

Pediatric Rehabilitation Medicine Examination Outline

Class 1: Type of Problem/Organ System

- A. Neurologic disorders 40%
 - 1. Spinal cord disorders
 - a. Neural tube defects
 - b. Traumatic
 - c. Nontraumatic
 - 2. Brain disorders
 - a. Traumatic
 - b. Cerebral palsy
 - c. Anoxic
 - d. Nonaccidental trauma
 - e. Stroke
 - f. Infectious
 - g. Autoimmune
 - h. Dystonias
 - i. Hereditary ataxias
 - j. Leukodystrophy
 - k. Other
 - 3. Neuromuscular disorders
 - a. Neuropathies
 - b. Plexopathies
 - c. Neuromuscular junction disorders
 - d. Muscular dystrophies
 - e. Myotonic disorders
 - f. Myopathies (including inflammatory)
 - g. Motor neuron disease
 - h. Other
- B. Musculoskeletal disorders 15%
 - 1. Bone and soft tissue problems
 - a. Trauma (acute and chronic)
 - b. Acquired skeletal conditions
 - c. Spine disorders
 - d. Congenital skeletal anomalies
 - e. Arthrogyposis
 - f. Other
 - 2. Limb deficiency/amputation
 - a. Upper extremity
 - b. Lower extremity
 - 3. Other
- C. Connective tissue disorders 3%
 - 1. Arthritis
 - 2. Autoimmune
 - 3. Spondyloarthropathy
 - 4. Other
- D. Cancer 5%
 - 1. Central nervous system tumors
 - 2. Musculoskeletal tumors
 - 3. Other
- E. Other disorders 7%
 - 1. Genetic disorders
 - 2. Mitochondrial disorders
 - 3. Burns
 - 4. Complex regional pain syndrome
 - 5. Psychogenic movement disorders
 - 6. Other
- F. Rehabilitation problems and outcomes 20%
 - 1. Neurologic
 - a. Weakness
 - b. Abnormal tone
 - c. Primitive and postural reflexes
 - d. Seizures
 - e. Hydrocephalus
 - f. Syrxinx
 - g. Gait/mobility impairment
 - h. Disorders of consciousness
 - i. Cognitive impairment
 - j. Speech and language disorders
 - k. Coordination or motor planning impairment
 - l. Sensory dysfunction
 - m. Sleep dysfunction
 - n. Other
 - 2. Cardiovascular
 - a. Autonomic dysfunction
 - b. Orthostatic hypotension
 - c. Deep venous thrombosis
 - d. Other
 - 3. Pulmonary
 - a. Restrictive lung disease
 - b. Other
 - 4. GU/GI
 - a. Gastroesophageal reflux
 - b. Neurogenic bladder
 - c. Neurogenic bowel
 - d. Sexuality and reproductive issues
 - e. Other
 - 5. Ear, nose, and throat
 - a. Drooling
 - b. Dysphagia
 - c. Other
 - 6. Endocrine
 - a. Pituitary dysfunction
 - b. Growth
 - c. Other
 - 7. Musculoskeletal and soft tissue
 - a. Contracture/deformity
 - b. Pressure injuries
 - c. Heterotopic ossification
 - d. Osteoporosis
 - e. Scoliosis
 - f. Other
 - 8. Psychiatric/psychological problems
 - a. Mood disorders
 - b. Behavioral disorders
 - c. Other
 - 9. Pain
 - 10. Aging
 - 11. Educational and vocational issues
- G. Basic science (including research and statistics) 5%
- H. Normal development 5%

Class 2: Focus of Question/Patient Management

- A. Patient evaluation and diagnosis 30%
 - 1. Physical exam, signs, and symptoms
 - 2. Diagnosis, etiology, and classification systems
 - 3. Diagnostic procedures
 - a. Lab studies
 - b. Genetic tests
 - c. Medical imaging
 - d. Muscle biopsy
 - e. Electrodiagnosis
 - f. Other
 - 4. Functional evaluations
 - a. Standardized assessment tools and outcome measures
 - b. Neuropsychological testing
 - c. Motion analysis
 - d. Urodynamics
 - e. Pulmonary function/cardiac tests
 - f. Swallow studies
 - g. Other
 - 5. Behavioral/psychological modalities
 - a. Behavior management (inc agitation)
 - b. Psychotherapy/counseling
 - c. Family issues
 - d. Cognitive rehabilitation therapy
 - e. Environmental modification
 - f. Other
 - 6. Community reintegration
 - a. Vocational
 - b. Educational
 - c. Recreation
 - d. Family systems
 - e. Driving
 - f. Other
 - 7. Equipment and assistive technology
 - a. Prostheses
 - b. Orthoses and splinting
 - c. Mobility aids
 - d. Augmentative communication/environmental controls
 - e. Electrical stimulation
 - f. Robotic devices
 - g. Other
- B. Prognosis/risk factors 15%
 - 1. Premorbid
 - 2. Diagnosis-related
 - 3. Treatment-related (inc safety)
- C. Patient management 40%
 - 1. Healthcare maintenance
 - a. Vision/hearing
 - b. Immunization
 - c. Nutrition
 - d. Other
 - 2. Therapeutic interventions
 - a. Motor control
 - b. Mobility and locomotor training
 - c. Range of motion
 - d. Strength and endurance
 - e. Serial casting
 - f. Constraint-induced movement therapy and hand-arm bimanual induced therapy
 - g. Wound care
 - h. Feeding
 - i. Other
 - 3. Medical management
 - a. Fluids electrolytes and Nutrition
 - b. Pharmacology
 - c. Respiratory support
 - d. Other
 - 4. Procedures
 - a. Blocks (inc botulinum toxin, phenol)
 - b. Anesthetic injections
 - c. Conscious sedation
 - d. Surgery
 - e. Intrathecal baclofen therapy
 - f. Other
- D. Applied science 15%
 - 1. Anatomy
 - 2. Physiology
 - 3. Pathology/pathophysiology
 - 4. Kinesiology/biomechanics
 - 5. Epidemiology and public health/prevention
 - 6. Other