Other Diseases and Disorders

Presentation guide

CC = Statement of the competence for a core competence
E = Elements of the competence for a specific statement of competence
P = Performance criteria for competency; associated with a specific element of the competence

Core Competence CC.7

Differentiate between the pathophysiology of other diseases and disorders as it pertains to respiratory therapy

* Note, that for each of the following specific diseases and disorders, knowledge of distinct features may be expected in addition to the particular Performance Criteria for competency.
Those distinct features are:

- Definition
- Etiology
- Epidemiology
- Pathophysiology
- Clinical manifestations
- Laboratory findings
- Management
- Prognosis
- Prevention

E.1 Compare disorders of the central nervous system

P1.1 Describe the following disorders of the central nervous system:

- Central apnea syndromes
- Cerebrovascular accident
- Cerebral arterial-venous malformation
- Intraventricular hemorrhage
- Infections
- Periventricular leukomalacia
- Reye’s syndrome
- Space occupying lesions
- Sudden infant death syndrom (SIDS)
• Thermal instability
• Trauma
• Brain death

P1.2 Explain the above disorders of the central nervous system per distinct features *

E.2 Compare the disorders of the peripheral nervous system

P2.1 Describe the following disorders of the peripheral nervous system:

• Amyotrophic lateral sclerosis (ALS)
• Diaphragmatic paralysis
• Guillain Barre syndrome
• Muscular dystrophy
• Myasthenia gravis
• Multiple Sclerosis
• Post-Polio syndrome
• Spinal muscular atrophy disorders

P2.2 Explain the disorders of the peripheral nervous system per distinct features *

E.3 Compare acute and chronic renal failure

P3.1 Describe acute and chronic renal failure
P3.2 Explain acute and chronic renal failure per distinct features *

E.4 Compare specific metabolic disorders

P4.1 Describe diabetes and nephritis
P4.2 Explain diabetes and nephritis per distinct features *

E.5 Explain how particular conditions impair human physiology

P5.1 Describe the following conditions:

• Gas and/or chemical inhalation
• Electrical and surface burn injuries
• Hyperthermia and hypothermia
• Drowning and near-drowning
• Hypobarism and hyperbarism
• Multiple Organ Dysfunction Syndrome (MODS)
• Obesity
• Hepatitis A & C
• Cancers

P5.2 Explain the above conditions per distinct features *
E.6 Compare systemic infections

P6.1 Influenza (flu)
P6.2 HINI Flu Virus
P6.2 HIV/AIDS
P6.3 Pneumonia (Pneumococcal)
P6.5 Poliomyelitis
P6.6 Tuberculosis (TB)
P6.7 SARS