

# TRAUMA NURSING CORE COURSE

## **PURPOSE**

The magnitude of trauma as a national problem is documented by data that identifies injury as the primary cause of death in people under the age of 45. Realising the impact of trauma in Australia and the positive contribution of professional nurses in the care of trauma patients, the Australian College of Emergency Nursing has acquired the sole distribution rights to the Trauma Nursing Core Course (TNCC) as developed by the Emergency Nurses Association USA.

The provider course conducted over a two day period, offers competency based trauma knowledge and psychomotor skills associated with the delivery of professional nursing care to the trauma patient.

## **OVERALL COURSE OBJECTIVES**

On completion of the course, the learner should be able to:

- Identify the common mechanism of injury associated with trauma
- Describe the pathophysiologic changes as a basis for signs and symptoms
- Based on the assessment data, identify appropriate nursing diagnosis and expected outcomes for the trauma patient
- Describe the appropriate interventions for patients with trauma
- Describe mechanisms for evaluating the effectiveness of nursing interventions for patients with trauma

## **COURSE CONTENT**

**Lecture topics include:**

- Trauma Nursing
- Epidemiology, Biomechanics and Mechanism of I
- Initial Assessment
- Shock
- Trauma to:
  - Brain and craniofacial
  - Thoracic and neck
  - Abdominal
  - Spinal chord and vertebral column
  - Musculoskeletal
- Burn Trauma
- Trauma and pregnancy
- Paediatric trauma
- Geriatric trauma
- Psychosocial aspects
- Stabilisation, Transfer and Transport

## **Psychomotor Skill Station Objectives:**

On completion of this course, the learner should be able to:

- Demonstrate a standardized, systematic and organized approach to assessment, planning, intervention and evaluation
- Perform primary and secondary assessments
- State patient problem based on assessment data
- Describe appropriate interventions for a plan of care
- Identify patients' problem based on assessment data
- Identify priorities for nursing interventions based on assessment data
- Describe appropriate interventional for a plan of care
- Identify patients' potential responses to nursing interventions

Skill stations facilitate application of theory in a risk free setting, which simulates trauma patient situations.

Teaching stations include:

- Trauma Nursing Process – case driven assessment and management
- Airway and ventilation
- Spinal immobilisation
- Chest trauma
- Splinting
- Physical Assessment

## **COURSE PARTICIPANTS**

Participants must be registered nurses with current registration

## **COURSE COMPLETION**

To successfully complete the course, participants must achieve a passing score of 80% on the multi choice exam and a pass in three psychomotor skill stations – Nursing Process, Spinal Immobilisation and Airway and Ventilation.

The Australian College of Emergency Nursing Ltd. will award 22 in-service hours to participants who attend the entire course regardless of their performance during testing.

## **COURSE MATERIALS**

The comprehensive manual provides all the essential course material and should be thoroughly reviewed by the participant before the course utilizing adult education principles. The participants should receive their manuals 8 weeks prior to the course.

# **EMERGENCY NURSING PAEDIATRIC COURSE**

## **PURPOSE**

Trauma is the leading cause of death in children. However, acute illness is also a source of unnecessary paediatric death. While national attention has recently focused on the standardisation of trauma care, less effort has been made to standardise emergency paediatric care. To lessen the morbidity and mortality professional nurses must be knowledgeable of prevention strategies for injury/disease, as well as triage assessment, nursing assessment and the appropriate interventions for children requiring emergency care. The Australian College of Emergency Nursing has acquired the sole distribution rights to the Emergency Nursing Paediatric Course (ENPC) as developed by the Emergency Nurses Association USA.

The provider course conducted over a two day period, offers competency level paediatric knowledge and psychomotor skills associated with the delivery of professional nursing care to the paediatric patient.

## **OVERALL COURSE OBJECTIVES**

- Identify characteristics of paediatric patients seen in the emergency department
- Discuss the components of the paediatric primary assessment
- Correlate life – threatening conditions with the specific component of the primary assessment
- Describe interventions needed to manage life – threatening conditions found during the primary assessment
- Identify the components of a paediatric secondary assessment
- Identify the appropriate nursing diagnosis and expected outcomes based on the assessment findings
- Evaluate the effectiveness of nursing interventions related to patient outcome
- Identify the components of paediatric triage
- Discuss the impact of paediatric injuries and illness on child morbidity and mortality
- State topics for injury prevention teaching based on the child's age

## **COURSE CONTENT**

Lecture topics include:

- Care of the paediatric patient in the emergency setting.
- Epidemiology.
- The paediatric patient.
- Triage and initial assessment.
- Paediatric Trauma.
- Respiratory Emergencies.
- Respiratory failure and shock.
- Child maltreatment.
- Neonatal Emergencies.

- Medical Emergencies.
- Crisis Intervention.
- Environmental and Toxicological Emergencies.
- Ethical and legal considerations.
- Stabilisation and transport.

## **PSYCHMOTOR SKILL STATION OBJECTIVES**

Skill stations facilitate application of theory in a risk free setting, which simulate paediatric patient situations. Teaching stations include:

- Respiratory assessment and interventions.
- Positioning and securing techniques.
- Vascular access and medication administration.
- Paediatric multiple trauma.
- Paediatric resuscitation.
- Triage priorities.

## **COURSE PARTICIPANTS**

Only registered nurses may officially attend ENPC.

## **COURSE COMPLETION**

To successfully complete the course, participants must achieve passing scores on a multi choice exam and three psychomotor skill stations – Paediatric Resuscitation, Multiple Trauma, Triage.

The Australian College of Emergency Nursing will award 20 in-service hours to participants who attend the entire course regardless of their performance during testing.

## **COURSE MATERIALS**

The comprehensive manual provides all the essential course material and should be thoroughly reviewed by the participant before the course utilizing adult education principles. The participants should receive their manual 8 weeks prior to the course.

# **COURSE IN ADVANCED TRAUMA NURSING**

## **PURPOSE**

Nursing knowledge is continually expanding. Biophysiologic, psychological and sociologic concepts contribute to knowledge, discovery and evolution.

Advanced trauma nursing is based on physiologic principles and human responses to injury. The nurse applies the critical decision making process to optimally impact the outcome of critically injured patients.

The purpose of this course is to teach physiologic concepts, which strengthen the critical decision making skills of nurses who care for injured patients. To assure the most comprehensive approach; information is also presented encompassing trauma system development, ethical dilemmas, trauma team collaboration and interpersonal relationships, and the application of science to nursing practice.

The course, developed by an international faculty for the Emergency Nurses Association (USA), is conducted over a two-day period and is taught by an elite-nursing faculty who are specialists in their own areas of conceptual physiology and its application to assessment and management.

## **COURSE CONTENT**

- Collaboration/Relationships.
- Oxygen/Ventilation.
- Pain.
- Mobility/Sensation.
- Transport/Perfusion.
- Tissue integrity.
- Consciousness.
- Critical decision making in Trauma Nursing.
- Ethical decision-making.
- Application of Science to Practice.

## **COURSE PARTICIPANTS**

Only registered nurses may officially attend CATN. Verification of successful course completion will only be awarded to RN participants.

## **COURSE COMPLETION**

To successfully complete the optional verification of the course, participants must achieve passing scores on a case driven oral viva examined by an accredited faculty member.

The Australian College of Emergency Nursing will award 22 in-service hours to participants who attend the entire course regardless of their performance during testing.

## **COURSE MATERIALS**

The comprehensive manual provides all the essential course material and should be thoroughly reviewed by the participants before the course utilizing adult education principles. The participants should receive their manual 10 weeks prior to the course.