



**SUBSPECIALTY CERTIFICATION EXAMINATION
IN NEURODEVELOPMENTAL DISABILITIES**

**2013 Content Blueprint
(November 7, 2012)**

Number of questions: 200	
I. Normal development	4–6%
II. Neurogenetics	8–12%
III. Cognitive disorders (mental retardation)	13–17%
IV. Cognitive disorders (learning disabilities)	8–12%
V. Communication disorders, e.g., autistic disorder, developmental language disorders	13–17%
VI. Neurobehavioral disorders, e.g., ADHD, obsessive-compulsive disorder, oppositional defiant disorder, childhood disintegrative disorder, Tourette disorder	8–12%
VII. Motor disabilities, e.g., static and progressive encephalopathies, cerebral palsy, neuromuscular disorders, minor neuromotor dysfunction	8–12%
VIII. Visual and auditory impairments	4–6%
IX. Neurodevelopmental disorders associated with major medical conditions, e.g., spina bifida, severely and profoundly disabled, low-birth-weight infants, multiple congenital anomalies	6–9%
X. Rehabilitation, e.g., traumatic brain and spinal cord injuries, near-drowning	4–6%
XI. Counseling, advocacy, and ethics, including research ethics	6–9%
TOTAL	100%

Note: A more detailed content outline is shown below.



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IN NEURODEVELOPMENTAL DISABILITIES**

2013 Content Outline

Content areas
I. Normal development
A. Cognitive
B. Motor
C. Behavior
D. Language/communication
E. Developmental theory
F. Psychometrics
II. Neurogenetics
A. Chromosomal disorders
B. Genetic disorders
C. Metabolic/degenerative abnormalities
D. Dysmorphology
E. Genetic counseling
F. Treatment
G. Prevention
III. Cognitive disorders (mental retardation)
A. Diagnostic criteria, including diagnostic testing
B. Etiology/epidemiology
C. Natural history
D. Correlation with functional status, associated deficits
E. Treatment
1. Pharmacotherapy
2. Medical/surgical therapy
3. Habilitation, including PT/OT, speech therapy, education, behavioral therapy
F. Prevention
IV. Cognitive disorders (learning disabilities)
A. Diagnostic criteria, including diagnostic testing



B. Etiology/epidemiology
C. Natural history
D. Correlation with functional status, associated deficits
E. Treatment
1. Pharmacotherapy
2. Medical/surgical therapy
3. Habilitation, including PT/OT, speech therapy, education, behavioral therapy
F. Prevention
V. Communication disorders, e.g., autistic disorder, developmental language disorders
A. Diagnostic criteria, including diagnostic testing
B. Etiology/epidemiology
C. Natural history
D. Correlation with functional status, associated deficits
E. Treatment
1. Pharmacotherapy
2. Medical/surgical therapy
3. Habilitation, including PT/OT, speech therapy, education, behavioral therapy
F. Prevention
VI. Neurobehavioral disorders, e.g., ADHD, obsessive-compulsive disorder, oppositional defiant disorder, childhood disintegrative disorder, Tourette disorder
A. Diagnostic criteria, including diagnostic testing
B. Etiology/epidemiology
C. Natural history
D. Correlation with functional status, associated deficits
E. Treatment
1. Pharmacotherapy
2. Medical/surgical therapy
3. Habilitation, including PT/OT, speech therapy, education, behavioral therapy
F. Prevention
VII. Motor disabilities, e.g., static and progressive encephalopathies, cerebral



palsy, neuromuscular disorders, minor neuromotor dysfunction
A. Diagnostic criteria, including diagnostic testing
B. Etiology/epidemiology
C. Natural history
D. Correlation with functional status, associated deficits
E. Treatment
1. Pharmacotherapy
2. Medical/surgical therapy
3. Habilitation, including PT/OT, speech therapy, education, behavioral therapy
F. Prevention
VIII. Visual and auditory impairments
A. Diagnostic criteria, including diagnostic testing
B. Etiology/epidemiology
C. Natural history
D. Correlation with functional status, associated deficits
E. Treatment
1. Pharmacotherapy
2. Medical/surgical therapy
3. Habilitation, including PT/OT, speech therapy, education, behavioral therapy
F. Prevention
IX. Neurodevelopmental disorders associated with major medical conditions, e.g., spina bifida, severely and profoundly disabled, low-birth-weight infants, multiple congenital anomalies
A. Diagnostic criteria, including diagnostic testing
B. Etiology/epidemiology
C. Natural history
D. Correlation with functional status, associated deficits
E. Treatment
1. Pharmacotherapy
2. Medical/surgical therapy
3. Habilitation, including PT/OT, speech therapy, education, behavioral therapy
F. Prevention



X. Rehabilitation, e.g., traumatic brain and spinal cord injuries, near-drowning
A. Diagnostic criteria, including diagnostic testing
B. Etiology/epidemiology
C. Natural history
D. Correlation with functional status, associated deficits
E. Treatment
1. Pharmacotherapy
2. Medical/surgical therapy
3. Habilitation, including PT/OT, speech therapy, education, behavioral therapy
F. Prevention
XI. Counseling, advocacy, and ethics, including research ethics
A. Persistent vegetative states/brain death
B. Legislative issues, e.g., ADA
C. Community resources
D. Family-centered approaches to NDD patients