**Domain 1: Pediatric Sleep Disorders 40%**

Task A:       Insomnias (sleep onset and maintenance difficulties)

* Sleep and Colic
* Bedtime problems and night awaking
  + Limit setting sleep disorder
  + Sleep onset association disorder
  + Nighttime fears
  + Primary Insomnia

Task B: Hypersomnia

* Idiopathic hypersomnia
* Kleine-Levin syndrome
* Post-Traumatic and post-neurosurgical hypersomnia
* Medication related hypersomnia

Task C:        Sleep and breathing disorders

* Apnea of prematurity
* Apparent Life Threatening Events (ALTE)
* Obstructive sleep apnea syndrome
  + Cognitive and behavioral consequences of obstructive sleep apnea
  + Cardiovascular consequences of obstructive sleep apnea
  + Metabolic consequences of obstructive disordered breathing
* Congenital central hypoventilation syndrome
* Rapid-onset obesity with hypothalamic dysfunction, hypoventilation and autonomic dysregulation (ROHHAD)

Task D: Parasomnias

* Disorders of arousal
* Sleep and related enuresis

Task E: Sleep in medical disorders in special populations

* Epilepsy
* Psychiatric disorders
* Separation anxiety
* Prader Willi Syndrome
* Pierre-Robin Syndrome
* Micrognathia
* Treacher-Collins Syndrome
* Down Syndrome
* Attention deficit, hyperactivity and sleep disorders
* Sleep and its disturbances in Autism Spectrum disorder
* Sickle cell disease
* Cystic Fibrosis
* Type II Arnold Chiari Malformation
* Duchenne muscular dystrophy
* Laryngomalacia
* Metabolic syndrome and obesity
* Rett syndrome
* Achondroplasia

Task F: Circadian Rhythm Disorders

* Delayed sleep phase syndrome

**Domain 2: Pediatric Preparation and Study Performance 30%**

Task A:  Patient Info and Clinical Assessment

* Clinician’s orders and testing indications
* History and Physical
* Medications
* Questionnaires

Task B:  Family Education and the Pediatric Patient

* Sleep hygiene
* Importance of therapy
* Sleep disorders

Task C:  Technical Preparation

* Equipment and supplies
* Montages
* Site preparation and application

Task D:  Pediatric Practice Guidelines and Procedures

**Domain 3: Pediatric Scoring 20%**

Task A: Infant Sleep Staging

* Stages of sleep
* Waveform recognition
* Artifact recognition

Task B: Children Sleep Staging

* Stages of sleep
* Waveform recognition
* Artifact recognition

Task C: Children Respiratory Rules

* Hypopnea
* Obstructive apnea
* Central apnea
* Periodic Breathing
* Mixed apnea
* TcCO2/ETCO2 values
  + Abnormal
  + Normal
  + artifact

Task D: Report Generation

* AHI/Calculations (What is normal/abnormal for pediatric sleep)
* Histogram/hypnogram
  + Sum Channel
  + CO2 monitoring
* Tech observations/summary of the night

**Domain 4: Pediatric Treatment Options and Guidelines 10%**

Task A: Pediatric Treatment Options and Guidelines

* CPAP, BiPAP, ASV, O2

Task B: Mask fitting and proper interface fit

* Troubleshooting (ie., leak, seal, pressure release, humidification)
* Mask options

Task C: Indications and contraindications