THESIS TITLE   :   THE CLINICAL VALIDATION OF NURSING DIAGNOSIS

:   SLEEP PATTERN DISTURBANCE

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ABSTRACT

The purpose of this study was to test the construct validity of nursing diagnosis : Sleep Pattern Disturbance using on inductive method and validity model as proposed by Lo and Kim (1986)

The randomized sample was devided into 2 groups : the first group comprising 120 professional clinical nurses having a bachelor's degree, having knowledge about nursing process and able to give nursing diagnosis in Sleep Pattern Disturbance and 5 year experience, the second consisting of 350 patients diagnosed as having a problem of sleep disorder and   admitted in medical and surgical ward at Buddhachinaraj Hospital in Pitsanuloke Province

The   research instrument was divided into 2 parts : the demographic information and the defining characteristics of Sleep

Pattern Disturbance. The face validity of the latter was reviewed by 12 experts. The instrument was then given to 10 member of the two sampling groups to test wording and given to 20 member of professional clinical nurses and 30 member of the patients to test the reliability of the Alpha of Cronbach Coefficiency (α = 0.95 for nurses and α = 0.96 for the patients)

For an analysis data, the frequency distribution and percentage were applied to find demographic characteristics. The construct validity of defining characteristics of Sleep Pattern Disturbance was analysed by using Coefficient Alpha and Average Interitem Correlation to test homogeneity. The Corrected Item-Total Correlation was used to test quality of each item and Average Median to test essential or critical defining characteristics

The result included the following

1. There were 39 items found in the defining characteristics of Sleep Pattern Disturbance : 1) Difficulty falling in asleep 2) Interrupted sleep 3) Not enough rest or less than desired 4) Earlier rising and difficulty in remaining asleep 5) Hypercapic Ventilation response, Fatique 6) Malaise 7) Tiredness 8) Lethargy 9) Mild fleeting nystagmus 10) Clumsiness of finger movement, Slight hand tremor 11) Ptosis of eyelid 12) Dark circle under eyes 13) Reddened eyes 14) Loss of strength of neck flexion or Sagging or head dropping 15) Cardiac arrhythmias 16) Frequent yawning 17) Restlessness, Changes in posture, Hyperactivity 18) Slurred speech Mumbling speech 19) Rumbling speech 20) Increasing Irritability 21) Loss of impatience to environment 22) Agitation 23) Sensitivity to pain and discomfort 24) Apathy, listlessness, Decreased arousal threshold, Facial expresssion 25) Slow response or Slow reaction 26) Poor judgement 27) Feeling of floating 28) Daytime sleepiness or Napping 29) Disturbed bodily sensation 30) Emotional lability,

Mood disruption 31) Disoreintation to time and place 32) Increased anxiety 33) Depression 34) Delusion 35) Illusion 36) Olfacltory heallucination 37) Tactile hallucination 39) Paranoid 39 loss of memory (r > 0.3, p < 0.001)

2. 16 items concerning the essential or critical defining characteristics of Sleep Pattern Disturbance were found : 1) Difficulty in falling asleep 2) Interrupted sleep 3) Not enough rest or less than desired 4) Earlier rising and Difficulty in remaining asleep 5) Hypercapic ventilation response, Fatique 6) Tiredness 7) Lethargy 8) Restlessness, Changes in posture Hyperactivity 9) Increased irritabity 10) Loss of impatience to environment 11) Agitation 12) Sensitivity to pain and discomfort 13) Apathy, listlessness, Decreased arousal threshold, Facial expression 14) Daytime sleepiness or napping 15) Increased anxiety 16) Depression (r > 0.3, p < 0.001)