

### **EDITORIAL**

### **ROTARY GREETINGS TO ALL OF YOU!!!**

### HAPPY WORLD BREASTFEEDING WEEK (AUGUST 1-7, 2024)

We feel pleased to present this booklet to bring awareness amongst all of us all for Breastfeeding. 2 The reason being to publish this booklet, Chakra Health Breastfeeding Week Special Issue is to bring – about awareness to promote breastfeeding and propagate its importance.

Breastfeeding is a natural process in which a mother feeds her baby with breast milk. The process is called nursing or chest-feeding. According to the World Health Organization (WHO), Breast-feeding is one of the most effective ways to ensure child health and survival.

However, contrary to WHO recommendations, fewer than half of infants under 6 months old are exclusively breastfed. World Breastfeeding Week is held in the first week of August every year, supported by WHO, UNICEF, and many Ministries of Health and civil society partners. The theme for 2024 is *Closing the gap: Breastfeeding support for all*. It is important to highlight the various benefits of breastfeeding both for mother and baby. It is safe, clean and contains antibodies which help protect against many common childhood illnesses.



Breastfeeding, being a natural process, offers a wide range of benefits for both, the mother and the baby. For infants, breast milk is the ideal source of nutrition, providing a perfect balance of proteins, fats, carbohydrates, and essential vitamins and minerals for their proper growth and development. Breast milk also contains vital anti-bodies that shield them from various infections, allergies, and chronic diseases by strengthening their immune system. Breastfeeding has been linked to cognitive benefits, potentially enhancing brain development. For mothers, breastfeeding offers several advantages. It aids in uterine contraction, reducing postpartum bleeding and helping the uterus

#### return to its pre-pregnancy size.

President

Secretary

Breastfeeding can contribute to weight loss, as it burns extra calories. It also carries long-term health benefits like reducing the risk of breast and ovarian cancer, type-2 diabetes, and high blood pressure. The act of breastfeeding releases oxytocin which is a hormone that promotes relaxation and can help alleviate postpartum depression.

Additionally, the close physical contact during breastfeeding leads way to a deep bond between the mother and baby which develops a feeling of emotional security and attachment between both.

This health bulletin is to promote and support breastfeeding for the health of infants and parents and seeks to eliminate barriers faced by lactating parents. *This month's theme is Nourish, Sustain, Thrive.* 

Lastly, enjoy reading and keep yourselves informed regarding Dengue which might be very useful to you in future especially in this monsoon season. Our sincere thanks to all those who have helped us with information to prepare this booklet especially from Alipore Hospital Team.

Yours sincerely



Rtn Hassan Mayet Rtn Swetal Desai





### WORLD BREASTFEEDING WEEK

**World Breastfeeding Week:** The act of breastfeeding releases oxytocin which is a hormone that promotes relaxation and can help alleviate postpartum depression.

The theme for 2024 is *Closing the gap: Breastfeeding support for all*. It is important to highlight the various benefits of breastfeeding both for mother and baby. It is safe, clean and contains antibodies which help protect against many common childhood illnesses.



"Nourish, Sustain, Thrive" marks this month's Theme. – The New York State Department of Health announced the observance of National Breastfeeding Month and World Breastfeeding Week, August 1 – 7, 2024.

The Department continues to promote and support breastfeeding for the health of infants and parents and seeks to eliminate barriers faced by lactating parents. This month's theme is **Nourish, Sustain, Thrive.** 

The benefits breastfeeding has on the health of the baby -Babies have a reduced risk of respiratory diseases, diabetes, and Sudden Infant Death Syndrome, and birth parents who breastfeed have a lower risk of high blood pressure and cancer. This is why it is critical that we continue to eliminate barriers within our communities, medical institutions, and

workplaces so that all families have the support they need to meet their infant feeding goals.



Research shows that human milk provides unique nutrients and antibodies that help protect babies from diseases such as ear infections, lower respiratory infections, and diarrhoea, and decrease the risk for asthma, diabetes, and obesity later in life. Babies can consume human milk directly by breastfeeding or by drinking expressed milk from a bottle or cup.

Breastfeeding rates have increased over the past 20 years with more than 87.6 percent of New York infants initiating breastfeeding. However, disparities persist, and rates are below national objectives. In New York, 21.6 percent of infants breastfed exclusively at 6 months and 38.2 percent continue to breastfeed at 12 months, rates well below the Healthy People 2030 objectives of 42 percent and 54 percent.

### **5 IMPORTANT FACTS ABOUT BREAST MILK**

### 1. It affects a child's sleep patterns

Breast milk makes babies sleepy.

### 2. There are hormones in breast milk

Breast milk contains prolactin and oxytocin.

### 3. It reduces the risk of illnesses

It is thought that women who breastfeed are less likely to get breast cancer.

### 4. Certain risks are lowered

The risk of infant death syndrome is reduced.

### 5. Breast milk and the body



It consumes 25% of the body's energy.

### What is the new breastfeeding 2024?

World Breastfeeding Week 2024 is a perfect time to challenge these myths and support informed decisions about breastfeeding. By addressing misconceptions and relying on expert advice, we can ensure that mothers and babies receive the support they need for a healthy start in life.

### What is the theme of breastfeeding week?

The inaugural ceremony will be followed by the panel discussion, on the theme '*Closing the gap: Breastfeeding support for all*'.

Making breastfeeding easier: Tips for new mommies



Breastfeeding is often called "the best feeding," but it can be challenging for new moms. Some women face many difficulties, while others may not.

The first week of August marks World Breastfeeding Week, a dedicated time to raise awareness about the importance of breastfeeding and to encourage support for nursing mothers around the globe. The WHO and Indian Academy of Pediatrics recommend exclusive breastfeeding for the first 6 months, then continued breastfeeding with complementary foods for up to 2 years or beyond\*.

If you face any difficulties with breastfeeding, it's important to ask for help.

5 common breastfeeding challenges and tips to overcome them





### 1. A low breast milk supply

It might be frustrating to see that your baby is not getting enough milk. While you can easily correct some causes, others may require more patience and guidance.



#### Causes:

Delayed breastfeeding, poor attachment, infrequent or short feeds, lack of skin-to-skin contact, and stress.

### Think your milk supply is low? It might be just fine!

Remember,

- Increased feeding during growth spurts like around 2-3 weeks, 6 weeks, and 3 months is common and can make your baby nurse longer and more often.
- Breasts may feel less full as your baby grows, but this doesn't mean your supply is low.

### What can you do?

- Start breastfeeding and skin-to-skin contact with your baby early
- Gently massage breasts before and during feedings
- · Pump more often, not longer
- · Stay calm and relaxed for better milk flow

2. Baby is not latching on properly

Perfecting your baby's latch may be an ongoing yet painful process. Flattened, pinched, or discolored nipples after feeding indicate improper latching.



#### What can you do?

Follow these steps to ensure that your baby has a proper latch:

- Align the baby's nose with your nipple
- · Tilt the baby's head back to open their mouth wide
- Quickly bring the baby to the breast with their chin leading
- Ensure the breast is deep in your baby's mouth, not just the nipple

### ② 3. Clogged milk ducts

Breast milk travels through ducts in your breasts to feed your baby. When these ducts become blocked, milk flow is hindered. This can cause soreness, a hard lump, or breast pain.



#### Causes:

Infrequent breastfeeding, incomplete milk removal, improperly sized pumping parts, an inefficient pump, or something repeatedly pressing on your breast, like the underwire of an ill-fitting bra.

### Signs to look for, for a good latch:

- No pain during feeding
- More areola visible above the baby's mouth
- Baby's mouth is wide open
- Your baby's chin touches the breast, the lower lip is rolled down, and the nose isn't squashed

### While no one position will work for all, you can choose the position that suits you and your baby the best.

### What can you do?

- Feed frequently or remove milk often from the affected breast
- Switch different feeding positions and try placing your baby's chin toward the lump
- Lightly massage your breast from the plugged duct down to the nipple before and during breastfeeding
- Wear comfortable-fitting lingerie to avoid breast impingement
- · Apply a warm compress

### 5. Engorged breasts

While you may confuse your engorged breasts with full breasts, they are not the same. Engorged breasts are painful, swollen, and may become red with no milk flow accompanied by fever.



#### Causes:

Excess milk production, delayed breastfeeding, poor latch.

#### What can you do?

- Start breastfeeding soon after delivery
- Ensure proper latch and attachment
- Remove milk frequently (by hand expressing or using a pump)

To prevent engorgement, try using a pump or hand expression to empty your breasts.



Feeling tenderness for the first few weeks of breastfeeding may be normal. However, cracked, sore, or bleeding nipples might warrant your attention.



Improper latching or attachment of the baby.

#### What can you do?

- Try different positions to make the baby latch properly
- Apply a bit of breastmilk on the cracks due to its healing properties that can help relieve soreness.
- Try breastfeeding on the breast that is the least sore.

### Struggling with nipple pain? Consider applying breast creams.

# Breastfeeding is both a deeply personal and beautiful journey.

Every mom and baby is unique, so embrace your experience and find what works best for you.

**WORLD BREASTFEEDING WEEK** 



Breastfeeding is not a choice, its a responsibility



Alipore Hospital







### What is breast milk called first day?

The first milk that your breasts produce is called **Colostrum**.

### Which country ranked first in breastfeeding?

Detailed Solution. The correct answer is Sri Lanka. Sri Lanka ranked first among 97 countries in breastfeeding rate, according to a new survey conducted by the World Breastfeeding Trends Initiative (WBTi).

### Is breast milk 100% milk?

Human milk contains 0.8–0.9% protein, 4.5% fat, 7.1% carbohydrates, and 0.2% ash (minerals). Carbohydrates are mainly lactose; several lactose-based oligosaccharides (also called human milk oligosaccharides) have been identified as minor components.



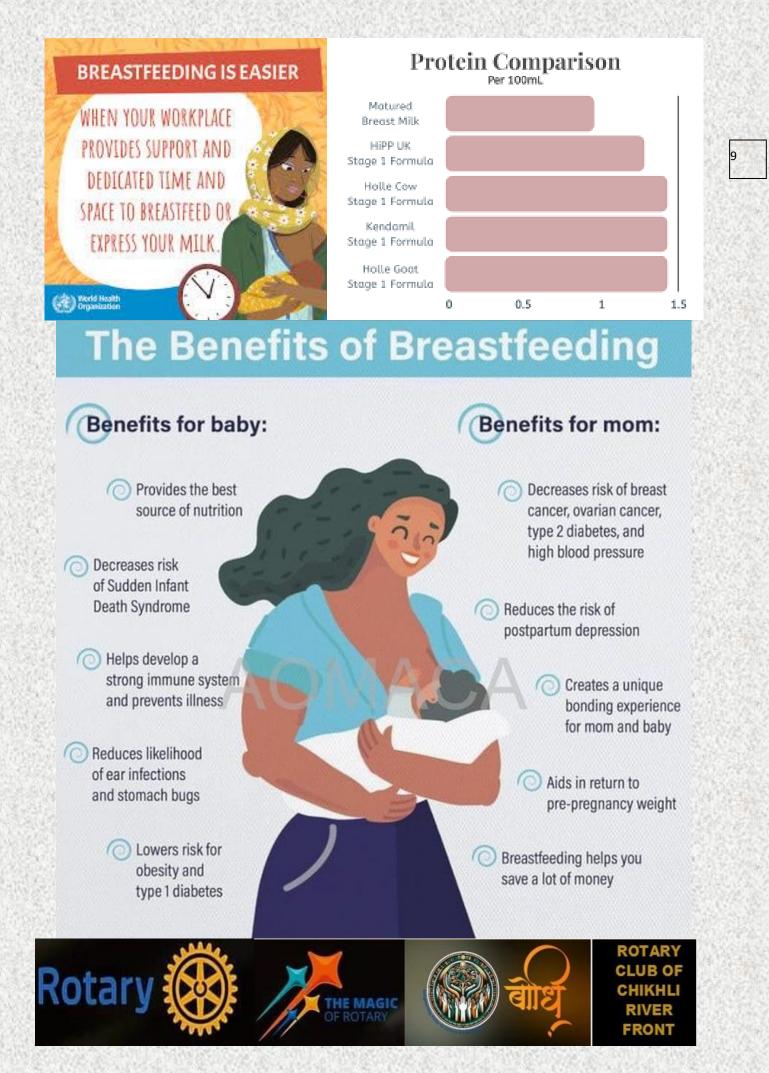




### What are the 5 steps of breastfeeding? Follow these five steps for a good latch:

- 1. Find a comfortable position for you and your baby. You can use pillows or a breastfeeding pillow for extra support.
- 2. Gently support your baby's head and shoulders so he is facing you chest to chest.
- 3. Use your nipple to tickle your baby's upper lip until his mouth is open wide.
- 4. Pull your baby onto your breast so that he takes the whole nipple and about 1 inch of your breast into his mouth. His lips should be turned outward.
- 5. To remove your baby from the breast, gently insert your pinky finger into the corner of your baby's mouth to break the suction and remove him from your breast.





### What is 'closing the gap' breastfeeding 2024?

The theme for 2024, *"Closing the Gap: Breastfeeding Support for All,"* underscores the importance of providing inclusive support systems to ensure that every mother and child can benefit from breastfeeding.

### WHO 2025 breastfeeding goals?

Ensure that there is no increase in childhood overweight; increase the rate of exclusive breastfeeding in the first 6 months up to at least 50%; reduce and maintain childhood wasting to less than 5%.

### What is the full form of WABA?

The World Alliance for Breastfeeding Action (WABA) is a network of people working on a global scale to eliminate obstacles to breastfeeding and to act on *the Innocenti Declaration*.

### How many months breastfeeding in India?

No other food or fluids should be given to infants below six months unless medically indicated. After completion of six months of age, with introduction of optimal complementary feeding, breastfeeding should be continued for a minimum of two years and beyond. Children should receive foods from all the food groups.

### What is the breastfeeding age limit?

The World Health Organization recommends that all babies be exclusively breastfed for 6 months, then gradually introduced to appropriate foods after 6 months while continuing to breastfeed for 2 years or beyond. Stopping breastfeeding is called weaning. It is up to you and your baby to decide when the time is right.

### Who breastfeed two years?

From the age of 6 months, children should begin eating safe and adequate complementary foods while continuing to breastfeed for up to two years of age or beyond. **WHO introduced breastfeeding week?** 

**WABA:** WABA coordinates the global World Breastfeeding Week (WBW) campaign that aims to inform, anchor, engage and galvanise action on breastfeeding and related issues. WBW was started in 1992 to generate public awareness and support for breastfeeding.



WABA | WORLD BREASTFEEDING WEEK 2024

### U.S. Breastfeeding Committee

PROTECT • PROMOTE • SUPPORT • POLICY CHANGE HEALTH EQUITY • ADVOCACY • DONOR MILK • LIQUID GOLD • **THIS** • INFANT NUTRITION SECURITY • HUMAN MILK • FAMILIES • **IS** • PUBLIC HEALTH • EQUITY • BABIES HEALTH • ATTACHMENT • **OUR** • MATERNAL HEALTH INFANTS • BREASTFEEDING • BONDING • **WHY** • INVESTING IN THE FUTURE • OPTIMAL FIRST FOOD • COMMUNITIES LACTATION • FRIENDLY ENVIRONMENTS • PAID LEAVE





A GUIDE TO THE HEALTH BENEFITS

BREAST-FEEDING IN AMERICA

PRFAST-FED

WERE BREAST

THE WORLD HEALTH ORGANIZATION (WHO) RECOMMENDS THAT

MOTHERS EXCLUSIVELY BREAST-FEED THEIR BABIES FOR AT LEAST SIX MONTHS

UNTIL ONE YEA

BREAST-FEED

### Advantages of Breastfeeding

### ADVANTAGES OF BREAST FEEDING

### Benefits to the baby

- Complete food
- Easily digested and well absorbed.
- Protects against infection.
- Promotes emotional bonding.
- o Better brain growth.

### Why is breastfeeding low in India?

Breastmilk

Protects against infection

onset diseases (diabetes,

high blood pressure)

· Protects against adult

Perfect nutrients

Easily digestible

· Ready to serve

Aggressive promotion of baby foods, lack of support to women in the family and at work places, inadequate healthcare support and weak overall policy and programmes were some of the reasons because of which infant and young child feeding practice indicators have not shown a consistent rise.

Breastfeeding

Helps in adequate growth

Enhances brain & visual

intelligence quotient

· Prevents hypothermia

Helps bonding and

and development

development

development

Baby has higher

### How much milk can an Indian woman produce in 24 hours?

The amount of milk a lactating adult woman can produce in a day can vary widely depending on various factors such as age, genetics, diet, and the frequency and intensity of breastfeeding or pumping. On average, a lactating woman can produce approximately 700 to 1500 ml of milk per day.



### **1** FIRST 1 HOUR

Early initiation of breastfeeding within 1 hour of birth



Exclusive breastfeeding for the first 6 months of life

2 FIRST 2 YEARS

Introduction of nutritionally-adequate and safe complementary (solid) foods at 6 months together with continued breastfeeding up to 2 years of age or beyond

### What age is best to stop breastfeeding?

It also continues to provide the balance of nutrients your baby needs. The World Health Organization recommends that all babies are exclusively breastfed for the first 6 months of their life, and from 6 months babies should start eating solid foods as well as being breastfed for up to 2 years or longer.



### WHO breastfeeding policy?

WHO and UNICEF recommend: early initiation of breastfeeding within 1 hour of birth; exclusive breastfeeding for the first 6 months of life; and, introduction of nutritionallyadequate and safe complementary (solid) foods at 6 months together with continued breastfeeding up to 2 years of age or beyond.



### We found brominated flame retardants (BFRs) in 100% of the breast milk samples we tested.

### **PBDEs**

Found in 100% of samples, North American PBDE levels have declined since their phaseout from furniture (2004) and electonics (2013).



Levels in these samples from the Northwest U.S. were 70% lower than samples from the Northwest in 2003, before PBDEs were phased out.

Why celebrate World Breastfeeding Week?

World Breastfeeding Week is celebrated every year from 1 to 7 August to encourage breastfeeding and improve the health of babies around the world.

"India can save the lives of 250,000 babies every year by just one action"



### DID YOU KNOW?

**Bromophenols** 

we tested.

8%

We found bromophenols in

88% of the breast milk samples

Breastfeeding is a protective factor and reduces the risk of \$105.

U.S. policy does not restrict

use of bromophenols as

flame retardants.

**Toxic-Free** 

FUTURE

- Breastfeeting reduces medical costs · Babies who are breastfed are less likely to develop infections and illnesses including diarrhea, ea
- fections and pneumonia Children who are breastled for at least six months are less likely to become obese later in life.
- Mothers who breastfeed have a decreased risk of developing breast and ovarian cancers.

**4** Breastfeeding Positions



Side-lying





Football hold



Use sling for discreet nursing

baby standing





sling







twins





on the pillow



### What is formula feeding?

Cradle hold

Formula is an alternative to breast milk. It's made from a special dried-milk powder. Most infant formula products are made from cow's milk, with extra vitamins and minerals. Formula also includes fat from vegetable oils. Formula powder is mixed with cooled boiled water and offered to your baby in a bottle.



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What is the lifetime duration of breastfeeding?

Exclusive breastfeeding is recommended by the World Health Organization (WHO) for the first 6 months of life and continued breastfeeding for at least first 2 years of life, with complementary foods being introduced at 6 months postpartum.

How long to breastfeed?

It's recommended that you breastfeed your baby exclusively (give them breast milk only) for the first 6 months of their life.

Breastfeeding still has lots of benefits for you and your baby after 6 months. It protects them from infections and there's some evidence that it helps with the digestion of your baby's first solid foods. It also continues to provide the balance of nutrients your baby needs.

The World Health Organization (WHO) recommends that all babies are exclusively breastfed for the first 6 months of their life, and from 6 months babies should start eating solid foods as well as being breastfed for up to 2 years or longer.



#### Components of Breast Milk Enter your sub headline here Types of Immunity IMMUNOLOGICAL BENEFITS Acquired Immunity Innate Immunity Immunoglobulins (IgA ,IgM, IgE, Protective against bacterial and Organs, tissues, and cells of the immun system that you are born with, e.g.,skir unity that develops du . vour lifetim EgD) virus infections **Bifidus Factors** Promotes formation of healthy bacterial colonization in infant's lower GI Lactoferrin Iron binding protein that reduces the availability of iron to bacteria in the GIT Lacto peroxidase Destroys bacteria Kills bacteria by destroying the cell Lysozyme wall IE BEI OF BREASTFEEDING FOR MOMS

TYPES OF IMMUNITY

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### **Stopping breastfeeding gradually**

There's no right or wrong way to stop breastfeeding. For lots of mothers and babies, stopping breastfeeding happens gradually as the child grows and eats more solid foods. It's important that solid food should not simply replace breast milk. There's evidence that breast milk may play a part in helping a baby's digestive system to deal with their first solids. Once they're eating solids, your baby will still need to have breast milk or formula as their main drink up to at least their 1st birthday.

Cows' milk is not suitable as a main drink for babies under 1 year old, although it can be added to foods, such as mashed potatoes.

Carrying on breastfeeding while giving your baby some formula can work very well.

Babies breastfeed for comfort as well as food. Phasing out breastfeeding gently will give you both time to get used to the idea. Stopping gradually will also help prevent problems like overfull, hard (engorged) breasts and mastitis.

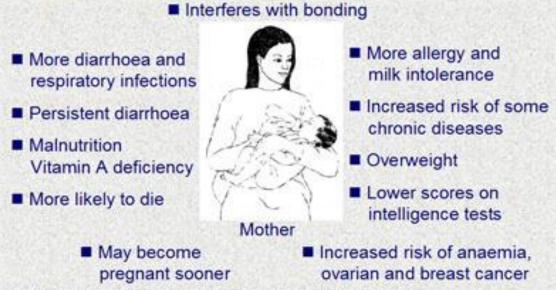
If your baby is younger than 1 year, you'll need to replace the dropped breastfeed with a formula feed from a bottle or (if they're over 6 months) a cup or beaker, instead.

If your child is over 1 year and having a variety of foods and drinks, they will not need a replacement feed.

Once you and your baby are settled into a pattern of having 1 less breastfeed, you can then think about dropping another feed. Completely stopping breastfeeding can take anything from a few weeks to several months.

If you're trying to stop breastfeeding and having problems, you can get help and ideas from a health visitor or a breastfeeding specialist.

### **Risks of artificial feeding**



Adapted from Breastleeding counselling. A training course. Geneva, World Health Organization, 1993 (WHO/CDR/93.6).

#### Slide 2.26

### **COMMON REASONS FOR STOPPING BREASTFEEDING 1. SORE OR PAINFUL BREASTS:**

Some women find breastfeeding uncomfortable, especially in the early days and weeks. Common problems include sore or cracked nipples and painful breasts. These problems can often happen when your baby is not positioned or attached well at the breast. A midwife, health visitor or a breastfeeding specialist can help you with positioning your baby and getting them properly attached.

**2. NOT ENOUGH BREAST MILK:** Lots of women worry that their baby is not getting enough milk when in fact they have plenty to meet their baby's needs. A midwife, health visitor or breastfeeding specialist can suggest ways to increase your milk supply if necessary. This could just mean making sure your baby is well attached to the breast and that you're feeding often enough.

### **3. GOING BACK TO WORK**

Some women worry about breastfeeding and returning to work. Going back to work does not necessarily mean you have to stop breastfeeding.

If your breast milk supply is well established, going back to work does not have to affect your milk supply for your baby. You can either express at work, give your breast milk to your child's carer, or provide formula milk while you're away.

If your employer is not familiar with the rules around breastfeeding and expressing in the workplace, it's worth sharing the ACAS guidance on pregnancy and maternity with them, or contacting your union if you have one.

### 4. Going on holiday

As with work, going on holiday does not mean that you have to give up breastfeeding. In fact, breastfeeding can be more convenient while you're away.

If you breastfeed, you do not need to worry about boiling water and sterilising feeding equipment. Plus, if you're flying, there's no need to worry about restrictions on carrying bottles or cups of formula through airport security checks.

Breastfeeding also helps to equalise the pressure in your baby's ears on take-off or landing.

### 5. Getting pregnant again

If you get pregnant again while you're breastfeeding, it should not affect your baby or the pregnancy. However, you may feel tired, and changes in your appetite and emotions can make breastfeeding more challenging.

Do not be put off feeding an older baby and a newborn (tandem nursing). The more milk your babies take, the more your breasts produce, so it's possible to feed more than 1 baby.

### 6. Taking some medicines

Most medicines can be taken while you're breastfeeding without harming your baby. But it's always best to tell a doctor, dentist or pharmacist if you're breastfeeding.

### **RESTARTING BREASTFEEDING AFTER STOPPING**

Stopping breastfeeding does not always have to be permanent, but starting again may take a lot of time and not everyone will produce enough to meet their baby's needs. It partly depends on how well-established your milk supply was already. Stimulating your breasts by expressing breast milk and offering the breast to your baby regularly can encourage your body to start making milk again.

Skin-to-skin contact with your baby can promote lactation (milk production) too. You can ask a midwife, health visitor or a breastfeeding specialist for help if you would like to restart breastfeeding.

### **Benefits of breastfeeding**

It's never too early to start thinking about how you're going to feed your baby. But you do not have to make up your mind until your baby is born. Some of the benefits of breastfeeding are:

- your breast milk meets all of your baby's nutritional needs
- breast milk protects your baby from infections and diseases
- breastfeeding provides health benefits for you
- breast milk is available for your baby whenever your baby needs it

• breastfeeding can build a strong emotional bond between you and your baby Formula milk does not provide the same protection from illness and does not give you any health benefits.





દરેક સારવાર એક જ છત્ર નીચે રાહતદરે ઉપલબ્ધ

CE C નેશનલ હાઈવે નં. ૪૮, આલીપોર. તા. ચીખલી, જી. નવસારી. ફોન : (૦૨૬૩૪) ૨૯૬૧૪૬, ૨૯૬૧૪७, ૨૩૩૧૪૬, ૨૩૪૧૪૬, મો. . ૯૪૮૪૯ ૪૧૦૦૬



### ડૉ. શ્રેયા પટેલ (M.D. Paedia.)

દરરોજ સવારે 10 થી 1 સુધી

ઈમરજન્સી 24 કલાક

### WE TAKE CARE OF EVERY NEED OF YOUR CHILD



### નીચે પ્રમાણેના લક્ષ્ણો ધરાવતા દર્દીઓની ઓપીડી તેમજ દાખલ દર્દી તરીકે સારવાર ઉપલબ્ધ

### લસણે

- શરદી, ઉધરસ, તાવ, ન્યુમોનીચા
- ડેન્ગ્યૂ, મેલેરીચા, ટાચફોઇડ
- આંચકી
- ઝાડા, ઉલ્ટી, ડીહાઈડ્રેશન, પેટમાં દુ:ખાવો
- મગજમાં તાવ
- બાળકોનો શારિરીક વિકાસ ન થવો
- ઝੇਦੀ ਤੁਸ਼ਾਂ)
- રોડ એક્સીડન્ટ ઇન્જરી
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### ઉપલબ્ધ સારવાર

- દેરક પ્રકારના રસીકરણ (Vaccination)
- ઓકિસજન તથા નેબ્યુલાઈઝર દ્વારા સારવાર
- ડેન્ગ્યુ, મેલેરીચા, ન્યુમોનીચાના ગંભીર કેસોની એકસ્પર્ટ દ્વારા સારવાર
- અદ્યતન આઈસીચુ
- વેન્ટીલેટર તેમજ મોનીટરની સુવિધા સાથે
  - 24 કલાક ઈમરજન્સી સારવાર
- તાલીમબધ્ધ નર્સિંગ સ્ટાક દ્વારા ઉત્તમ સારવાર
- X-Ray સોનોગ્રાફી સીટી સ્કેન પેથોલોજી - 2DECHO

#### of Types of Breastmilk are 10 benefits breastfeeding?

### **Table of Contents**

- Perfect nutrition.
- Protection.

What

- Brain power.
- Ready and portable.
- Size does not matter.
- Good for mothers too.
- Builds a special bond
- Advantages continue as baby grows

Transitional Mature Colostrum Milk Milk birth to 2-4 weeks



### What are the 3 ingredients in breast milk?

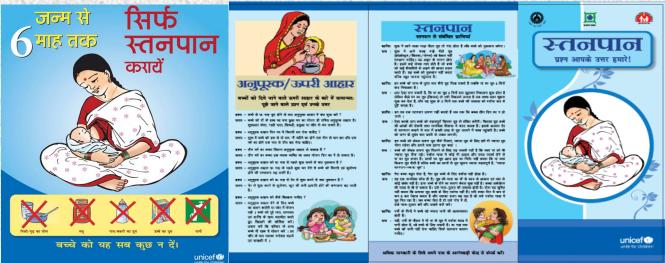
It is a baby's first meal, and contains all the essential, nourishing ingredients they need. As well as water, milk contains all three primary macronutrients: fat, carbohydrate and protein1. But there's more. Within this mix, the third largest component is an ingredient that is, bizarrely, indigestible.



### What are the four types of breast milk?

Breast milk has three different and distinct stages: *colostrum, transitional milk, and mature milk*. Colostrum is the first stage of breast milk. It occurs during pregnancy and lasts for several days after the birth of the baby. It is either yellowish or creamy in color. **What are the types of breast milk?** 

Transitional milk comes when mature breast milk gradually replaces colostrum. You will make transitional milk from 2-5 days after delivery until up to 2 weeks after delivery. You may notice that your breasts become fuller and warmer and that your milk slowly changes to a bluish-white colour.



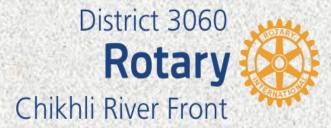
### What are the 4 stages of lactation?

These compositional changes appear uniquely to match the changing physiological needs of the infant, and can be defined based on the following time periods: 1–5 days postpartum, colostrum; 5-21 days postpartum, transitional milk; and >21 days postpartum, mature milk.



Breast milk is produced naturally by women and provides basic nutrition for a baby during the first several months of life. Your breast milk is made to order for your baby and provides the specific nutrients your baby needs to grow, both in size and maturity.





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### Breast milk has three different and distinct stages:

i) colostrum, ii) transitional milk, and iii) mature milk.

**Colostrum** is the first stage of breast milk. It occurs during pregnancy and lasts for several days after the birth of the baby. It is either yellowish or creamy in color. It is also much thicker than the milk that is produced later in breastfeeding.

Colostrum is high in protein, fat-soluble vitamins, minerals, and immunoglobulins. Immunoglobulins are antibodies that pass from the mother to the baby and provide passive immunity for the baby. Passive immunity protects the baby from a wide variety of bacterial and viral illnesses. Two to four days after birth, colostrum will be replaced by transitional milk.

*Transitional milk* occurs after colostrum and lasts for approximately two weeks. The content of transitional milk includes high levels of fat, lactose, and water-soluble vitamins. It contains more calories than colostrum.

*Mature milk* is the final milk that is produced. 90% of it is water, which is necessary to keep your infant hydrated. The other 10% is comprised of carbohydrates, proteins, and fats which are necessary for both growth and energy. There are two types of mature milk:

- Fore-milk: This type of milk is found during the beginning of the feeding and contains water, vitamins, and protein.
- Hind-milk: This type of milk occurs after the initial release of milk. It contains higher levels of fat and is necessary for weight gain.

#### ENHANCES THE IMMUNE SYSTEM

Breast milk supplies vital antibodies that safeguard the infant against illnesses and infections.

#### FOSTERS MOTHER-CHILD BONDING

Breastfeeding nurtures a profound and enduring emotional attachment between mother and baby.

#### HOLISTIC NUTRITION

Breast milk seamlessly adjusts to a baby's evolving nutritional requirements, delivering a comprehensive array of nutrients.



#### DIMINISHES DISEASE RISKS

Breastfeeding lowers the chances of allergies, childhood obesity, and specific chronic conditions in the future.

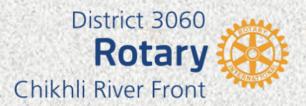
#### **MOTHERLY BENEFITS**

Aids in postpartum weight recovery, lessens the risk of breast cancer, and elevates the emotional bond with the baby.

### BENEFITS OF BREAST FEEDING

### What are the 4 stages of lactation?

These compositional changes appear uniquely to match the changing physiological needs of the infant, and can be defined based on the following time periods: 1–5 days postpartum, colostrum; 5–21 days postpartum, transitional milk; and >21 days postpartum, mature milk.



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# WHY DO BABIES NEED



Fat provides the necessary nutrients to facilitate appropriate growth and physical activity.

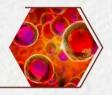
It is essential for developing the brain, nerves, and eyes.





lt promotes healthy skin.

It plays a significant role in the function of various cell types.





The body needs fat to better absorb the fat-soluble vitamins, such as vitamins A, D, E, and K.

Fats are essential for vital body functions such as blood clotting, wound healing, and inflammation.



### HEALTH BENEFITS OF BREASTFEEDING FOR YOUR BABY

Breastfeeding has long-term benefits for your baby, lasting right into adulthood.

Any amount of breast milk has a positive effect. The longer you breastfeed, the longer the protection lasts and the greater the benefits.

Breastfeeding can help to reduce your baby's risk of:

- infections, with fewer visits to hospital as a result
- diarrhoea and vomiting, with fewer visits to hospital as a result
- sudden infant death syndrome (SIDS)
- obesity
- cardiovascular disease in adulthood

Giving nothing but breast milk is recommended for about the first 6 months (26 weeks) of your baby's life.

After that, giving your baby breast milk alongside solid foods for as long as you and your baby want will help them grow and develop healthily.

Breast milk adapts as your baby grows to meet your baby's changing needs.

### HEALTH BENEFITS OF BREASTFEEDING FOR YOU

Breastfeeding and making breast milk also have health benefits for you. The more you breastfeed, the greater the benefits.

Breastfeeding lowers your risk of:

- breast cancer
- ovarian cancer
- osteoporosis (weak bones)
- cardiovascular disease
- obesity.





RC CHIKHLI RIVER FRONT CHAKRA HEALTH WORLD BREAST FEEDING WEEK SPECIAL ISSUE 2<sup>ND</sup> AUGUST 2024

### The TEN STEPS to Successful Breastfeeding







HOSPITAL POLICIES

## 5 SUPPORT MOTHERS WITH BREASTFEEDING

Helping mothers w common breastfeeding problems















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### ईअ मुल्तानी

આલીપોર હોસ્પિટલ

M.S. (General Surgeon) લેપ્રોસ્કોપી તથા જનરલ સર્જન દૂરબીનથી થતા ઓપરેશનના નિષ્ણાંત

### સમચ : ફલ ટાઈમ દરરોજ સવારે ૧૧ થી ૨ સાંજે ૪ થી દ્

- 🔳 સારણગાંઠ, હાઈડ્રોસીલ, એપેન્ડીક્ષના ઓપરેશનો
- હટસ-મસા, ભગંદર, પીત્તાશચની પથરીની સારવાર તથા ઓપરેશન
- શરીરની કોઈપણ નાની મોટી ગાંઠનું સચોટ નિદાન તથા સારવાર
- જુનો કબજિયાત તથા એસીટીડી,
- 🗖 કોઈ પણ રીતે દાઝેલાની સારવાર

- સારવાર તથા ઓપરેશનો 🔳 અકસ્માતનાં કેસોની સારવાર
- 🔳 આધુનિક પદ્ધતિ દ્વારા બાળકોની ખતના ( Circumcision ) કરી આપવામાં આવશે.

### ડૉ. દિતેશકુમાર કાછકીયા

આલીપોર હોસ્પિટલ

**Orthopedic Surgeon** 

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### હાડકાના રોગોના નિષ્ણાંત

### દરરોજ સવારે ૧૦ થી સાંજે પ

- 🔳 હાડકાના રોગના તથા ફ્રેકચરના નિષ્ણાંત
- 🔳 સંધિવાના રોગોની સારવાર
- ક્રમરના દુઃખાવા તેમજ ઓસ્ટીચોપોરાસીસની સારવાર
- 🔳 ઘુંટણ અને થાપાના સાંધા બદલવાની સર્જરી
- 🔳 ખભા અને ઘુંટણના દૂરબીનથી થતા ઓપરેશનો
- 🔳 ઘુંટણ તથા સાંધાના ઘસારા માટે કુદરતી સાંધો બચાવવા માટેના ઓપરેશન

આલીપોર હોસ્પિટલ

- દરેક પ્રકારના ફ્રેક્ચરની IITV ગાઈડેડ સારવાર
- અકસ્માતના કેસો, તમામ પ્રકારના ફ્રેકચરના ઓપરેશનો
- સ્પોર્ટસ ઇન્જરી, ૨મત-ગમત દરમિચાન થતી સ્નાચુઓ તથા લીગામેન્ટની ઈજાઓની આધુનિક ટેક્નોલોજીથી સારવાર



### આલીપોર હોસ્પિટલ નેશનલ હાઇવે નં. ૪૮, આલીપોર. તા. ચીખલી, જી. નવસારી. ફોન : (૦૨૬૩૪) ૨૩૩૧૪૬, ૨૩૪૧૪૬, ૨૩૧

પ્રસૂતિ તથા સ્ત્રી-રોગની સારવાર

ડૉ. સ્વાતિ પાડવી MD (Obs. & Gynecologist)

- લેબરરૂમ, નોર્મલ ડિલીવરી
- જોખમી ડિલીવરી તથા પીડારહિત ડિલીવરી
- સીઝેરીચન ઓપરેશન
- ગર્ભાશચનું ટાંકાવાળું તથા ટાંકા વગરનું ઓપરેશન

ગર્ભવતી માતાની સંપૂર્ણ કાળજી નિદાન અને સારવાર, સ્ત્રીરોગને લગતી અન્ય તકલીકો જેવી કે માસિકની અનિયમિતતા તેમજ પેઢાને લગતી તકલીફો તથા ત્યાંની ગાંઠોનું નિદાન તથા સારવાર. નિઃસંતાનપણાની વૈજ્ઞાનિક અને આધુનિક સારવાર

ઉત્તમ સારવાર સૌથી સસ્તા દરે



### ડૉ. શ્રેચા પટેલ (M.D. Paedia.)

દરરોજ સવારે 10 થી 1 સુધી

#### ઈમરજન્સી 24 કલા

WE TAKE CARE OF **EVERY NEED OF YOUR CHILD** 

#### નીચે પ્રમાણેના લક્ષ્ણો ધરાવતા દર્દીઓની ઓપીડી તેમજ દાખલ દર્દી તરીકે સારવાર ઉપલબ્ધ

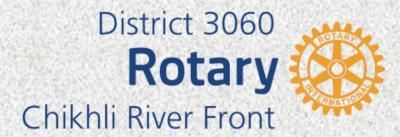
#### લસણે

()

- શરદી, ઉધરસ, તાવ, ન્યુમોનીચા
- ડેન્ગ્યુ, મેલેરીયા, ટાયફોઈડ
- આંચકી
- પેટમાં દુઃખાવો
- મગજમાં તાવ
- બાળકોનો શારિરીક વિકાસ ન થવો
- ਸ਼ੇਦੀ ਤੁਮਾ)
- રોડ એક્સીડન્ટ ઇન્જરી
- કિડની / હૃદચને લગતી તકલીફો

#### ઉપલબ્ધ સારવાર • દેરક પ્રકારના રસીકરણ (Vaccination)

- ઓક્સિજન તથા નેબ્યુલાઈઝર દ્વારા સારવાર
- ડેન્ગ્યુ, મેલેરીચા, ન્યુમોનીચાના ગંભીર કેસોની એકસ્પર્ટ દ્વારા સારવાર
- અદ્યતન આઈસીચુ
  - વેન્ટીલેટર તેમજ મોનીટરની સુવિધા સાથે 24 કલાક ઈમરજન્સી સારવાર
  - તાલીમબધ્ધ નર્સિંગ સ્ટાક દ્વારા ઉત્તમ સારવાર • X-Ray - સોનોગ્રાફી - સીટી સ્કેન પેથોલોજી
  - 2DECHO



### Alipore Hospit





28 રસ

ઇમરજન

સુવિધા

### સુંગરના લીધે સડી ગયેલા ૫ગ (ડાયાબિટીક ફૂટ) ની સારવાર e੨ਖ਼ - ਖ਼ਖ਼।, झिश्र२, ભગંદ૨ની કાપ વગર લેઝ૨થી સા૨વા૨

થાઈરોઈડ તથા પેટના આંતરડાના તમામ રોગોની





આલીપોર હોસ્પિટલ



નેશનલ હાઈવે નં. ૪૮, આલીપોર. તા. ચીખલી, જી. નવસારી. ફોન : (૦૨૬૩૪) ૨૩૩૧૪૬, ૨૩૪૧૪૬, ૨૩૧૭૪૨

### જનરલ મેડીસીન વિભાગ

ડૉ. સૌરભ પટેલ | ડૉ. ચુનુસ માચત

M.D., Physician CMO cum Administrator

M.D. (Gen. Medicine) Fellowship in 2D ECHO

દરરોજ સવારે ૧૦ થી ૨ અને સાંજે ૪ થી દ્ર દરરોજ સવારે ૧૦ થી ૨ અને સાંજે ૪ થી દ્

૨૪ કલાક ઈમરજન્સી સુવિધા

- ડાચાબીટીસની સારવાર
- દમના રોગ, તાવ, બ્લડપ્રેશરની સારવાર
- પેટના રોગોની સારવાર
- I.C.U. વિભાગ નિષ્ણાંત
- દરેક પ્રકારના તાવની સારવાર
- બ્લડપ્રેશરની વધ-ઘટ
- શરીરની સામાન્ય બિમારીઓની સારવાર
- સર્પદંશ તથા ઝેરી દવા પીધેલાની સારવાર
- મગજના રોગોની સારવાર
- હૃદયરોગનું નિદાન તથા સારવાર
- લીવરનો સોજો તથા સારવાર
- ફેફ્સાના રોગોની સારવાર
- ટીબી, ન્યૂમોનિચાની સારવાર
- પેટમાં પાણીનો ભરાવો (Ascites) ની સારવાર





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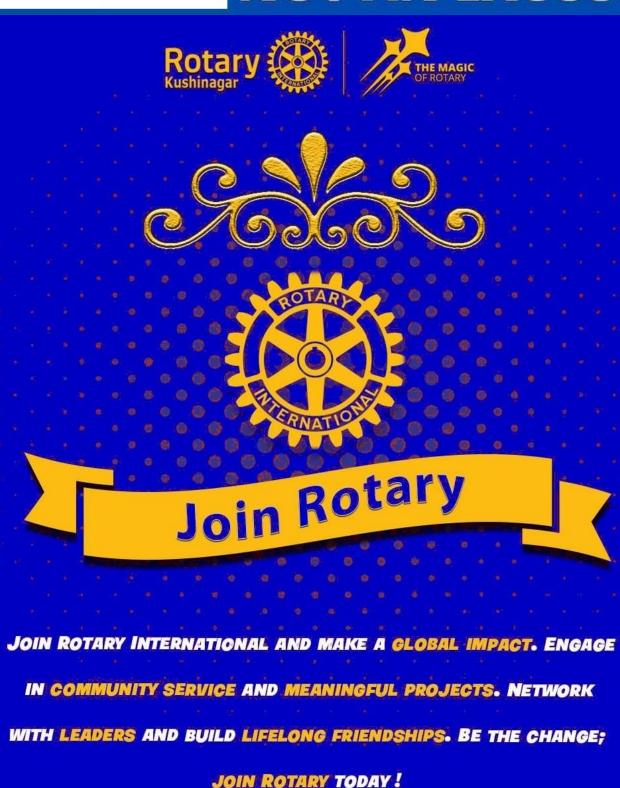


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### "Everything we do opens another opportunity for someone, somewhere"

# ROTARIANS FIND A WAY NOT AN EXCUSE

HOLGER KNAACK



# ro·ta·ry vol•un•teer

/'rōdərē/

/<sub>välən'tir/</sub>

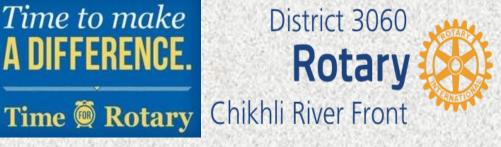
Agent of change, Person of action

### Rotary: where talk turns into action.





Time for FAMILY. Time for WORK. Time for COMMUNITY.





### WHAT IS ROTARY?

### Rotary is a global network of 1.4 million neighbours, friends, leaders, and problem-solvers who see a world where people unite and take action to create lasting change – across the globe, in our

### communities, and in ourselves.

Solving real problems takes real commitment and vision. For more than 110 years, Rotary's people of action have used their passion, energy, and intelligence to take action on sustainable projects. From literacy and peace to water and health, we are always working to better our world, and we stay committed to the end.

### WHAT WE DO

Rotary members believe that we have a shared responsibility to take action on our world's most persistent issues. Our 46,000+ clubs work together to:

- Promote peace
- Fight disease
- Provide clean water, sanitation, and hygiene
- Save mothers and children
- Support education
- Grow local economies
- Protect the environment

### **OUR MISSION**

We provide service to others, promote integrity, and advance world understanding, goodwill, and peace through our fellowship of business, professional, and community leaders.

### **VISION STATEMENT**

Together, we see a world where people unite and take action to create lasting change — across the globe, in our communities, and in ourselves.

### **DIVERSITY, EQUITY, AND INCLUSION**

As a global network that strives to build a world where people unite and take action to create lasting change, Rotary values diversity and celebrates the contributions of people of all backgrounds, regardless of their age, ethnicity, race, colour, abilities, religion, socioeconomic status, culture, sex, sexual orientation, and gender identity.

### YOUR TIME, ENERGY, AND A PASSION TO IMPROVE YOUR WORLD ARE ALL YOU NEED TO GET INVOLVED WITH ROTARY.

Become one of Rotary's people of action or explore the many opportunities we have for anyone — whatever your age or interest — who wants to improve lives in communities near and far. Connect with a local Rotary club to find out how you can get involved.

### JOIN ROTARY, BE A ROTARIAN!

### CONTACT SWETAL DESAI +91-8511103499

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### **ROTARY CLUB OF CHIKHLI RIVER FRONT**

ALIPORE HOSPITAL CAMPUS N.H.No. 48, ALIPORE -396409 TALUKA CHIKHLI DISTRICT NAVSARI GUJARAT STATE INDIA

