



August 2023

# DPT

DEVELOPMENTAL PEDIATRICS TODAY



## 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 Neurodevelopmental chapter of IAP!

August is awareness month for – ‘Children’s eye health and safety’, ‘Child vision and learning’, ‘Spinal muscular atrophy awareness month’ and ‘Don’t be a bully awareness month’. All are important days to spread awareness.



Up to 10% of pre-schoolers and 25% of school-age children have a vision disorder that can impact learning and quality of life. Paediatric vision screening is vital as it can help detect conditions like strabismus and amblyopia that distort or suppress normal visual images and may lead to vision loss. Vision screening and comprehensive eye exams are important for evaluating vision disorders in children and early treatment is more likely to be effective. Vision screening is an efficient and cost-effective method that can be conducted by primary care providers, eye care professionals, school nurses and any trained persons. A child should be referred to an eye care professional if they fail a vision screening test.

Spinal Muscular Atrophy (SMA) is a genetic disorder that affects approximately 1 out of every 10,000 people. SMA is a genetic neuromuscular disease that can significantly affect quality of life and life expectancy. It’s a progressive disease. Presentation depends on the type of SMA. Symptoms may be present at birth in Type 1. They develop during childhood in type 2 and 3 and in adulthood in Type 4. Newer disease-modifying and gene replacement therapies offer promise. It’s possible to carry the gene that causes SMA and not know it. If SMA runs in a family, then genetic counselling is important especially before a future pregnancy.

I would also like to stress upon awareness regarding bullying, because in India most schools don’t have a system to prevent bullying and there is lack of awareness amongst teachers as well as parents.

Long live IAP and our Chapter!

**Dr. Lata Bhat**

Chief Editor



## Chairperson's Message

Dear Readers,

Season's greetings from NDP Chapter.

The clock has given a 360 degree turn and we are back in August with reminders of how important is breast feeding and breast milk. Breast feeding is a natural phenomenon but uptake of exclusive breast feeding is poor and still needs reminders because there is no breast feeding support system at work places. This is where we need to strike if this programme has to be successful.



We are all aware of the unique qualities of breast milk and its role in brain development and parent child bonding which alone contributes to better cognitive and social emotional development and increase in brain size by 20%-30%. Our efforts must continue on for every new mother with shared a decision making.

On the occasion of Breast feeding month this issue has interesting articles on this subject.

As the days are closure to the 20th National Conference of NDP in Guwahati, we are eagerly waiting for you to welcome you and give a memorable experience. Before I close I would like to place on record the sincere efforts of Dr Lata Bhat, Editor of the Newsletter of giving us recent updates and to Dr Kawaljit for organising and coordinating all the activities through out the year and the executive members harmonious team work and last but not the least to all the contributors for the Newsletter.

Jai hind !

Long Live IAP

Long Live NDP-IAP

**Dr. Shabina Ahmed MD, FIAP**

National Chairperson

Neurodevelopmental Pediatrics Chapter of IAP



## Snippets from the Secretary

Respected Seniors and dear friends,

**“A newborn baby has only three demands. They are warmth in the arms of its mother, food from her breasts, and security in the knowledge of her presence. Breastfeeding satisfies all three.” - Grantly Dick-Read**



Seasons greetings from the IAP Chapter of Neurodevelopmental Pediatrics.

The month started with the World Breastfeeding week. A simple but frequently neglected act in today's fast paced world, breastfeeding needs a special mention in order to remind us of this natural act of mammals. Initiation of breastfeeding within the first hour of birth, followed by exclusive breastfeeding for six months and continued breastfeeding for up to two years or beyond offers a powerful line of defense against all forms of child malnutrition, including wasting and obesity. Breastfeeding also acts as babies' first vaccine, protecting them against many common childhood illnesses. This year's World Breastfeeding Week, under its theme 'Enabling breastfeeding : making a difference for working parents' is a very apt theme in today's world as most families consist of only husband and wife and many times both of them are working. Human milk has special constituents which promote the development of baby's nervous system as well as establishes a strong bond between the mother and the child.

The national conference of the chapter will be held at Guwahati in October and the registrations for the preconference workshops are almost full. We urge the members to register for the conference early to take benefit of the prices.

Happy reading.

Jai Hind! Jai IAP !

**Wg Cdr (Dr) KS Multani**

National Secretary

IAP Chapter of Neurodevelopmental Paediatrics



## Journal Scan

### Intersectional inequalities in exclusive breastfeeding practices in India: analysis of national family health survey-4

Haseena Chekrain Valappil, Rajeev Jayalakshmi & Christian Sewor

International Breastfeeding Journal volume 18, Article number: 44 (2023)

#### Background

Exclusive breastfeeding in the initial six months of infancy plays a significant role in the physical and cognitive development of the child. One in two children below six months of age in India is not receiving exclusive breastfeeding, with the rates varying considerably between and within states. In this study, we investigated the effect of intersecting inequalities in exclusive breastfeeding practice amongst children below six months in India.

#### Methods

Data from the fourth National Family Health Survey (NFHS-4) was used for the study. The study used a weighed sample of 211,145 infants below six months. Exclusive breastfeeding practice was assessed based on the previous 24-hours feeding practice of the child. Intersecting social categories were created based on place of residence, religion, wealth index, and mothers' education. A binary logistic regression model was used to explore inequalities in the practice of exclusive breastfeeding based on the intersecting social categories.

#### Results

Exclusive breastfeeding practices varied significantly between the intersecting categories of religion, place of residence, wealth index, and education of the mother. Exclusive breastfeeding practice prevalence was the highest amongst children born in the Urban-Secondary-Poor-Others group (57.9%) and lowest amongst the Rural-Primary-Rich-Others category (34.5). In comparison to children in the most disadvantaged category (Rural-Primary-Poor-Others), children born in the Rural-Secondary-Poor-Others category had the highest odds [OR (odds ratio) 1.213; 95% CI 1.024, 1.437] of being exclusively breastfed, whilst children within the Rural-Primary-Rich-Others category had the lowest odds (OR 0.494; 95% CI 0.345, 0.708). Wide disparities were observed in the odds of engaging in exclusive breastfeeding practice amongst the middle groups than between the most advantaged and the most disadvantaged groups. The inequality indices show varied distribution of exclusive breastfeeding prevalence across the intersecting groups with higher exclusive breastfeeding prevalence noted amongst disadvantaged groups.

#### Conclusions

The study found that intersecting inequalities in exclusive breastfeeding exist in India. In order to improve exclusive breastfeeding practice, targeted interventions must acknowledge and adopt a comprehensive approach that addresses inherent inequalities resulting from the intersection of various axes of social stratification.



## Journal Scan

### Prevalence of exclusive breastfeeding for the first six months of an infant's life and associated factors in a low-middle income country

Hoang Thi Nam Giang, Do Thi Thuy Duy, Nguyen Lam Vuong, Nguyen Thi Tu Ngoc, Thu Thi Pham, Nguyen Tran Minh Duc, Trinh Thi Diem Le, Tran Thi Tuyet Nga, Le Tho Minh Hieu, Nguyen Thi Tuong Vi, Bui Minh Triet, Nguyen Tan Thach, Tran Thi Bach Truc & Nguyen Tien Huy

International Breastfeeding Journal volume 18, Article number: 47 (2023)

#### ABSTRACT

##### Background

Although breastfeeding is practiced by 98% of mothers in Vietnam, infant breastfeeding behaviors remain far from World Health Organization recommendations and continues to decline. This study aims to explore the prevalence and factors associated with exclusive breastfeeding in the first six months of an infant's life.

##### Methods

A cross-sectional study utilized a self-administered maternal questionnaire to collect data on 1072 Vietnamese mothers who brought infants aged between 6 and 30 months to a community health centre (CHC) for routine vaccination. Data collection was conducted from March to May 2021 in two cities in Central and North Vietnam. In order to measure exclusive breastfeeding, we asked mothers to recall (yes / no), if the child had received breast milk, formula, colostrum milk powder, water, vitamin / medicine, fruit juice / honey, and complementary foods aged under six months.

##### Results

In the first six months, 14.2% of mothers exclusively breastfed their infants. Multivariable logistic regression analysis demonstrated a significant association between exclusive infant breastfeeding and the highest maternal education level (university or postgraduate) (adjusted odds ratio (aOR) 2.55; 95% confidence interval (CI) 1.10, 5.91); male infants (aOR 1.72; 95% CI 1.11, 2.68); duration of skin-to-skin contact greater than 90 min (aOR 7.69; 95% CI 1.95, 30.38); receiving first breastfeeding during skin-to-skin contact (aOR 2.31; 95% CI 1.30, 4.10); completely feeding infant directly at the breast (aOR 1.65; 95% CI 1.00, 2.71) and exclusive breastfeeding intention during pregnancy (aOR 2.48; 95% CI 1.53, 4.00). When compared with mothers who were prenatally exposed to infant formula advertising classified as "often", the prevalence of exclusive infant breastfeeding was higher in mothers who classified their prenatal exposure to infant formula advertising as "sometimes" (aOR 2.15; 95% CI 1.13, 4.10), and "seldom" (aOR 2.58; 95% CI 1.25, 5.36).

##### Conclusion

The prevalence of mothers who practiced exclusive infant breastfeeding during the first six months in Vietnam was low. Infants should receive early maternal-infant skin-to-skin contact greater than 90 min and complete first breastfeeding during skin-to-skin contact. Further, mothers should be protected against infant formula advertisements to maximise the likelihood of exclusive breastfeeding during the child's infancy.



**20TH**  
NATIONAL CONFERENCE OF  
IAP CHAPTER OF  
NEURO DEVELOPMENTAL  
PEDIATRICS

**NCDP  
2023**  
*Guwahati*

**THEME :** The 5 P's that make the difference

Pediatrician | Parent | Primary Caregivers | Proactive | Partnership

**BLOCK YOUR DATES**

**GUWAHATI 6 .7. 8th Oct 2023**

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**20TH**  
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NEURO DEVELOPMENTAL  
PEDIATRICS

# NCDP 2023

*Guwahati*  
6-7-8th  
Oct 2023

## REGISTRATION SLABS : SEPTEMBER

| REGISTRATION SLABS | IAP MEMBER | NON- MEMBER / ALLIED PROFESSIONALS | STUDENT | NURSE  | ACCOMPANYING GUEST |
|--------------------|------------|------------------------------------|---------|--------|--------------------|
| Sept 1 - Sept 17   | 6000/-     | 7000/-                             | 5000/-  | 4000/- | 5000/-             |

SCAN TO REGISTER



OR

**CLICK HERE**



Venue : Hotel Kiranshree Grand

# GUWAHATI AWAITS YOU

6.7.8th Oct 2023

Join us to **MEET THE FACULTY STALWARTS** to learn more about  
Early intervention , family - centered care , innovation , collaboration & many more  
**3 DAYS OF SCIENTIFIC DELIBERATIONS | 30 SPEAKER / PANEL SESSIONS | WORKSHOPS | SCIENTIFIC PAPERS**

OCTOBER 6-7-8TH .2023

[ncdp2023@gmail.com](mailto:ncdp2023@gmail.com)

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## 20TH

NATIONAL CONFERENCE OF  
IAP CHAPTER OF  
NEURO DEVELOPMENTAL  
PEDIATRICS

# NCDP 2023

*Gurukul*

# UNHS

LISTEN IN TO DR. ABRAHAM PAUL ON  
PEDIATRICIAN'S ROLE  
in Universal Newborn Hearing  
Screening



Hearing loss is a serious problem, but it doesn't have to be a barrier to success. Early detection and intervention can help babies with hearing loss thrive. **Don't miss out, learn more about UNHS now.**

**CLICK HERE**



**REGISTER  
NOW BEFORE  
PRICES GO UP!**

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## 20TH

NATIONAL CONFERENCE OF  
IAP CHAPTER OF  
NEURO DEVELOPMENTAL  
PEDIATRICS

# NCDP 2023

Guwahati

6-7-8th  
Oct 2023

Labels can be helpful in providing  
access to services and supports, but ...

# How much labelling is too much labelling?

LISTEN IN TO DR. SAMIR DALWAI



Join us at the NCDP2023 Conference to learn more about the pros & cons of  
labeling, and how to use labels in a way that is beneficial for children with  
Neurodevelopmental disorders.

## GUWAHATI AWAITS YOU !!

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TO REGISTER





## Month in pics



independence day celebration by Sangamitra Centre - Heroes fashion show



## Month in pics



**Dr. Lata Bhat, faculty at Neurodevelopmental workshop in Uttorcon 2023 in Siliguri on 19 August 2023. Gave talk on High risk baby follow up, Screening and Early Intervention - POOR SCHOOL PERFORMANCE - Did hands on workshop on MCHAT and Vanderbilt**