

# Neonatal and Pediatric Critical Care Nursing



<b>Programme</b>	Annual International Training Course, Thai International Cooperation Programme
<b>Course Title</b>	Neonatal and Pediatric Critical Care Nursing
<b>Duration</b>	April 30 - May 25, 2007 *
<b>Closing Date for Application</b>	January 31, 2007
<b>Number of Participants</b>	20
<b>Invited Countries</b>	Afghanistan, Bangladesh, Bhutan, Botswana, Burkina Faso, Cote d'Ivoire, Cambodia, China, Ethiopia, Gambia, India, Indonesia, Iran, Jordan, Kenya, Lao PDR, Madagascar, Malaysia, Maldives, Mongolia, Myanmar, Nepal, Oman, Pakistan, Palau, The Philippines, Sri Lanka, Senegal, Timor Leste, Vietnam and Thailand *

\* Subject to change by further notifications

## Objectives

**At the end of the programme, participants are expected to:**

- enhance knowledge and experience relating to neonatal and pediatric critical care nursing;
- gain more clinical skills in caring for critically ill neonates and children especially with invasive devices for monitoring and life support;
- exchange their knowledge and experience and establish their neonatal and pediatric critical care nursing networks in Asian countries

## Qualifications

**Participants for this course should:**

- be nominated by their government;
- be a registered nurse;
- have at least two (2) years of experiences in neonatal and/or pediatric critical care nursing;
- be able to fluently speak, read, and write in English;
- be less than 55 years old; and
- be in good health, both physically and mentally. Pregnancy is regarded as a disqualifying condition for participation in the course.

## Course Content

### **I. THEORY**

- 1) Concept of neonatal and pediatric critical care nursing**
  - Impacts of critically ill on neonates, children and families
  - Essential concepts in neonatal and pediatric critical care nursing
    - a) Holistic care
    - b) Family centered care
    - c) Palliative care
- 2) Roles of nurses in caring for critically ill neonates and children**
- 3) Ethics in nursing care for neonates and children with critical illnesses**
- 4) Advanced necessary technology for critically ill neonates and children**
  - Respirator care for neonates
  - Respirator care for children
  - Basic and advanced cardiopulmonary resuscitation (CPR) for neonates and children
- 5) Nursing care of neonates and children with critical illnesses**
  - 5.1 Neonatal critical care nursing
    - Bronchopulmonary Dysplasia (BPD)
    - Respiratory Distress Syndrome (RDS)



- Persistent Pulmonary Hypertension of the Newborn (PPHN)
- Necrotizing Enterocolitis (NEC)
- Hyperbilirubinemia
- Sepsis

#### 5.2 Pediatric critical care nursing

- Respiratory failure
- Congestive heart failure
- Post operative care
- Acute Renal Failure (ARF)
- Coma (head injury, diabetic ketoacidosis, meningitis, encephalitis)
- Disseminated Intravascular Coagulation (DIC)
- Fluid and Electrolyte Imbalance (burn)
- Poisoning
- Shock
- Drowning

### **II. Practicum**

- Clinical teaching
- Health assessment
- Clinical practices in hospitals
- Nursing care plan for selected critically ill neonates and children

### **III. STUDY VISITS**

- NICU in government and private hospitals
- PICU in government and private hospitals
- Health Science Library

### **IV. DISCUSSION AND EVALUATION**

- Examination
- Discussion
- Practice

**Institution**

#### ***The course will be conducted by:***

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