matter of concern, since very often we hear cases of suicide due to bullying in school. Other implications of bullying are depression, anxiety, poor academic performance etc. The bully and the victim both need counselling. Paediatricians have a moral responsibility to raise awareness about bullying in schools to the parents coming to their clinic.

Long live our Chapter and IAP!

Dr. Lata Bhat

Chief Editor



Chairperson's Message

Dear Reader,

This is the 1st DPT post our National Conference at Kolkata with IAP Howrah branch and I take this opportunity to thank Dr Atanu Bhadra and IAP Howrah branch for making this a great success. I, on behalf of all members of IAP Neurodevelopment Chapter would like to, at the outset, record our profuse thanks to them and to IAP President Dr Remesh Kumar, IAP HSG Dr Vineet Saxena for gracing the occasion.



The Executive Committee and our AGM decisions will be shared with you all in this issue. The fellowship course for 2022-23 has begun and I welcome the new batch of fellows who have started their course in October at various centres across the country. The centres running the IAP fellowship in Developmental and Behavioral Pediatrics have been doing a great work in training the students who will in turn add to the increasing cadres of developmental paediatricians in the country.

World Cerebral Palsy Day is celebrated on Saturday 6th October 2018 and this month is the Cerebral Palsy Awareness month. The theme for the cerebral palsy day this year is “Millions of Reasons” with an aim to embrace diversity and create a more accessible future for everyone. Dyspraxia Awareness Week (7-13th October) needs also to be focused on.

There is still lots to do and many miles to go. Jai IAP.

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.

As we head into the festival season, I wish all the members and their families a happy and prosperous festival season. We all should use the festivals to teach our children our culture and traditions so that they develop good memories and bonding with each other. Children with special needs should be involved in the festivities under the supervision of adults as they too enjoy the social interaction as much as other children.



I take this opportunity to welcome the new batch of fellowship students who have joined the course at different fellowship centres across the country. The chapter will be holding the fellowship examination for the outgoing batch at St John Hospital Bengaluru in the month of November. The month of October is Down syndrome awareness month and has World Cerebral Palsy awareness day (02 Oct) and Bullying prevention awareness day (05 Oct). We have some interesting articles and journal scan related to these. Happy reading.....

Long live IAP, Jai Hind!

Wg Cdr (Dr) KS Multani

National Secretary

IAP Chapter of Neurodevelopmental Paediatrics



Journal Scan

Optimising motor learning in infants at high risk of cerebral palsy: a pilot study

Catherine Morgan, Iona Novak, Russell C Dale, Nadia Badawi

BMC Pediatrics (2015) 15:30

Abstract

Background: The average age for the diagnosis of cerebral palsy (CP) is 19 months. Recent neuroplasticity literature suggests that intensive, task-specific intervention ought to commence as early as possible and in an enriched environment, during the critical period of neural development. Active motor interventions are effective in some populations, however the effects of active motor interventions on the motor outcomes of infants with CP have not been researched thoroughly, but pilot work is promising. The aim of this study was to determine the short-term effects of “GAME”; a new and novel goal-oriented activity-based, environmental enrichment therapy programme on the motor development of infants at high risk of CP and test study procedures for a randomized controlled trial (RCT).

Methods: Pragmatic 2-group pilot RCT to assess motor outcomes, goal attainment, parent well-being and home environment quality, after 12-weeks of GAME intervention versus standard care. GAME included: creation of movement environments to elicit motor behaviours; parent training in motor learning and task analysis; frequent practice of motor tasks using a programme that was individualised to the child, was varied and focused on self-initiated movement. Data were analyzed using multiple regression.

Results: Thirteen infants were consented, randomised, treated and completed the study. At study conclusion, the GAME group (n = 6) demonstrated an advantage in Total Motor Quotient of 8.05 points on the Peabody Developmental Motor Scale-2 (PDMS-2) compared to the standard care group (n = 7) ($p < .001$). No significant differences existed between groups on any other measure.

Conclusions: GAME appears to offer a promising and feasible new motor intervention for CP, with favourable short-term motor outcomes. A pressing need exists for an adequately powered RCT with long-term end points, to determine if GAME may advance these children’s motor trajectory.

In-Motion-App for remote General Movement Assessment: a multi-site



Journal Scan

Observational Study

Lars Adde, Annemette Brown, Christine van den Broeck, et al.

BMJ Open 2021;11:e042147.

ABSTRACT

Objectives - To determine whether videos taken by parents of their infants' spontaneous movements were in accordance with required standards in the In-Motion-App, and whether the videos could be remotely scored by a trained General Movement Assessment (GMA) observer. Additionally, to assess the feasibility of using home-based video recordings for automated tracking of spontaneous movements, and to examine parents' perceptions and experiences of taking videos in their homes.

Design - The study was a multi-centre prospective observational study.

Setting - Parents/families of high-risk infants in tertiary care follow-up programmes in Norway, Denmark and Belgium.

Methods - Parents/families were asked to video record their baby in accordance with the In-Motion standards which were based on published GMA criteria and criteria covering lighting and stability of smartphone. Videos were evaluated as GMA 'scorable' or 'non-scorable' based on predefined criteria. The accuracy of a 7-point body tracker software was compared with manually annotated body key points. Parents were surveyed about the In-Motion-App information and clarity.

Participants - The sample comprised 86 parents/families of high-risk infants.

Results - The 86 parent/families returned 130 videos, and 121 (96%) of them were in accordance with the requirements for GMA assessment. The 7-point body tracker software detected more than 80% of body key point positions correctly. Most families found the instructions for filming their baby easy to follow, and more than 90% reported that they did not become more worried about their child's development through using the instructions.



Journal Scan

Conclusions - This study reveals that a short instructional video enabled parents to video record their infant's spontaneous movements in compliance with the standards required for remote GMA. Further, an accurate automated body point software detecting infant body landmarks in smartphone videos will facilitate clinical and research use soon. Home-based video recordings could be performed without worrying parents about their child's development.

Trials registration number NCT03409978.



Month in pics



Case presentation

Dr.S.PerumalSathya,Fellow in SCDC

Guide:Dr Lal D.V

Moderator:Dr Roopa Srinivasan



Month in pics

IAP CHAPTER OF NEURODEVELOPMENTAL PEDIATRICS



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IAP 2022



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JOIN US FOR A TIMELY AND ENRICHING DISCUSSION,

MY CHILD IS NOT DOING WELL AT SCHOOL - WHAT TO DO?

**4TH OCTOBER 2022, TUESDAY
8PM - 10PM**



DR JEESON UNNI
SPEAKER



DR SHABINA AHMED
SPEAKER



DR SAMIR DALWAI
SPEAKER



DR ATANU BHADRA
SPEAKER



DR MANMEET SODHI
SPEAKER



DR LEENA DESHPANDE
SPEAKER



DR PRAVEEN SUMAN
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SPEAKER



DR BARKHA CHAWLA
SPEAKER



DR INDU SURANA
SPEAKER



DR LAL DV
MODERATOR



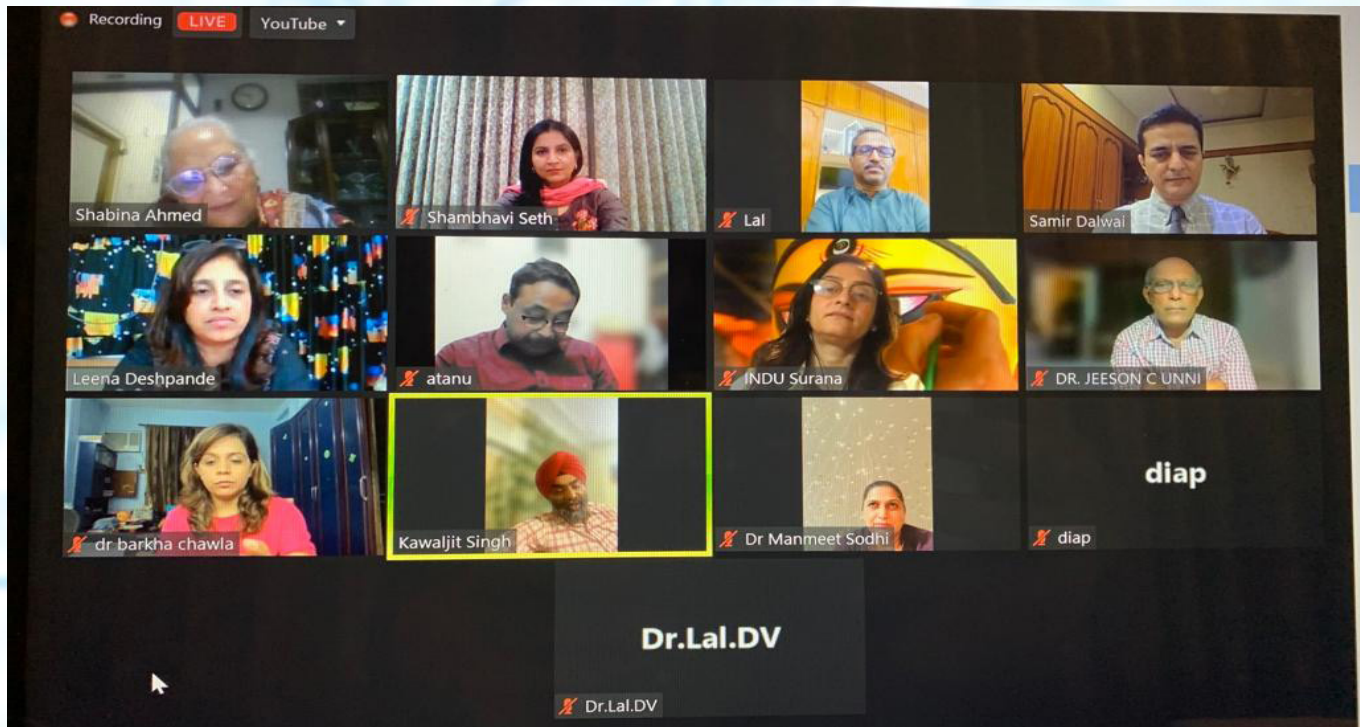
DR KS MULTANI
MODERATOR

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

If you are not able to view on the above link, please [click here](#)



Month in pics



On questioning, we get the following history (Scenario 3)

- The child started getting these pains post lockdown
- There were complaints from school for a year or so before Covid as well.
- She was seen lost in her own world, not very interactive with peers for the past year.
- She was lagging behind academically for the past two-three years.
- During Lockdown, she struggled with online classes but managed to get by as there were no formal examinations.
- On reopening, she has deteriorated rapidly. She cries easily and often. Loses her temper with parents. Appears withdrawn.
- What are your thoughts? (Experts - 6 mins)





Month in pics





Month in pics



NC- ECD workshop at Gwalior on 09 Oct 2022



Month in pics

माता-पिता के तनाव भरे रिश्तों का बच्चों के विकास पर बुरा असर



कार्यशाला में आए दिल्ली एवं अन्य शहरों के वरिष्ठ शिशु रोग विशेषज्ञ ग्वालियर के शिशु रोग विशेषज्ञों के साथ। ● सौजन्य : आयोजक

ग्वालियर (नईदुनिया प्रतिनिधि)। देश के 45 प्रतिशत बच्चे अपने संपूर्ण विकास को प्राप्त नहीं कर पाते। इसमें शारीरिक स्वास्थ्य के अलावा मानसिक, भावनात्मक सुरक्षा और सीखने के अवसर का विशेष महत्व होता है। बच्चों के पोषण आहार का भी उनके विकास में महत्वपूर्ण योगदान होता है। यहां तक कि माता-पिता के तनाव भरे रिश्तों का भी बच्चों के विकास पर बुरा प्रभाव होता है। अब प्रधानमंत्री नरेन्द्र मोदी द्वारा 'बुद्धिमान भारत' के आह्वान में देश के शिशु रोग विशेषज्ञ भी महत्वपूर्ण भूमिका निभाएंगे।

इसके लिए कालेज आफ मेडिकल साइंस नई दिल्ली के प्राचार्य डा. पीयूष

● देश के 45 प्रतिशत बच्चों का संपूर्ण विकास ही नहीं

● एकेडमी आफ पीडियाट्रिक्स की कार्यशाला में आए शिशु रोग विशेषज्ञ

गुप्ता ने रविवार को ग्वालियर एकेडमी आफ पीडियाट्रिक्स द्वारा अर्ली चाइल्डहुड डेवलपमेंट विषय पर आयोजित कार्यशाला में कई महत्वपूर्ण जानकारियां दीं। देश के कई शिशु रोग विशेषज्ञों ने इस कार्यशाला में भाग लिया। स्थानीय एक होटल में आयोजित कार्यशाला में आइएपी के पूर्व अध्यक्ष डा. सीपी बंसल ने बच्चों के पोषण आहार के बारे में विस्तार से जानकारी दी। उनका मानना है कि तीन वर्ष आयु तक के

बच्चों को मां का दूध ही ज्यादा फायदेमंद होता है और यही दूध उन्हें बुद्धिमान एवं सुदृढ़ बनाता है। दिल्ली के चाचा नेहरू बाल चिकित्सालय की डा. ममता जाजू समेत डा. एसके मुलतानी, डा. सुहास ढोंडे, डा. जेसी गर्ग, डा. केतकर, डा. मुकुल तिवारी, डा. अशोक बांगा, डा. रावत और डा. अम्बे ने भी तीन वर्ष आयु तक के बच्चों से जुड़े सभी पहलुओं को बारीकी से समझाया। संचालन एकेडमी की सचिव डा. प्रियंका गुप्ता नीखरा ने किया और आभार अध्यक्ष डा. प्रदीप जैन ने माना। इस मौके पर आइएएमए के चुनाव में सफल रहे सदस्यों, डा. सप्र, डा. प्रकाश वीर आर्य, डा. रवि अंबे, डा. एचपी अग्रवाल का भी सम्मान किया गया।



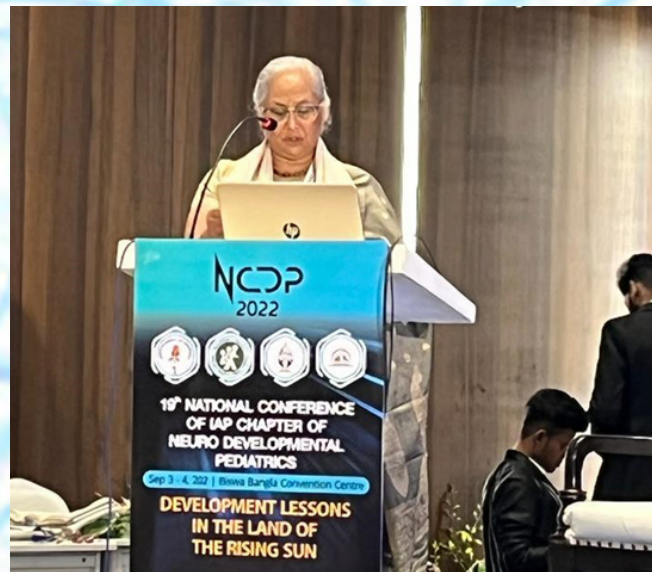
Month in pics



Sangamitra Early Intervention Centre children performing on the stage with their mothers. Music therapy has paid great dividends to both parents and children. Many of them are non verbal and without cognitive skills. Music therapy has also relaxed mothers. Khudoos to Manju Sanak and Soumiya.

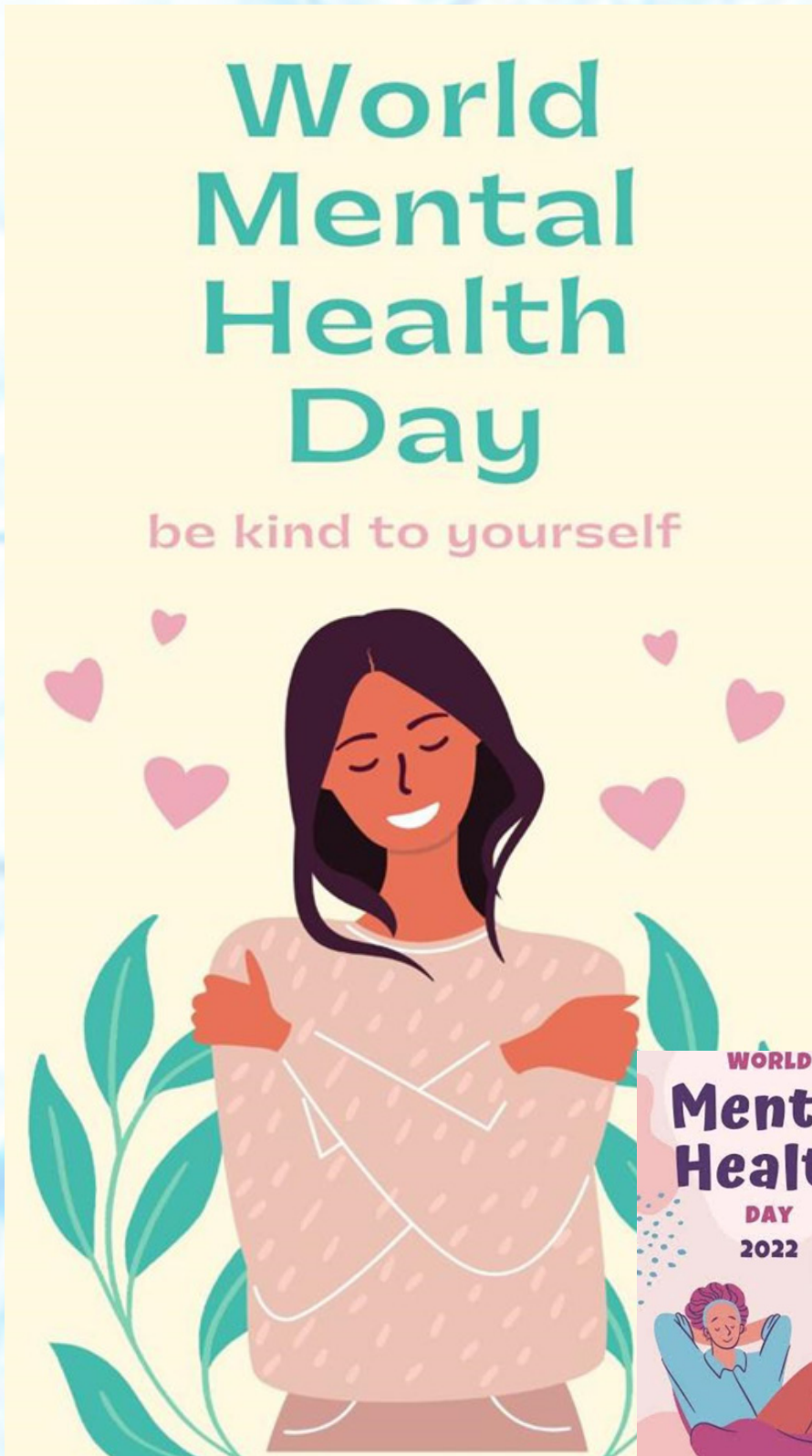


Month in pics





Month in pics





Month in pics



Deepavali wishes from Neurodevelopment Centre, IGICH, Bengaluru



Month in pics



Happy Diwali wishing with me are NIOS kids of Sangamitra centre