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. Arthrogyrosis
      f. Other
   2. Limb deficiency/amputation
      a. Upper extremity
      b. Lower extremity
   3. Other

C. Connective tissue disorders 3%
   1. Arthritis
   2. Autoimmune
   3. Spondyloarthopathy
   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. Syrinx
      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. Uro dynamics
      e. Pulmonary function/cardiac tests
      f. Swallow studies
      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