ACBIS Examination Study Outline

Introduction, Overview and Etiology (EBIG chapters 1 and 4)  13%
- Definitions of acquired and traumatic brain injuries (ABI and TBI)
- Characteristics of mild, moderate, and severe brain injuries
- Incidence and prevalence of injury and mortality
- Chronic conditions caused or accelerated by TBI
- Standards for rehabilitation facilities
- Ramifications of Olmstead decision
- The Model Systems of Care
- mTBI definition, incidence, and symptoms
  - Reducing disability from mTBI
- PPCS incidence and treatment plans
- CTE

Neuroanatomy and Neuroplasticity (EBIG chapters 2 and 3)  9%
- Anatomy of the brain and spinal cord
- Characteristics of and relationships between neurons and synapses
- Importance of reticular activating system
- Types of imaging
- Blood-brain barrier
- Effects of neuroplasticity
- Principles of neuroprotection
- Experience-dependent learning

Medical and Physical Issues (EBIG chapters 5, 6, 7, and 9)  12%
- Medical Issues
  - Autonomic storming
  - DVT/PE
  - Bladder issues
  - Aspiration
  - TBI and spinal cord overlap
  - Seizures, complications, and mortality
  - Cranial nerve damage
  - Pain after brain injury
  - Evaluation and treatment of headaches
- Physical issues
  - Spasticity, hyperreflexia, contractures, HO
  - Pressure sores
  - Perceptual deficits
  - Complications related to aging
- Disorders of Consciousness
  - Prevalence and types of DOC
  - Prognosis and medical management of DOC
  - Importance of autonomic nervous system
- Sleep and fatigue disorders
  - Causes, measurement, persistence, and treatment of sleepiness and fatigue
  - Fatigue vs sleep disruptions
  - Psychological fatigue

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Neurocognitive Issues (EBIG chapters 10, 11, and 22) 17%

- Types of injuries and correlating cognitive impairments
- Hierarchical approach to and elements of cognitive rehabilitation (attention, memory, metacognition, etc.)
- Compensatory approach to rehabilitation
- Coma and coma-emergent management
- Behavioral issues
  - Factors influencing behavior and behavior deficits
  - Types of behavioral assessments
  - Principles of applied behavior analysis
- Intermittent schedule of reinforcement
- Positive and negative punishment and reinforcement
- Stability triangle
- Functionally equivalent alternatives
- Operational definition
- Neuropsychology
  - Focus, use, and setting of neuropsych assessments
  - Principles of cognitive rehabilitation
  - Factors affecting duration of psychiatric symptoms

Psychosocial Issues (EBIG chapters 12 and 13) 7%

- Co-occurring brain injury and psychiatric illnesses and crisis events
- Factors in post-injury development of a psychiatric disorder
  - Depression after TBI
  - Organic personality disorder
  - Pseudobulbar affect
- Substance misuse
  - Description of substance use disorder
  - Prevalence of and screening tools for SUD
  - Deficits affecting treatment for SUD
  - TBI and SUD

Rehabilitation Philosophy and Cultural Competency (EBIG chapters 8, 15, 18, and 19) 13%

- Rehabilitation Philosophy
  - Models of disability
  - Tenets of person-centered approaches
  - Effects of improvement in self-awareness
  - Components of therapeutic relationships
  - Iatrogenesis
  - Extenders
  - Assistive Technology for cognition
- Cultural Competency
  - Definitions of culture, sociorace, universalism, and multiculturalism
  - Types of intelligence
  - Racial and ethnic issues
- Gender/Sexuality
  - Differences in injury and outcomes between males and females
  - Primary and secondary causes of sexual dysfunction
  - The concept of benign neglect
• Aging  
  o Diagnosis of dementia

Special Populations (EBIG Chapters 16, 17, and 20)  
  13%

  • Pediatrics and adolescents  
    o Brain maturation periods  
    o Special Ed, IDEA, 504 accommodations plan, IEP, and ITP  
    o Shaken Baby Syndrome/Abusive Head Trauma

  • Families  
    o Family challenges post-injury  
    o Stress for caregivers  
    o Family Systems Theory

  • Military populations  
    o Techniques for working with families (including family centered services)  
    o Unique challenges for military families  
    o Cognitive behavioral therapy  
    o Primary/secondary/tertiary/quaternary blast injuries  
    o Prevalence of PTSD  
    o Factors of return to duty

Care management and legal issues (EBIG Chapters 14 and 21)  
  6%

  • Legal issues  
    o Legal rights of persons with brain injury; Patient Bill of Rights  
    o Power of Attorney and Guardianship  
    o Exploitation, neglect, and abuse  
    o Legal use of restraint

  • Care management  
    o Case management service process  
    o Life care plans  
    o Selecting a service provider

Outcomes (EBIG Chapters 23, 24, and 25)  
  9%

  • Measurements  
    o Definitions of reliability, validity, and widely accepted  
    o Measures early after injury  
    o Measures used in acute rehab  
    o Measures used in post-acute rehab  
    o Measures for rating participation  
    o Required aspects of outcomes tools  
    o Common data elements

  • Return to work  
    o Barriers to RTW and outcome statistics  
    o Outcomes for RTW – differences in gender  
    o Rehab Act of 1973  
    o State VR services and supported employment programs  
    o Vocational case coordinator  
    o Comprehensive integrated day treatment models