

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
- Guillian 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 H1N1 Flu Virus
 - P6.2 HIV/AIDS
 - P6.3 Pneumonia (Pneumococcal)
 - P6.5 Poliomyelitis
 - P6.6 Tuberculosis (TB)
 - P6.7 SARS
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