

CHAPTER V

PRESENTATION

This chapter deals with a thesis summary, which will be presented to the thesis committee. The presentation is divided into four main parts: (1) the introduction; (2) the essay; (3) the data exercise and (4) the proposal.

The thesis topic is “Strengthen Health Staff through Health Education Program for Improving Home Management for Cerebral Palsy Children in Kamphaeng Sean District, Nakhon Pathom Province, Thailand.

In the first part, I will present about the introduction of cerebral palsy (CP) which includes its problem and consequences. In the second part, the factors associated with practice of mothers/caretakers in home management for CP children will be presented with the conceptual framework of associated variables affecting mothers’ practice on home management of CP children.

In the third part, data exercise, the outcome of an assessment on practice of mothers/caretakers in home management and explore environment, culture and belief, socio-economic, knowledge, attitude, and practice of mothers/caretakers in home management in Don Koy, sub-district, Kamphaeng Sean district, Nakhon Pathon province, Thailand will be presented. These will include objectives, study design, findings, discussion and lesson learned.

In the last part, presenting the proposal will be described. The problem statement of inappropriate practice of mothers/caretakers in home management for CP children in Kamphaeng Sean district, the rationale and objective of study. Including three main components of the study will be presented: (1) Strengthen health post staff through training and developing the education materials, (2) implementing of health education, (3) the monitoring and evaluation. Lastly the activities timetable and budget of the proposal will be presented as well.

**Strengthening Health Staff through Health
Education Program to Improve Home
Management for Cerebral Palsy Children in
KamphaengSean District, Nakhon Pathom
Province Thailand**

Supanee Asawanant

MPH - June 2000 Group

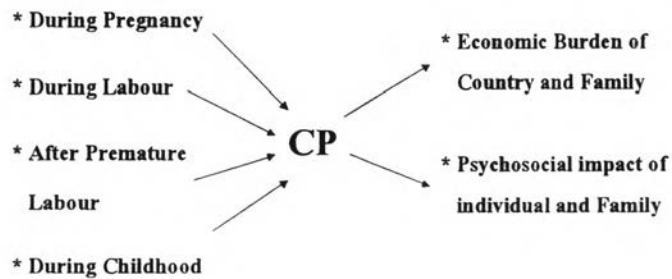
Definitions

- Cerebral Palsy (CP): A group of non-progressive disorders, due to an abnormal of the developing brain, which cause the movement and posture disorder.
- Strengthening: Strengthen the capability of providing home management education service
- Home management: Treatment or method that integrate in home activities and therapeutic technique
- Christian Care foundation for children with Disabilities(CCD): A pioneering NGO organizing rehabilitation service for disable children

Introduction

- CP is the most common ~~movement disorder of childhood~~ in the world (WHO, 1993).
- Every 300 babies born worldwide, 1 developed CP (WHO, 1993)
- In Thailand, no record of total no. of CP cases
- Records provided only in some districts such as Kamphaeng Sean district (125 CP in 250 Disable children)

Causal Web of Cerebral Palsy



How to Prevent Cerebral Palsy?

- * In most cases the causes of CP is unknown, little can currently be done to prevent it
- * Work toward healthy pregnancy through regular prenatal care, good nutrition and eliminating smoking, alcohol consumption and drug abuse

How is Cerebral Palsy Managed?

- * **Cerebral palsy can not be cured, BUT treatment or rehabilitation can improve child's capabilities and prevent secondary conditions**

Rehabilitation Services can be classified in 3 levels

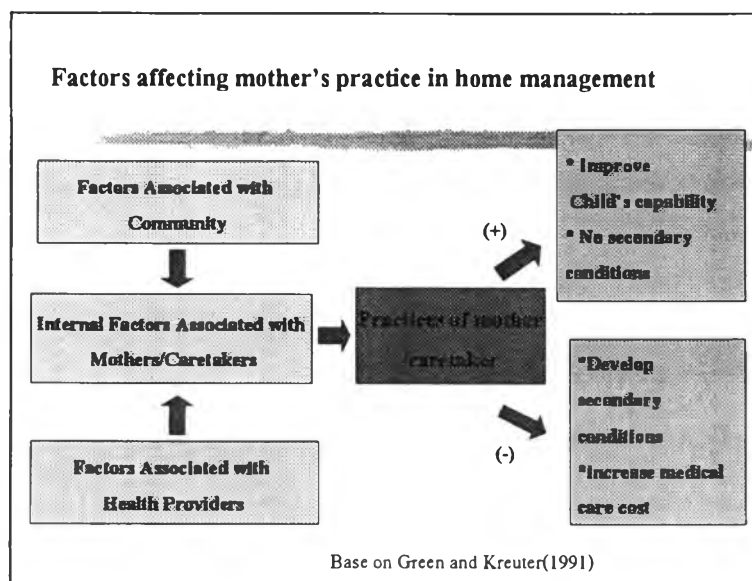
1. Family based rehabilitation
2. Community based rehabilitation
3. Institutional based rehabilitation

Why family based rehabilitation?

- Family members are involved in treatment activities
- Primary care
- Serving individual needs of the clients
- Possible integration with existing service

Why home management ?

- * Possible for mothers /care takers to practice
- * Improve CP child's capability
- * Key for protecting secondary conditions such as contractures, deformities and pressure sore
- * Integrate to daily activities of the child



Data Exercise

A Rapid Assessment on Practice in
Home Management of Mothers/Caretakers
with Cerebral Palsy Child
in Kampaeng Saen District

Objectives

- To pre-test instruments and technique for data collection
- To carry out preliminary of research instruments
- To explore socio-economic and KAP of mothers/caretakers towards home management for CP children

Study Design

* **Method:** Qualitative and Quantitative approach

* **Instrument:**

-In depth interview: 3 key informants

(1 health station staff, 1 CCD's staff, 1 mother)

-Observation checklist: actual practices of 30 mothers in positioning their children at home

-KAP structured questionnaire: 30 mothers

* **Target Population:**

- All 30 mothers/caretakers who register their CP children with Public Welfare Department in KampongSean District

Findings

■ Unavailable home management education service in Community hospital and health station for mothers/care takers with CP child

■ Mothers with CP agreed that education service is very helpful and useful for their children

Findings(cont.)

■ Health station staff possess inadequate knowledge for advising home management for mothers/caretakers with CP children

■ Absence of home management materials such as leaflets, posters, and manual guide book in the health station.

Findings (cont.) KAP Questionnaire

Demographic	Frequency	Percentage
Age : 35-40 yr	15	50
Over 40 yr	9	30
Number of children		
● 3 children	18	60
● > 4 children	10	33.4

Findings(cont.) KAP Questionnaire

Demographic (cont.)	Frequency	Percentage
Level of Education	24	80
* Elementary level		
Occupation		
● Farmer	9	30
● Daily laborer	11	36.7
Family income		
* < 2,800 baht / month	21	70

Knowledge of Mothers/Caretakers on Home Management for CP

Knowledge	Frequency	Percentage (%) (n=30)
Handling for CP child	2	6.6
Positioning & Seating for CP child	2	6.6
Preventing contractures and deformities	12	40
Encouraging the daily activities & self care of CP child	8	26.7

Attitude of Feasibility in doing Home Management

Degree of Attitude	Frequency	Percentage(%)
Strongly agree	-	-
Agree	25	83.3
Disagree	4	13.4
Strongly disagree	-	-
Undecided	1	3.3
Total	30	100

Actual Practice by Participant Observation

Practice of mothers at home	frequency	Percentage
* Manage their child in an appropriate position	6	20
* Having appropriate seat for their child	8	26.7

Discussions

* Health station and community hospital have to consider the need of mothers with CP children on home management education service

* KAP result found that high percentage of mothers/caretakers agree to do home management but low percentage of them have appropriate knowledge and practices

Lesson Learned

- * Develop good & clear instrument are important.
- * The participant observation need longer time in order to achieve all needed information

Proposal

Strengthening Health Staff through
 Health Education Program to Improve
 Home Management for Cerebral Palsy Children
 in Kampaeng Sean District ,
 Nakorn Pathom Province, Thailand

Context

Kampaeng Sean District

- Situated in the north of NakornPathom Province
- Population: 92,187 (male= 44,847 ; female=47,340)
- Number of CP children = 125 (as per report of the survey by CCD in 1998)
- Unavailability of home management education service by health station and community hospital

Rationales

* CP children aged over 1 yr have already developed contractures and deformities or secondary conditions, that need immediate treatment.

* Data exercise shows that knowledge and practices of mothers need to be improved.

* Interviews from health station staff shows their willingness to provide education service but they possess inadequate knowledge and this service is included in their job responsibilities.

General Objective:

- Mothers / caretakers are able to practice appropriate home management for CP children.

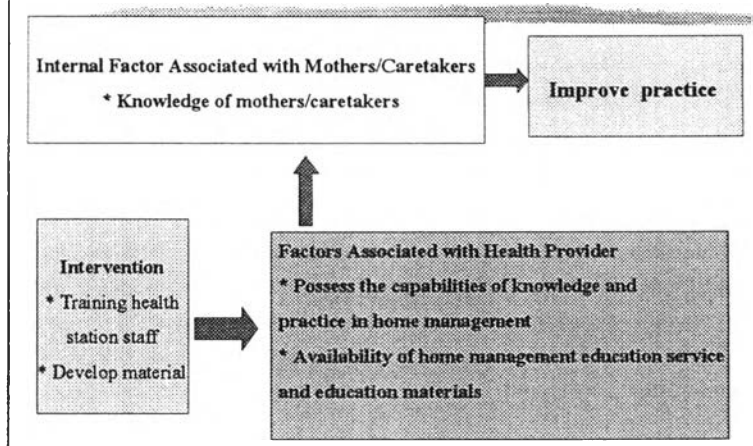
Specific Objectives:

- To strengthen home management education service of health station staff for mothers / caretakers with CP children

- To increase knowledge on home management among mothers / caretakers with CP children

- To improve the practice of mothers/ care takers on home management for CP children

Figure 1: Conceptual framework to improve practice of mothers/caretakers on home management for CP children



Program Description

Phase I:

- 1) Develop IEC materials on home management
- 2) Training of Health Station Staff

Phase II:

- 3) Implement Home Management Education Service to mothers/caretakers
- 4) Monitoring and Evaluation

Evaluation

Stage I : Evaluate output (health staff)

* informal approach through sharing of ideas and experiences before / after training

* actual demonstration and observation of the skills they possess

Evaluation (cont.)

Stage II : Evaluate outcome (mothers/CT)

- Pre / Post KAP Questionnaire of mothers/ caretakers
- Monthly report from health station
- Interview trained health staff on output
- Interview mothers/caretakers

Expected Outcomes

- Health staff can provide appropriate home management education service to mothers/caretakers with CP children
- Improve quality of life of CP children and their families

Activity Plan

Activities	Year / Month												
	2001						2002						
	7	8	9	10	11	12	1	2	3	4	5	6	
Develop IEC materials	X	X											
Training health station staff			X										
1 st KAP survey & data analysis			X										
Implementation				X	X	X	X	X	X	X			
Monitoring & evaluation				X	X	X	X	X	X	X			
2 nd KAP survey & data analysis												X	
Evaluation and writing report											X	X	

Budget

Item	Description	Breakdown (Babt)	Cost (Babt)
<i>Project Administration</i>	12 months	10,000 baht / month	120,000
<i>Develop material</i>			
- Materials and Documents Printing Cost	100 booklets	150 baht /each	15,000
<i>Training course</i>			
- Participants	6 persons, 5 days	150 baht / day / person	4,500
- Trainer	1 person, 5 days	500 baht /day/person	2,500
<i>K.A.P. survey 1st</i>			
- Personnel	2 persons, 5 days	300 baht / day / person	3,000
- Printing Document	36 questionnaire	10 baht / questionnaire	360
- Data Processing	1 person, 2 days	500 baht / day / person	1,000
<i>Implement Education Program</i>		None	None
<i>Monitoring and Evaluation</i>			
-Monthly meeting	12 times, 9 persons	Soft drink & snack	3,240
<i>K.A.P. survey 2nd</i>			
- Personnel	2 persons, 5 days	300 baht /day/ person	3,000
- Printing documents	36 questionnaire	10 baht /questionnaire	360
- Data processing	1 person, 2 days	500 baht / day /person	1,000
Data analyze and Writing Report	1 person, 5 days	500 baht / day / person	2,500
Miscellaneous			2,000
Grand total			1,58,400

Thank you

- Dr. Sathirakorn Pongpanich, thesis advisor
- CPH instructors
- Administrative staff
- CCD's staff
- All of my friends