

"Management of Kangaroo Mother Program in TU DU Maternity Hospital".

Dr. Chi Luong (Vietnam)

I - Introduction:

The TU-Du OB-GYN hospital consisting of 910 beds with 150 beds for newborns is the most specialized one in treatment of women's diseases.

The most of cases of abnormal pregnancy and serious pathological signs in the 27 provinces in South Vietnam were transferred to the hospital for treatment.

The annual number of deliveries varies from 15.000 to 32.746 (1997): 90 cases/day.

1. The number of newborns at the hospital is on the increase:

- *1983 : 15.073 % Deliveries*
- *1987 : 17.002 %*
- *1990 : 20.848 %*
- *1993 : 26.017 %*
- *1995 : 30.271 %*
- *1997 : 44.9 %*

1. Preterm and low birth weight infants < 2.500g has been decreasing:

- *1985 : 20.3 %*
- *1987 : 15.2 %*
- *1992 : 13.5 %*
- *1995 : 11.6 %*
- *1997 : 11.01%*

1. Infants entering the Neonatology Department account for 1/3 of livebirths.

2. The death rate in low birth weight infants tends to decrease:

- *1990 : 16.8 %*
- *1995 : 12.8 %*
- *1996 : 12.05 %*
- *1997 : 11.11 %*
- *1998 : 9.28 %*

II - Kangaroo Mother Program

A - Hospital Facilities:

1. Inpatient Kangaroo room:

2. Kangaroo Consultation room with:

- *Equipment for examining*
- *Television and video player to propagate Kangaroo method and public health as well.*
- *Electronic scale.*

- *Some kinds of essential drug: Vitamins, iron, vitaminK1, calcium....*

B – Financial Assistance From:

- *Kangaroo mother program in Santafé de Bogotá, Colombia*
- *Charity organizations.*
- *Tu Du Hospital.*

C – Personnel:

2 Doctors Full time one

One midwife Part – time one

One specialist in physiotherapy

D – Working hours:

From 9 a.m to 12 a.m.

Monday though Friday.

E – Activities of the consultation office:

From 1/6/1997 -> 330/11/1997

Total < 1000 g 1.000 – 1500 gr >1500 – 2000 >2000 – 2200

40 01 15 21 03

- 1. Kangaroo inpatient: 06 babies*
- 2. Kangaroo position: intermittent*
- 3. Kangaroo nutrition:*

Exclusive breast-feeding : 3/40 babies: 7.5 %

Nearly exclusive breast feeding : 3/40 babies: 7.5 %

Formula Feeding : 34/40 babies: 85 %

Daily average consultation : 2 – 3 Babies

4. Kangaroo Program Drop – out : 9 babies

5. Re-admitted patient : 02 babies

6. Death : None

From 1/12/1997 -> 1/10/1998

Total < 1000 gm >1.000 – 1500 gr >1500 – 1800gm >1800 – 2200

113 07 32 55 19

1. Kangaroo inpatient: 77 %. 88/113

2. Kangaroo position: 68.8 % Continuous 62/90 intermittent 28/90 31.1%

3. Kangaroo nutrition:

- **Exclusive breast feeding: 40/90 44.4 %**
- **Nearly exclusive breast feeding: 21/90 23.3 %**
- **Formula feeding: 29/90 32.2 %**

4. Kangaroo program drops –out: 20

5. Re-admitted patient: 7 Babies 11 times

6. Death: 5 Babies

(Congenital heart disease, broncho-neumonia and inhalation: at home).

7. Daily average consultation: 10 Babies.

8. Monthly average entering Kangaroo Mother Program: 10 Babies.

Feeding

Kangaroo group Normal group

Total Babies 90 % 43 %

Exclusive BM 40 44.0 4 9.3

Nearly exclusive BM 21 23.0 10 23.2

Formula Milk 29 32.0 29 67.4

Fields of consultation

1. Physical:

Weight -- Length -- Head circumference

*** 41 Gestational weeks:**

- **Average weight: 2920 gm**
- **Average length: 48 cm**
- **Average head circumference: 38.7 c**

*** 3 moths of corrected age:**

- **Average weight: 5515 gm**
- **Average length: 59.6 cm**
- **Average head circumference: 38.7 cm**

1. General consultation:

Number %

Respiratory infection

41 weeks 8/50 16.0

3 moths 10/50 20.0

Inguinal hernia 5/50 10.0

Blind (At 3 Months) 2/50 4.0

Congenital heart disease 2/50 4.0

2. Neurology (Infanib):

3 Month:

- Normal 44/50 88 %

- Transient 6/50 12 %

3. Immunizations:

BCG, DPT, Polio, Hepatitis-B, Measles: 100%

4. The average consultation times:

41 weeks 7 times

3 months 6.2 times

6 months 4.3 times

F. The comment

1. Advantages:

We have been considerably helped with material and moral by:

- **Kangaroo Mother Program in Santafe de Bogotá**
- **The board of director.**
- **All personnel from Neonatology department in TU DU hospital**
- **Local and foreign charity organizations.**

- *Hearted participation of parents and families.*
- *An available room for mothers to apply Kangaroo method.*

1. *Disadvantages :*

- *Personnel*
- *Facilities*
- *Knowledge*
- *Climate*
- *Finantial*

III. Conclusion:

Kangaroo Method is a new one to Vietnamese. Besides, there is not enough time and personnel for us to do everything well. Therefore we only apply Kangaroo method for most of the babies under 1800grs and we haven't had good study with such small sample.