



Development of information system for patients with cleft lip and palate undergoing operation

D. Augsornwan MPH, P Surakunprapha MD,
P Pattangtanang BNS, S Pongpagatip,
Faculty of Medicine, Khon Kaen University, Khon Kaen Thailand

Background

- ◆ Approximately 2.5 of every 1,000 children
- ◆ 100-150 cases of CL and CP /year
- ◆ Needs continuity of care, multidisciplinary team.
- ◆ feel they are in a life crisis, fear, anxiety and need to know details
- ◆ information is very important for patients/family

Background

Previous research:

- Patients and family received information 94%
- Patients satisfaction 92.48%
- Lost follow up 7.06%
- Wound Infection 0.41%

Background

◆ Nurses role :patients birth until end of Tx

- work continuously and closely
- knowledge, experience and ability to take excellent care
- prevent complications
- help decision process
- decrease parents stress and better cooperation

Objective

To develop the information system for patients with cleft lip-palate undergoing operation.

Methods

- an action research divided into 3 phases.

Phase1 Situation review

Phase2 Develop information system

Phase3 evaluation

Phase1 Situation review:

◆ review the information provided by interview
10 nurses were interviewed by semi-structured questionnaire

- what, when, how nurses are giving information for patients
- if have any problem about giving information
- how they think can solve the problems

Phase1 Situation review:

- ◆ nursing care observation:
observe nursing care from the day patients were admitted until discharge

- ◆ review nursing documents about information:
nursing assessment, nursing care plan, nurses note and other record

Phase2 Develop information system

2 focus groups, 5 nurses in each group to discuss about:

- what nurses can do to develop the system
- If anything more can be done

- ◆ guidelines
- ◆ nursing manual, hand book for parents, VCD for patients and family and story telling.

Phase2 Develop information system

- Leaflet
- Teaching protocol
- Teaching record



Phase 3 evaluation:

After implementation we evaluate the information system by interview 61 parents of patients with cleft lip and palate using the structure interview. The data collection was obtained from July-Dec. 2012

Results

1. Demographic data:

- register nurse, experience 3-13 years, average 5.7 years, age 24-35 years, average 27.30
- bachelor of nursing.
- Parents of patients with cleft lip and palate: age 17-48 years old, average 27 years old. The parents' education is primary school 92%.

2.Receiving information

Information	Not receive	Receive (%)	
		Understand	Not understand
		%	%
1.Disease &treatment	0	99.2	0.8
2.Feeding	0	100	0
3.Wound dressing	0	100	0
4.Mouth care	0	97.8	2.2
5.Pain management	0	98.4	1.6
6.Medicine	0	96.1	3.9
7.Abnormal sign/symptom	0	100	0
8.Date/time to follow up	0	100	0

3.Satisfaction:patients/parents satisfaction 94.9%

- No complication
- care giver can take care of patients
- no wound infection in this period of time.
- 0% lost follow up

Conclusion

- Information is very important for parents and family to prepare them to face to their situation and prevent complication.

- The information system development provides optimal care for patients and family, but needs to improve some techniques or tools to give some items of information and evaluate further the nursing outcome afterwards.

Acknowledgement

- Division of Nursing, Srinagarind Hospital, Khon Kaen University.
- Faculty of Medicine, Khon Kaen University
- Cleft Lip/Palate and Craniofacial Deformities Center, Khon Kaen University

Thank you