Implementation of PEP in India



Dr. Anupama Reddy *Consultant Pediatrician*

FERNANDEZ HOSPITAL PVT.LTD.

Health Care for Women & the Newborn



The Challenge

	Burden	Proportion of global burden	Rank in world
Live births	26 million	20%	1
Neonatal deaths	1.2 million	30%	1
Maternal deaths	136,000	25%	1

The Health System

The public health system

Private sector health services

NGOs and voluntary sector

Midwifery and Newborn Nursing

Traditional Birth Attendant (TBA)

Auxiliary Nurse Midwife (ANM)

General Nurse Midwife (GNM)

B. Sc Nursing

M. Sc Nursing

Traditional Birth Attendant (TBA)

Important care providers



40% of deliveries

Auxiliary Nurse Midwife (ANM)	General Nurse Midwife (GNM)			
Primary health care system	Crucial role			
18 months	3 years			

Fernandez Hospital

Private Hospital

Tertiary care perinatal centre

Training of postgraduate doctors



India vs Fernandez



Fernandez Nursing Staff

67 Nurses

GNMs – 40 nurses

ANMs – 27 nurses

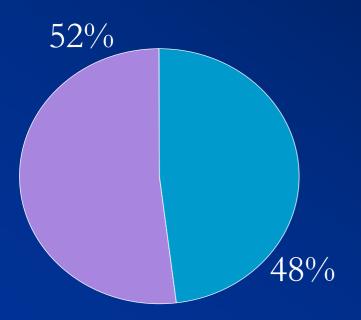
Nursing Aids – 2 nos.

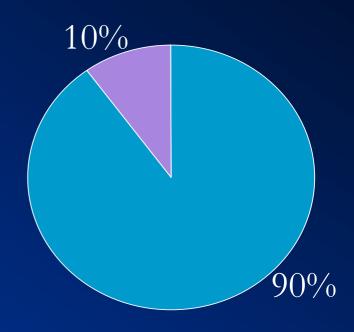
Nurse: Patient ratio is 1:3

Period of Stay > 3 years

ANMs - 27

GNMs - 40



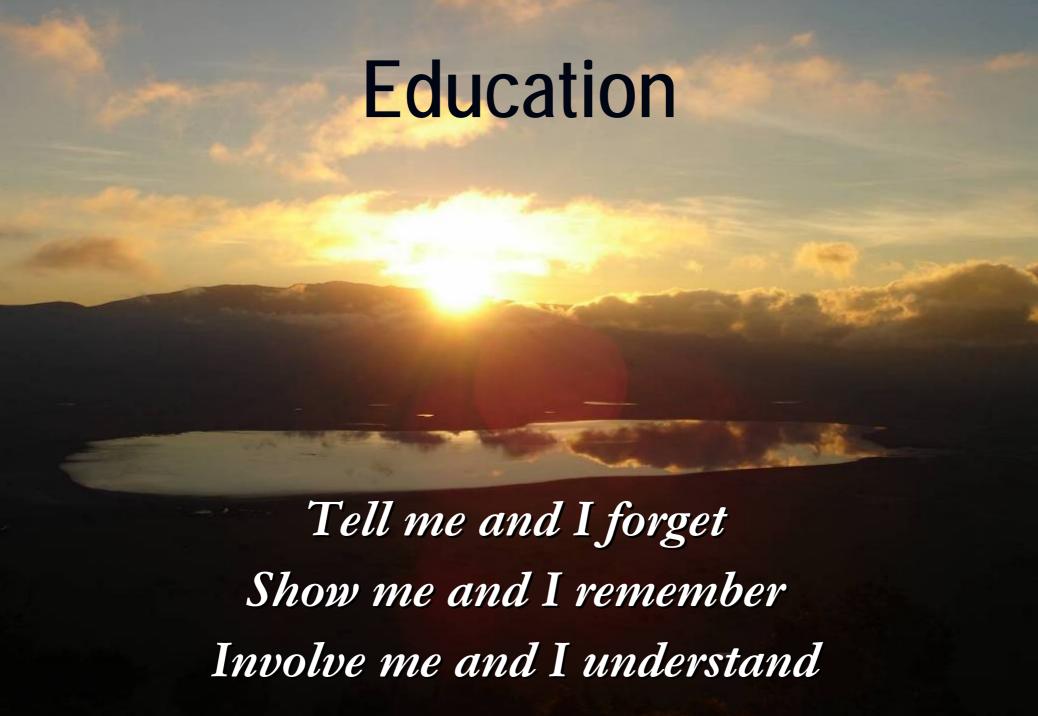


Left the hospital

Stayed in the hospital

The Nursing Challenge

- Core of professional , skilled and motivated nurses
- Provision of quality nursing care
- Knowledge of recent advances
- Improving skills



Perinatal Education Programme

- August 15th 2004
 - 8 Nurses

6 Auxiliary Nurse Midwife

2 General Nurse Midwife

Selection Criteria

Dedicated nurses

Served the hospital > 5 years

Neonatal nurses – 4

Obstetric nurses – 2

Ward nurses – 2

PEP Course

- Maternal Care
- Newborn Care
- Perinatal HIV / AIDS

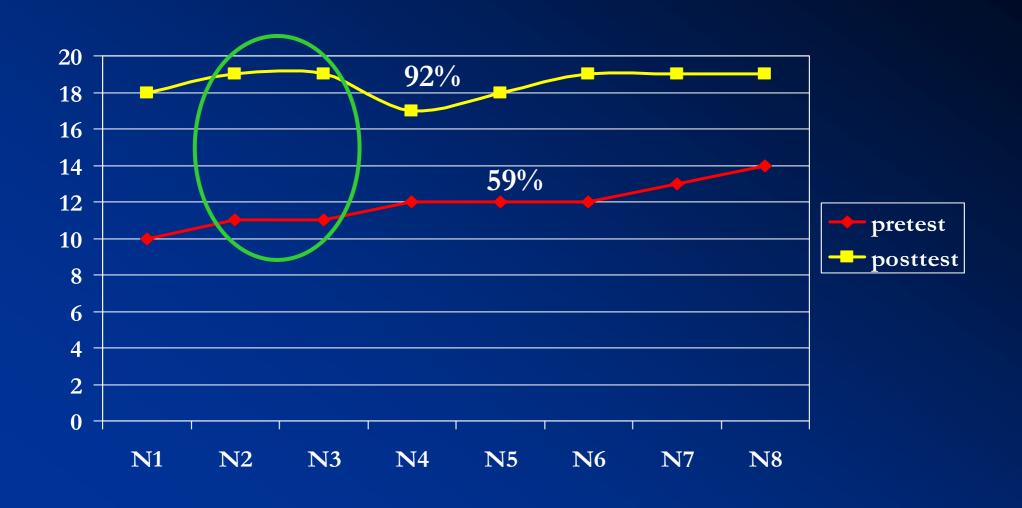
2 year course Alternate sundays

- Pre-test
- Course material / Senior Consultants
- Post-test

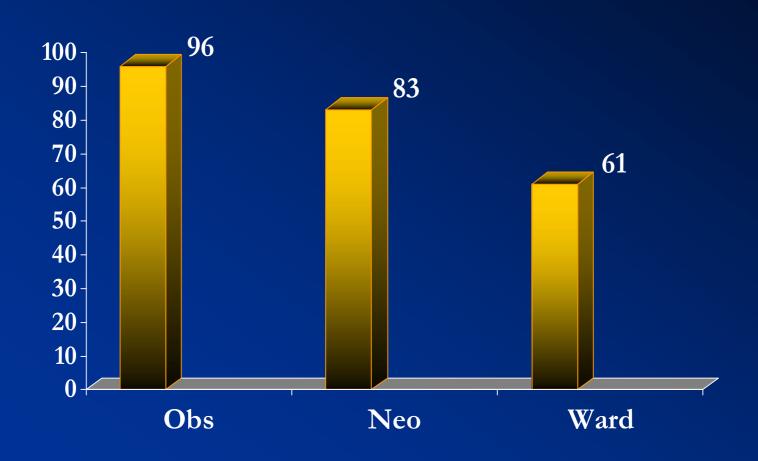
Interaction



Pre-test / Post-test



Final Exam – Results



Cost

Total course : Rs. 3,000/-

Subsidised : Rs. 1,500/-

Deposit : Rs. 500/- (refundable)

Paid by nurse : Rs. 1,000/- U.S. \$ 22



Valedictory Function

Core group of Nurses



PEP Course

Second Batch

8 Nurses - 7 ANMs + 1 GNM

4 Nurses from other hospitals

Benefits to Hospital

Improved observation skills

Reliability

Loyalty to the hospital



		Feeding ch	ov+	. '			
pate	Pime	geeding	Amount	نالاندو	metiben	R.T.A	Fi.
30101KE	SAM	Esmoreds	14ml	4	P	NIL	M
	10 Am	4/	14m				
	1714080	"	142	P	-	-	
	2-pm	и .	14m				
	upm	Ŋ	mm				
	Gpm	Com feeds	15 mg	p	4	MIL	
	gpm	11	18 mg				
	lopm	Ψ,	pend	P	p	MIL	
8/10/06	12mn	prefectogen feeds	1611				
	2+7m		16mp				
	4 Am	1/	1811	Passe	(yoce deag)	
	6Am	ts.	16 m				
	8 Am	h,	16 ms	P	р	MIL	
	loam	Crom freeds	16 NJ				
	12-NORN	1/1	16ml				
	apm	44	1620	P	Р	MIL	
	481	//	16111	`	`		
	6 pm	11	16 mg				
	86m		16m)	P	p	NIL	
	1000	*/	16m				

FERNANDEZ	HOSPITAL

Department of Neonatology

PARENTERAL FLUIDS

		t04 1m 4		at	4.08	ml	/ hr. fro	m	ē	ım / pm	FEEDS Mode: TWOL	
	JAN (4)	Am 4	W.C.	at _		ml	/ hr. fro	m	8	ım/pm	Amount: <3M/メ てype: Gon	6 de
				at		ml	/ hr. fro	m	8	um/pm	Type: Com	6 40
luids r	require	ments	_13	041)_ ml	/ kg / d	lay To	otal =	152	D MI	Total: 42M	
l'ime	Intake			Output					SHII Rem			
-	2	Mode	_	Ту					2 8		Parenteral 2-> W	1
	Gavage	Paladay	Bresst	8	Formula	Total	Urine	Stool	Vomitus / Aspirate	10g	EBM and	
8 am	ر	п.		2-M					, ,	\vdash	Formula	
0 am	-			2ml			L			\Box	Blood Product	
12 N	V			3ml			-	~			Total Input 36 mJ	
pm	~			3 m			~	-			Total Output	200
i pm	V				2010					-	Parenteral 2-7 WJ	SHIFT 2 Remarks
· p	_			3₩		_				\vdash	Formula	-
5 pm	~			3m			-	~			Blood Product	1
pm	~			S							Total Input 36 mJ	1
J	_	,		3m		_			_	-	Total Output	SHIFT 3
0 pm	-			400			レ			\vdash	Parenteral 52 w/	Remark
2 MN	-			400				L			Formula	1
am	_			yw							Blood Product	1
- am	V			Hm			v	~			Total Input 721 my	1
am	/			Und	120						Total Output	1
4 Hou	rs : Par	enteral	108	my 1	Interal	Feeds	38 W	Blo	od Produ	et	TOTAL INPUT 146	W
Urine Aspirate			Others					TOTAL OUTPUT				

Improved cognitive skills

Better attitude

Respect from colleagues

Improved practical skills



Increased confidence



Salaries



Problems

Language – English

Families / Church

Coordinating

Future Plans

- Separate Neonatal and Obstetric classes
- Power point presentations
- Public sector / National Neonatal Forum

Responsibilities – Nurses

Is PEP Possible?

Our Indian model Motivated doctors Dedicated nurses

P E P
The only option
for
optimum perinatal care