



DPT

DEVELOPMENTAL PEDIATRICS TODAY



June 2021

Monthly e-Newsletter of IAP Chapter of Neurodevelopmental Pediatrics

IAP CHAPTER OF NEURO DEVELOPMENTAL PEDIATRICS

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Editorial

Respected seniors and dear friends,

Greetings from the Chapter !

Currently we have some relief from Covid Pandemic after the havoc caused by the second wave . However ,still the numbers are high in some states of India ,especially in North Eastern states and the numbers are increasing in Kerala. The second wave is subsiding very slowly in India. Third wave of the Pandemic is going on in six countries in Southern Africa and three countries in North Africa .Tunisia is experiencing it's fourth wave of the Pandemic. Cases are rising in UK and United states. So we have to continue to follow the Covid appropriate behaviour. 23.3 % population in India has received at least one dose of Covid Vaccine whereas 5.9% population is fully Vaccinated. We must continue to educate the public to take Covid Vaccine. Probably Vaccination is our only hope in our fight against the Pandemic .



As the Pandemic situation continues , schools being still closed, most kids are getting restless and the incidence of anxiety and depression is on the rise.

June is PTSD awareness month and we all are dealing with the stress faced by the families who had Covid infection or death in their family. As per data ,56% of kids have lost one or both parents in 4-13 age group in India . So now we need to spread awareness about PTSD and help families and kids who come in contact with us. 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. So again we need to increase awareness about the adverse impact of increased screen time on child development.

In view of poor response to the quiz, we are thinking of stopping the it , unless our readers feel that we should continue it. Kindly send your views about the same to lata2207@gmail.com and karwaljit000@gmail.com.

Stay safe.

Long live IAP!

*Dr. Lata Bhat
Chief Editor*



Chairperson's Message

Dear Readers,

Summer Greetings to all of you.

Time has flown chasing the pandemic. We have covered almost one and half years in anxiety, in bereavement, uncertainty, confinement, social distancing, home schooling with online classes as stop gap strategy and children in particular losing peer play.



Adding to the burden of general day to day stress of living. It is time to ponder will this chronic or dysregulated stress causing harm to us and the growing children and coming up generation. Studies have shown that there are detrimental effects of chronic and episodic stresses on the neuroplasticity and neurogenesis in the hippocampus and amygdala, leading to altered behaviour in attention and concentration, cognitive difficulties, and affecting mood disorders. What we need to be aware is that these changes do not revert back to normal for several weeks even after cessation of the stressor.

Therefore we have to take care preemptively and make use of the protective mechanisms to alleviate stress. Physical exercise is said to be a good stress buster, it enhances neurogenesis and suppresses glucocorticoid influence on HPA axis. This issue highlights these thoughts and with the international yoga day we have taken the initiative to understand the role of yoga.

Happy reading and will be happy to get your feedback.

Dr. Shabina Ahmed MD, FIAP

National Chairperson

Neurodevelopmental Pediatrics Chapter of IAP



Snippets from the Secretary

*“Yoga is a light, which once lit will never dim.
The better your practice, the brighter your flame.”
- B.K.S. Iyengar*



Respected Seniors and dear friends,

Seasons greetings from the IAP Chapter of Neurodevelopmental Pediatrics.

June month saw the country slowly wriggle out of the clutches of the ‘Second Covid wave’ with reduction in numbers of case, improved availability of covid medicines, oxygen and vaccines. The wave has tested the resilience of both doctors and patients and families at all levels and though the numbers of covid cases has been coming down for some time now, we need not let down our guard lest we want to suffer again like second wave. The country lost a large number of doctors and paramedical personal in the last month to Covid and as we mourn, we should also continue to prepare for the future and the possible third Covid wave. The most heartening news is the likely availability of vaccination for children in few months which we all have been anxiously waiting for.

The year 2021 saw the schools remaining close for most of the year and the children as well as the parents are finding the going difficult. Some states have started gradual relaxation of the covid restrictions based on the number of active and new covid cases in the state. With improved vaccination coverage and covid behaviour by people, the outlook for rest of the year looks promising.

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 related to yoga and its effects. 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 i.e. patients, caregivers and care providers.

Happy reading and stay healthy and stay safe.

Jai Hind! Jai IAP !

Wg Cdr (Dr) KS Multani

National Secretary

IAP Chapter of Neurodevelopmental Paediatrics



Impact of COVID-19 on Children and Adolescents: A Recipe for Stress-free Parenting helps!!

Dr. Samir H. Dalwai, Developmental and Behavioral Pediatrician

Founder Director, New Horizons Child Development Centre, Mumbai, Maharashtra, India

Dr. Asritha Jonnalagadda, IAP Fellow in Developmental and Behavioural Pediatrics,
New Horizons Child Development Centre, Mumbai, Maharashtra, India

Dr. Manish Rammohan Garg, In-Charge, New Horizons Health and Research Foundation,
Mumbai, Maharashtra, India

The COVID-19 pandemic has had a major effect on our lives. Many of us are facing challenges that can be stressful, overwhelming, and cause strong emotions. The pandemic has not only affected the physical well-being but also mental and emotional health., especially in children and adolescents. Public health measures such as social distancing, social isolation, school closure, etc. has caused disruption in mental health of children and adolescents. The most common psychosocial and behavioral problems among children and adolescents in the pandemic were inattention, clinginess, distraction and fear about the pandemic. This risk is greatly increased in those with pre-existing mental health conditions¹.

The pandemic has unfolded a tsunami of special challenges for several families. These include small houses, high level of stress and frustration, loss of jobs and lack of smart gadgets for online education. However, a large part of the current discourse is centred around academics, syllabus, online education, homework and exams. This has impacted families and adolescents in following 5 ways:

Impact 1 - Family System - COVID-19 has exposed children and teens to the real scenario in their homes and they have seen the dynamics of their family members at play '24 X 7'. The outcome of this has either confirmed their positive belief about the family system or made them develop anxiety and feelings of bewilderment about their family and the family system at large.

Impact 2: Old Vices in New Bottles - The pandemic and resultant media over-exposure has exposed children and teenagers to all sorts of vices on the internet.

Impact 3: Vulnerability and Helplessness - The pandemic and resultant crisis in providing medical care has exposed children and teenagers to the weaknesses of every medical system in the world.

Impact 4: Premature fear of loss and death - Children and adolescents have seen pain, suffering and death at close quarters. They may be developmentally-unprepared for these experiences at such large scale and are experiencing it much earlier due to the global pandemic. We usually do not experience "fear of the unknown and uncertainty" till a certain stage of our career (e.g., the mid- life career crisis) which children and adolescent got to experience vicariously through their parents.

Impact 5: Vicarious Grief - Grief is a natural process to loss. We all probably went through the stages of experiencing grief without having a direct incident in our family but by watching, hearing and experiencing the pandemic. We may express all kinds of difficult and unexpected emotions, from shock or anger to disbelief, guilt and profound sadness. In an effort to better understand the grieving process, Elisabeth Kubler-Ross a Swiss American psychiatrist created the Kübler-Ross model, the theory of the five stages of grief and loss (Fig.1)¹. There are 5 stages of grief. They are denial, anger, bargaining, depression, acceptance.



Kübler-Ross Grief Cycle

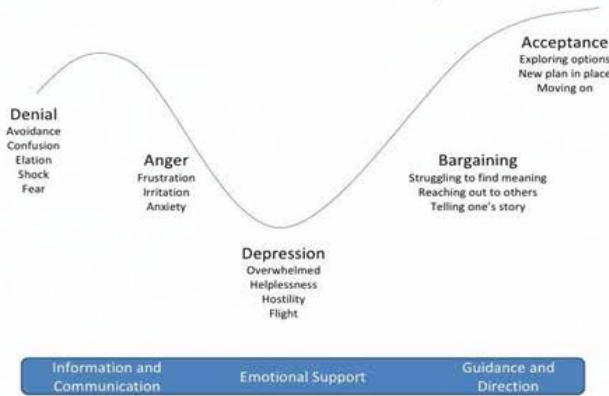


Fig 1. Kübler-Ross model grief cycle 1

...Is dard ki dawa kya hai!' (...What is the treatment for this challenge!)

The overall situation has been unequivocally overwhelming for the developmental capacity of a child and teenager. This calls for substantially increased emotional support and cathartic ventilation for children and teenagers. However, they may not necessarily have a supporting adult or caregiver in their family with the mandated listening and assuring skills to help them develop the resilience and strength to cope with their feelings.

Children and adolescents who experienced disasters might suffer from greater stress and trauma because of the lack of development of proper emotional reactions and coping techniques². So all the unresolved difficulties will accumulate and the external triggers like not meeting friends, lack of physical activity, confinement at home can act as a spark which can further worsen stress levels due to the thought process about the situation. To ease the pressure parents should help children by involving them in fun activities, increasing the resilience by becoming a good listener and being non-judgemental while acknowledging their feelings. This is very well depicted in the Fig.2

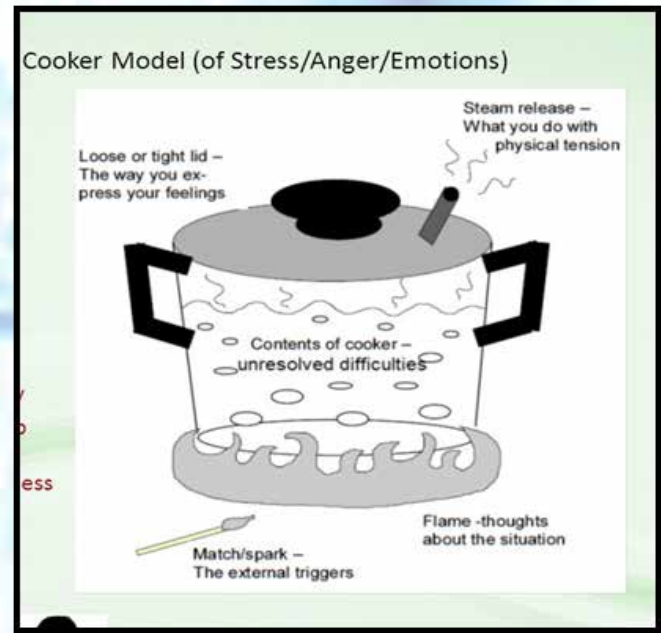


Fig 2. Pressure cooker model to deal with stress, anger and emotions

As a parent or caregiver, one should

1. Acknowledge and validate their children's thoughts and feelings.
2. Create a safe and healthy environment by addressing their concerns, encourage positive behaviour and also help them in expressing their feelings through creative interactive activities like painting, journaling, drawing etc.
3. Scheduling the day and keeping regular routines like physical activity, yoga and meditation can help in dealing with emotional stress³.
4. Provide right and age-appropriate information, addressing their concerns and queries regarding pandemic and also reassuring about safety of the family can help in reducing the anxiety related to pandemic⁴.
5. To make your child's screen time more productive research about the games before letting them play, spend some screen time together as a chance to interact and communicate, using screening tools to block access to inappropriate content, teaching child about internet safety and making sure that they know about the dangers of sharing personal information online, create technology-free zones during family meals, group conversations which can help in reducing screen time.
6. Seek professional help when required.



7. Parents should engage themselves in self-care by getting enough rest, and taking time for activities like exercise, meditation, workouts etc.

The overall understanding of COVID-19 has expanded throughout the world, yet its immediate and long-term mental health impacts on the children are challenging to estimate. Measures to prevent the virus from spreading and tackling the uncertain situations are leading to emotional distress, fear, and anxiety amongst the children and their caregivers. It is essential that parents or care givers guard the mental health of children consistently through open communication and facilitate professional counselling to address stressors. The impact of stress and adversity on physical and psychological wellbeing should be increasingly focused on in a pediatric clinic as the need of the hour.

References

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3. Lazarus PJ, Jimerson SR, Brock SE. *Helping children after a natural disaster: information for parents and teachers*. National Association of School Psychologists, Bethesda, MD. 1993.
4. Rege K, Dalwai S. Psychosocial wellness among children – suggestions and recommendation to parents, family members and counsellors during the covid-19 pandemic – a review paper. *Scholarly Research Journal for Interdisciplinary Studies*. 2020;8/61:14271-14286.



Journal Scan

Yoga Research: A Narrative Review

Tiffany Field

J Yoga & Physio 8(3): JYP.MS.ID.555742 (2020)

Abstract

This paper is a narrative review on yoga research published during the last few years (2016-2019). The review includes summaries of papers on prevalence of yoga and the use of yoga for physical and mental health. Most of the studies in the current literature have addressed yoga effects on mental and physical health conditions in adults, although some studies have focused on prenatal, pediatric and aging samples. The literature on adult mental health conditions includes stress, depression, anxiety and PTSD as well as substance disorders. The physical conditions include tinnitus, obesity and eating disorders and many studies that are focused on pain syndromes including neck pain, low back pain and knee pain and disease-related pain (e.g. fibromyalgia, diabetes, inflammatory bowel disease, multiple sclerosis and cancer).

The aging conditions treated by yoga include cardiovascular disease, stroke, Parkinson's and dementia. Studies on biomarkers are suggestive of underlying mechanisms for yoga effects including increased heart rate variability, increased connectivity based on fMRI data and reduced cortisol and pro-inflammatory cells. Yoga has typically been more effective than inactive control and waitlist control conditions, although it has not always been more effective than active comparison groups (i.e. other forms of exercise). Having established the physical and mental health benefits of yoga makes it ethically questionable to assign participants to inactive control groups. Although further research is needed, the studies reviewed here highlight the therapeutic effects of yoga, a practice that is increasingly being called yoga therapy.



Journal Scan

A systematic review of mindfulness based interventions for children and young people with ADHD and their parents

Illaria Tercelli, Nuno Ferreira.

GLOBAL PSYCHIATRY — Vol 2 | Issue 1 | 2019

Abstract

Objective: Attention deficit hyperactivity disorder (ADHD) is one of the most prevalent disorders in childhood, which may pose risks in later life such as academic underachievement and anti-social behaviour. It has been suggested that mindfulness-based interventions (MBI) may contribute to positive outcomes with child and adult populations. In this article, we aim to systematically review the literature regarding the effectiveness of MBI on both children with ADHD and their parents.

Method: Seven databases were searched using the PRISMA criteria and included peer-reviewed journals and grey literature.

Results: Ten studies met the inclusion criteria. Findings suggested that MBI had positive results in addressing attention deficits in children with ADHD, but in terms of hyperactivity, the evidence was conflicting. MBI interventions also appear to effectively address parental stress and family functioning. However, the rating from the quality assessment showed several methodological limitations.

Discussion: The current evidence on the impact of MBI on ADHD symptoms is non-conclusive. However, promising data indicated the potential for MBI in addressing parental stress and family functioning. Further research is recommended to overcome the current methodological limitations.



Journal Scan

Yoga as a therapeutic tool in autism: A detailed review

**Soccalingam Artchoudane, Ananda Balayogi Bhavanani,
Meena Ramanathan, Artchoudane Mariangela**

Yoga Mimamsa 2019;51:3-16.

Abstract

Autism is a complex neurodevelopmental disorder affecting systems of the body and behavior. Its growth rate is approximately 3% in children. This review was undertaken to search and critically analyze the literature about musculoskeletal, cardiovascular and neurological function, and behavioral outcomes of yoga interventions for individuals with autism spectrum disorder. This systematic review has four-stage screening process and rigorous critical appraisal, which resulted in the inclusion of 36 studies. As a result, in children with autism spectrum disorder with (i) the presence of muscle weakness: yoga may decrease sympathetic activity and autonomic arousal and thereby improve handgrip strength (HGS); (ii) lowered cardiac vagal tone and elevated sympathetic tone, resulting in autonomic abnormalities including impaired language, attention, and cognition: yoga reduces blood pressure and improves attention without sympathetic activation; (iii) slower reaction times and greater standard deviations: Pranayama practice enhances central processing ability; and (iv) sensory processing issues with behavior regulations give rise to the presence of repetitive behaviors: yoga improves sensory integration, motor imitations, communications, and their own thoughts and behaviors related to physical, social, and emotional well-being. Hence, this review of clinical studies suggests that approach built on yoga intervention is worth pursuing. Desired outcomes include reduction of autism rate and improved quality of life.



Journal Scan

Yoga as an Intervention for the Reduction of Symptoms of Anxiety and Depression in Children and Adolescents: A Systematic Review

Aurora James-Palmer, Ellen Z. Anderson, Lori Zucker, Yana Kofman, Jean-Francois Daneault

Frontiers in Pediatrics | 1 March 2020 | Volume 8 | Article 78

Purpose: The purpose of this review is to evaluate the implementation and effectiveness of yoga for the reduction of symptoms of anxiety and depression in youth. To our knowledge, there are no systematic reviews to date looking at the reduction of symptoms of both anxiety and depression.

Methods: Numerous scientific databases were searched up to November 2018 for experimental studies assessing changes in symptoms of anxiety and/or depression in youths following yoga interventions. Quality and level of evidence were assessed, and information was synthesized across studies.

Results: Twenty-seven studies involving youth with varying health statuses were reviewed. Intervention characteristics varied greatly across studies revealing multiple factors that may impact intervention efficacy, however 70% of the studies overall showed improvements. For studies assessing anxiety and depression, 58% showed reductions in both symptoms, while 25% showed reductions in anxiety only. Additionally, 70% of studies assessing anxiety alone showed improvements and 40% of studies only assessing depression showed improvements.

Conclusion: The studies reviewed, while of weak to moderate methodological quality, showed that yoga, defined by the practice of postures, generally leads to some reductions in anxiety and depression in youth regardless of health status and intervention characteristics.



IAP FELLOWSHIP IN DEVELOPMENTAL AND BEHAVIORAL PEDIATRICS 2021-22



Application Form for Candidates applying for the IAP Fellowship Program in Developmental and Behavioral Pediatrics Academic Year 2021-2022

1. First Name
2. Middle Name
3. Last Name
4. D.O.B..... 5. Marital Status – Married / Unmarried
6. Father / Mother / Spouse Name
7. Permanent Residential Address
8. Current Residential Address
9. Central IAP Membership Number
10. IAP Chapter of Neuro Developmental Pediatrics Membership Number.....
11. Qualifications

Name of Course	Year of Passing	College/ University

12. Email Id.....
13. Phone Number(Mobile) Alternate Number.....
14. Work Experience
15. Areas of Interest
16. Reference: Please provide contact details of your last Employer / Head of Dept of the last Institute



17. Demand draft for Application Fee- Amount 2500/- (drawn in favour of “Name of Institute Applying at”)
18. Demand Draft Number Dated
19. Please contact the Course Coordinator of the Respective Child Development Center / Medical Institute / Medical College for the same.
20. Contact details of all IAP Accredited Institutes and Contact Details of Course Coordinators available on the website.

For Office Use Only

Receipt: Cheque / D.D No: Dated

Name of the Bank

Amount mentioned

Date of Receiving

DECLARATION

I declare, that the above information is correct to the best of my knowledge.

If found false at any given time, I understand that my admission may be cancelled without prior intimation and there will be no refunding of my admission fee.

Signature:

Name of Candidate:

Date:

IMPORTANT INFORMATION

1. The Application fee of Rs 2500/- should be paid by Demand Draft in Favor of (“Name of Institute Applying at”). This is Non – Refundable.
2. Only those applications which are submitted with Demand Draft / Application fees will be acceptable.
3. The filled application form along with the DD is to be sent to the address of the respective Course Coordinator at the Accredited Institute of choice (Listed on the website www.iapndp.org).
4. Last date for application form to reach respective institutes with DD of application fee is 31st August 2021.
5. Dates for Interview at Respective IAP Accredited Institutes / Child Development Centers will be informed individually by the Course Coordinators.
6. Due to the Corona Pandemic Lockdown issues, Online Interviews may be held in the month of August/ September 2021.
7. The Shortlisted / Selected candidates will be informed through email about their selection after the online interviews. Kindly provide functional and valid email id and phone numbers on the application forms. The list of Selected Candidate will also feature on the website by mid September
8. The selected candidates will have to deposit admission fee of Rs 85,000/- for a one year IAP Fellowship Training Program once their selection is announced on the website. Last Date of submitting fees will be announced on the website as well as by the Course Coordinators.



9. Please refer to the website www.iapndp.org for further information.

Kindly attach Xerox copies of the following mentioned Certificates / Documents with the Application form and Demand Draft and send to the respective address of the IAP Accredited Institute (List available on the website). Due to the Courier / Speed Post services being on hold unpredictably, it is advised to scan all documents (self-attested) and mail them to the Respective Institutes as well as to cdgiap@gmail.com

1. Copy of the MBBS and MD / DCH / DNB degree.
2. A bonafide student certificate from the Head of Department of Pediatrics from Parent Institute from where post graduate training in Pediatrics obtained.
3. Photocopies of the certificate of the graduate and post graduate degree from the concerned University.
4. Certificate of registration with the appropriate State Medical Council or Medical Council of India
5. Curriculum vitae
6. Letter of reference from any two = Advisors of the IAP Chapter of Neuro Developmental Pediatrics (Childhood Disability Group) / IAP Executive Board Members from respective State / State IAP President / State IAP Secretary (current or past)

For Further queries please contact:

Dr Kawalji S Multani
National Secretary
08472087960

Dr Samir Dalwai
National Coordinator
09820026503

Dr Shambhavi Seth
National Co-coordinator
09811206798



List of Approved Centres for Fellowship Program in Neurodevelopmental Pediatrics 2021

Name of Institute	Course Coordinator	Place	Contact
Child Development Centre Medical College Campus Trivandrum - 695011	Dr. Babu George	Trivandrum, Kerala	dir@cdckerala.org dir@cdckerala.org
NIMS-Spectrum-Child Development Research Centre, NIMS Medicity Campus, Aralumood the Neyyattinkara, Thiruvananthapuram, Kerala – 695123	Prof Dr MKC Nair	Trivandrum, Kerala	cdcmkc@gmail.com
Child Development Centre, Pushpagiri Medical College, MC Road, Thiruvalla, Kerala- 689101	Dr. Manju George	Thiruvalla, Kerala	mysticmanju@rediffmail.com
New Horizons Child Development Centre, Saira Mansion, Pahadi School, Road No. 2, Aarey Road, Goregaon (East), Mumbai	Dr Samir Dalwai	Mumbai, Maharashtra	samyrdalwai@gmail.com
New Horizons Child Development Centre, 1st Floor, Jeevak Nursing Home, Sai Kung, MMSG Marg Dadar (East), Mumbai - 400014	Dr Samir Dalwai	Mumbai, Maharashtra	samyrdalwai@gmail.com
Ummeed Child Development Centre, 1-B, 1/62, Ground Floor, Mantri Pride, N.M. Joshi Marg, Lower Parel, Mumbai, Maharashtra	Dr. Roopa Srinivasan	Mumbai, Maharashtra	roopa.srinivasan@ummeed.org
Dept. of Pediatrics Bharati Vidyapeeth Medical College & Hospital, Katraj, Pune - 411043	Dr. Leena Shrivastava	Pune, Maharashtra	bharatiped@rediffmail.com leena.sri2012@gmail.com
Sethu Centre for Child Development & Family Guidance, 640/2, Bhutkivaddo, Sucorro Porvorim, Bardez, Goa – 403501 Ph: (0832) 6513749	Dr. Nandita D Souza	Goa	nandita@sethu.in reachus@sethu.in
Developmental Pediatrics Unit, Christian Medical College, Vellore, Tamil Nadu-PIN 632004	Dr. Samuel Philip Oommen	Vellore, Tamil Nadu	devpaed@cmcvellore.ac.in
Karthikeyan Child Development Unit, Department of Pediatrics, Shri Ramachandra Medical College, No. 1, Ramachandra Nagar, Porur, Chennai, Tamil Nadu, -600116	Dr. Udayakumar	Chennai, Tamil Nadu	drnuday@gmail.com ramachandran_dr@rediffmail.com
Saveetha, Child Development Centre, 1st floor, Saveetha Medical College, Saveetha Nagar, Thandalam, District Kancheepuram. Tamil Nadu	Dr. Lal Devayani Vasudevan Nai	Kancheepuram, Tamil Nadu	drlaldv@gmail.com
Centre for Child Development & Disabilities, No. 6, Chitrapur Bhavan, 8th Main, 15th Cross, Malleshwaram, Bangalore - 560003	Dr. Nandini Mundkur	Bengaluru, Karnataka	ccddnandini@gmail.com nandinimundkur@gmail.com
Unit of Hope for Children with Special Needs St. John's National Academy of Health Sciences; St. John's Medical College Hospital, Sarajpur Road, Bangalore -560034	Dr Maria Lewin	Bengaluru, Karnataka	maria.lewin@stjohns.in
Indira Gandhi Institute of Child Health, Govt of Karnataka Autonomous Institute, South Hospital Complex, Dharmaram College Post, Bengaluru-560029 - Karnataka	Dr Sanjay KS	Bengaluru, Karnataka	drsanjay.ks@gmail.com
Child Development Centre, Sir Ganga Ram Hospital, Rajinder Nagar, New Delhi -110060	Dr Praveen Suman	New Delhi	praveensuman@gmail.com



Month in pics

SEIHU™
Child Development and
Family Guidance

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GOAPRISM
see goa through this...

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WORLD AUTISTIC PRIDE DAY

18th June 2021

When: 5:30 - 6:30 pm
Where: Google Meet Platform
How: Click the link below





Month in pics

Two-Year Neurodevelopmental Outcomes After Mild Hypoxic Ischemic Encephalopathy in the Era of Therapeutic Hypothermia.

Mikael FINDER, MD; Geraldine B. Boylan, PhD; Deirdre Twomey, PhD; Caroline Ahearne, MD, PhD; Deirdre M. Murray, MD, PhD; Boubou Hallberg, MD, PhD


Presenter-Dr. Deepti Kamra Moderator- Dr. Leena Srivastava

IAP Fellow in Developmental and Behavioral Pediatrics
Bharati Vidyapeeth University Medical College and Hospital , Pune




Limitations as mentioned in the study

- There were number of children who lost to follow-up ,plus there was some missing data. Adjusted by multiple imputation.
- Mothers of controls lost to follow-up had a lower grade of tertiary education. However had no effect overall.
- The use of different individuals in the multicentre study to administer the BSITD-III



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Journal club activity by fellowship students



Month in pics



WEBINAR SERIES ON RARE DISEASE IN PEDIATRIC NEUROLOGY

GENETICS IN NEUROPSYCHIATRY, ADHD & AUTISM

26th June 6pm to 8pm IST

SESSION 10/15



MODERATORS



Dr. Madhulika Kabra

AIIMS, Delhi

Topic: Genetics of Primary Autism



Dr. Mini S

Government
Medical College, Trivandrum



Dr. Sowmyashree Kaku

St. John's, Bangalore

Topic: Neuroplasticity in ADHD



Ravi Kumar C P

Aster CMI, Bangalore



Dr. Samir Dalwai

New Horizons Child Development Centre, Mumbai

Topic: Behaviour Management in Neurogenetic Disorders

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Month in pics



Dr. Lata Bhat spreading Autism awareness



Month in pics



BAYLEY SCALE FOR INFANT DEVELOPMENT - III

Presenter: Dr. Abirami Meenakshi Chandrasekaran

Moderator: Dr. N. Udayakumar MD DCH DNB PGDDN

Professor of Pediatrics

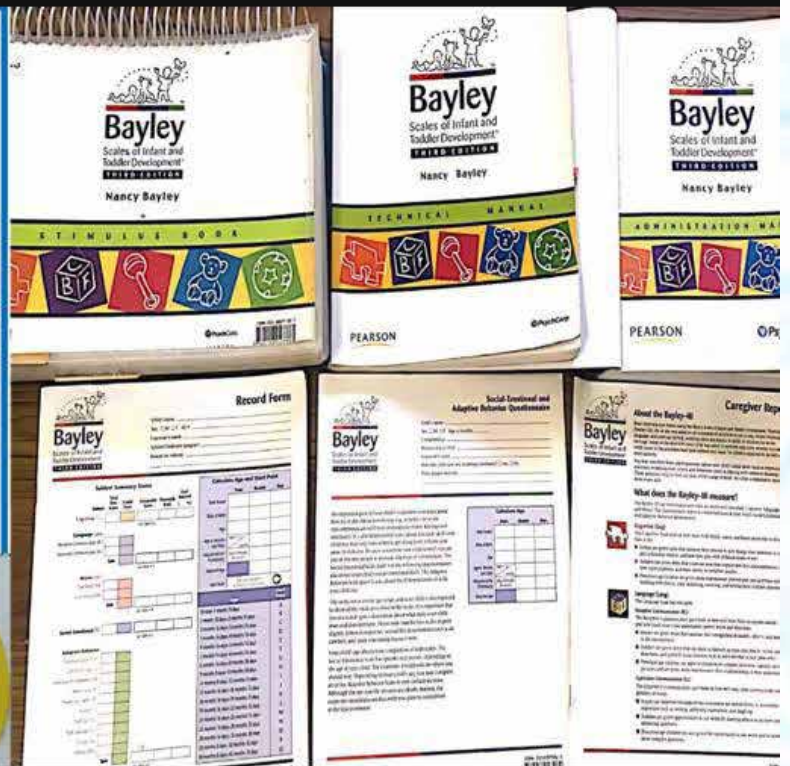
Head of KCDU, SRMC

Expert: Dr. Manju George Elenjickal

Associate professor

Head of Pratheeksha CDC, Pushpagiri Medical

College, Kerala





Month in pics



TESTING ENVIRONMENT

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NOTES | COMMENTS



Month in pics



 Kawaljit Singh Multani



Abirami Meenakshi Chandras...

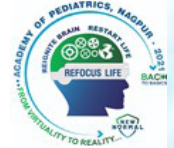




Month in pics



ACADEMY OF PEDIATRICS NAGPUR 2021



GROWTH & DEVELOPMENT- PILLARS OF PEDIATRICS IN CLINICAL PRACTICE

SUNDAY 25TH JULY 2021- 9AM- 12 PM VIRTUAL



Dr Vaman Khadilkar
Pune



Dr Hemchand Prasad
Chennai



Dr Pragya Mangla
Delhi



Dr Samir Dalwai
Mumbai



Dr Shabina Ahmed
Guwahati



Dr Leena Srivastava
Pune

Faculty For Growth Section



Dr Himanshu Dua



Dr Hari Mangtani



Dr Nikhil Lohiya



Dr Kuldeep Sukhadeve



Dr Dinesh Saroj



Dr Nirali Lohiya

Faculty For Development Section

**APPLIED FOR 2
MMC CREDIT
HOURS**

**PRESIDENT
Dr VIJAY DHOTE
SECRETARY
Dr PANKAJ AGRAWAL
CO-ORDINATOR- Dr NIKHIL LOHIYA & Dr NIRALI LOHIYA**

**Registration is free but mandatory
For queries- contact- 7218222566
email- iapnagpur@yahoo.com**

