Abstract

The research has two main objectives; 1) to explore the behavioral and physical signs in newborns as a possible pain indicator, and 2) to collect pain management techniques by nurses in Northeast Thailand, Questionnaires were mailed out to nurses incharge of newborn unit of the 18 hospitals in the region. The questionnaire consists of two parts; the general information and newborn pain management. Sixty-seven percent of the questionnaires

were completed and returned. Data analysis was carried out by

using precentage and chi-square test

Results can be summarized as follows;

1. All respondents are female and the average age was 28.3 years-old. Fifty-three percent are registered sixty-three percent were single and seventy-two percent are

married without children. 2. Behavioral and physical signs when a newborn is

experiencing	pain are	summarized	in t	he	following	table.
Signs			Percent			

Sign	ıs	Percent			
1. Crying		91.8			
		01 1			

91.1

85.6 79.6

2. Fussy 3. Wiggling 4. Increase respiratory rate

76.3 5. Increase heart rate

70.0

6. Twisting of body 69.6 7. Restlessness

68.8

8. Irritability

68.0 9. Clenching of fist

66.6 10.Insomnia (Sleeplessness)

- 3. One-hundred percent of the returned questionnaires indicates that newborns perceive pain stimuli the most. Most of them claimed that they were able to assess pain in newborns at a "good" level (42.2%)
- 4. To treat newborns experiencing pain in the hospital, fifty-two percent indicates that no analgesic drugs are given, but they allow parents to stay with the newborns (20.15%)
- 5., Using Chi-square test, we found out that nurse's ability to assess pain in newborns is statistically related to their satisfaction to practice in the unit ($x^2=10.9$, df = 4, and p<0.05) and to their training, i.e. bachelor or higher ($x^2=6.1$, df = 2, and p<0.05)
- 6. The Chi-square test suggested that nurses with children have more experiences to treat the under-stressed newborns. Common treatments were soothing and verbal supports
- 7. Unexpectedly, the relationships between pain assessment techniques and its treatments and length of nurse's practices were not statistically significant.