

Breast-milk Banking, Feeding of PT & LBW, KMC Indian Experience



• ಸರ್ವಿದ್ಯಾ ವಿಜ್ಞಾನಗಳ ಕೇಂದ್ರವನ್ನು ಸೇರಿಸಿ
• ಪ್ರಗತಿಶೀಲ ವಿಜ್ಞಾನಗಳನ್ನು ಸೇರಿಸಿ
• ಸ್ವಯಂಸಹಾಯಕಿಗಳನ್ನು ಸೇರಿಸಿ
• ಸರ್ಕಾರದ ಸೇವೆಗೆ ಸೇರಿ
• ಸರ್ಕಾರದ ಸೇವೆಗೆ ಸೇರಿ

Arun Phatak
23.11.2012

Indian Experience : Poverty

Poverty line: per capita daily income

World Bank: <\$1.2 (Rs 65)

GOI : Urban Rs. 33 and Rural Rs. 27

UPL= ~75% (WB), ~ 33% (GOI)

Malnutrition, Infections

Survival – Primary concern

Indian Experience : Illiteracy NFHS-3 (2005-06)

Illiterate mothers: Urban 41%; Rural 84%

Indian Experience: Pregnancy Care NHHS-3 (2005-06)

ANC \geq 3 visits 52%, Institutional deliveries 39%

Indian Experience: Deep Rooted Traditions with Blind Faith

Vadodara (2012)

Literate mo 91%; ANC ≥ 3 visits 96% Insti. Delivery 95%

Yet

PLF 33%; EIB 48%;

Qualitative study

Indian Experience: International Standards

Norms

Natural selection

Vadodara 2012

IUGR or IUGA?

Barker

Evidence –applicable?

Breast is Best

(even for infants of HIV infected mothers in low income countries)

Preterms

- Own mother's milk
- Another preterm milk
- Mature breast-milk
- Boilable milk (modified)

X Formula & Supplements

LBWs

- As for PTs (except PT milk)

KGP Children Hospital

1999 : NICU admissions

- without mothers ~ 33%

? Breast-milk Banking

Scare of HIV & HBV

Testing of Mothers?

Ted Greiner

Expressed Breast Milk



MOTHER'S MILK BANK
LIONS CLUB OF BARODA (MAIN)
SPONSORED BY:
LION DR. B.C. PATEL
&
LION DR. LEELA PATEL



Started with one mother- 2-3 months

Other mothers in Hospital

Problem – Cast & Religion

A large maternity home

03-06-2000 - Human Milk Bank

Human Milk Collection and Use

Year	NICU adm	BM -L	Beneficieries	
			N	% of adm.s
2003	1,249	158	564	45.16
2004	1,275	160	620	48.62
2005	1,440	165	689	47.85
2006	1,448	167	455	31.42
2007	1,117	103	438	39.21
2008	1,215	256	832	68.48
2009	1,432	328	905	63.20
2010	1,529	192	597	39.04
2011	1,318	096	498	37.78
Total (Av/yr)	12,466 (1385)	1,535 (171)	5,598 (622)	44.91 (45)



Feeding the Preterm Baby in NICU

Feeding the Preterm Baby in NICU

As soon as stable – Feeding & Development Support

GI priming / Trophic feeding / Minimal Enteral Feed

Start 10-30 ml/Kg/D (1 - 2.5 ml/Kgx2hr)

Route – Neuro-development – esp oro-pharyngeal

- Clinical – Ventilator / O₂

NGT/ OGT / Dropper / Spoon / Cup / BF



BEAR CUB 750 psv
INFANT VENTILATOR

DO NOT PUSH
DO NOT PULL







Neurodevelopmental Support

The Five Senses

Mother contact, KMC, BF



Development support



Preterm & Low Birth Weight Babies - Not Sick

Bedding in - Front open shirts

Developmental support

Feeding the child

- Deep rooted beliefs & customs**
- Long time to change**
- Commitment, patience and perseverance**
- Skills of communication**

In low income countries:

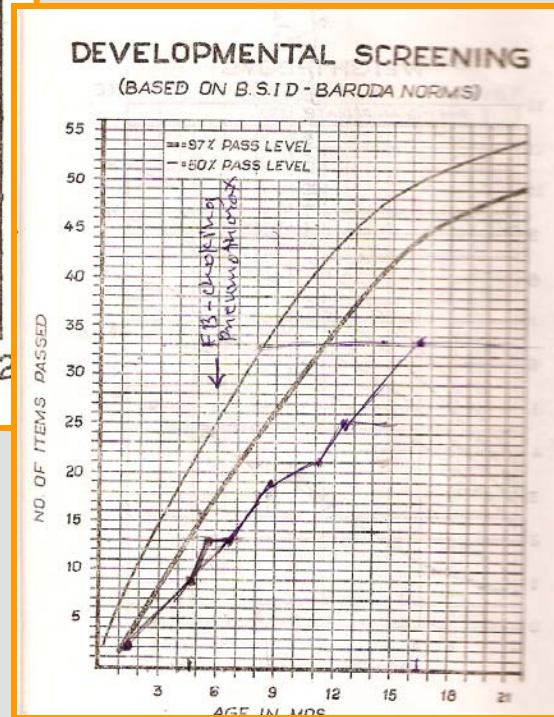
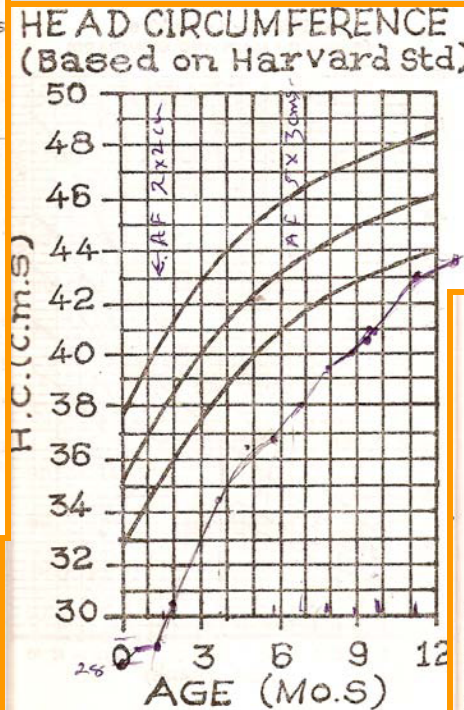
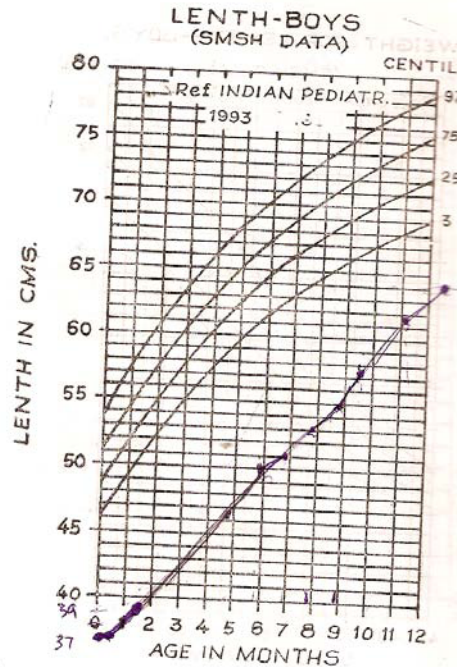
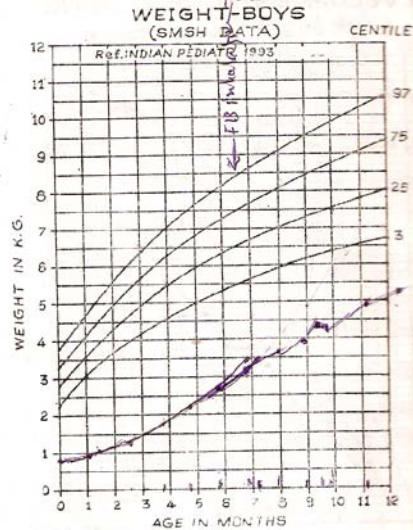
**Breast milk feeding must be promoted
universally under all circumstances**

VRP

B.Dt.15.06.07; EDD 16.08.07

B.Wt. 800 G

26.12.07
Bilal pramodh



Thank you