



ACBIS Examination Study Outline

July 2017

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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

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
 - Diagnosis of dementia
- Predominant factors of disability

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

13%

- Pediatrics and adolescents
 - Brain maturation periods
 - Special Ed, IDEA, 504 accommodations plan, IEP, and ITP
 - Shaken Baby Syndrome/Abusive Head Trauma
- Families
 - Family challenges post-injury
 - Stress for caregivers
 - Family Systems Theory
- Techniques for working with families (including family centered services)
- Unique challenges for military families
- Cognitive behavioral therapy
- Military populations
 - Primary/secondary/tertiary/quaternary blast injuries
 - Prevalence of PTSD
 - Factors of return to duty

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

6%

- Legal issues
 - Legal rights of persons with brain injury; Patient Bill of Rights
 - Power of Attorney and Guardianship
 - Exploitation, neglect, and abuse
 - Legal use of restraint
- Care management
 - Case management service process
 - Life care plans
 - Selecting a service provider

Outcomes (EBIG Chapters 23, 24, and 25)

9%

- Measurements
 - Definitions of reliability, validity, and widely accepted
 - Measures early after injury
 - Measures used in acute rehab
 - Measures used in post-acute rehab
 - Measures for rating participation
 - Required aspects of outcomes tools
 - Common data elements
- Return to work
 - Barriers to RTW and outcome statistics
 - Outcomes for RTW – differences in gender
 - Rehab Act of 1973
 - State VR services and supported employment programs
 - Vocational case coordinator
 - Comprehensive integrated day treatment models