

Changes in the Pediatric CCRN Test Plan from 2004 to 2009

Note: only changes from one test plan to another are indicated below. If a patient problem was on the 2004 test plan and is also on the 2009 test plan it is not on this list (even if examples listed on test plan have changed).

2004

2009

I. Clinical Judgment

Cardiovascular (19%)

14%

Acute heart failure / Pulmonary edema	Acute pulmonary edema
Acute inflammatory diseases (myocarditis, endocarditis, pericarditis)	Structural heart defects (acquired and congenital, including valvular diseases)
Cardiac surgery (valve replacement, CABG)	Cardiac surgery (Norwood, BT shunt, TOF repair, atrial switch)
Cardiac trauma (blunt and penetrating)	Under multisystem trauma
Conductive defects, blocks, pacemakers	Myocardial conduction system defects
Congenital heart defect / diseases	Structural heart defects (acquired and congenital, including valvular diseases)
Hypertensive crisis	Not on test plan
Hypovolemic shock and volume deficit	Hypovolemic shock
Pulmonary hypertension	Under pulmonary section, pulmonary hypertension
VSD, ASD	Structural heart defects (acquired and congenital, including valvular diseases)
Hemodynamics (only hemodynamics without diagnosis)	Moved to specific patient problem
Shock states (cardiogenic, hypovolemic)	Cardiogenic shock Hypovolemic shock
Cardiovascular drugs	Moved to specific patient problem
	Interventional cardiology (catheterization) – New

Changes in the Pediatric CCRN Test Plan from 2004 to 2009 (continued)

2004	2009
Pulmonary (22%)	18%
	Acute pulmonary embolism - New
ARDS Respiratory distress syndrome (RDS)	Acute lung injury (ARDS, RDS)
Apnea of prematurity	Not on test plan
Status asthmaticus, exacerbation of COPD, emphysema, bronchitis	Two sections: Asthma, Chronic bronchitis - New Status asthmaticus
Bronchopulmonary disease	Bronchopulmonary dysplasia
Chronic lung disease	Not on test plan
Congenital anomalies	To include diaphragmatic hernia, tracheoesophageal fistula, choanal atresia, pulmonary hypoplasia, tracheal malacia, tracheal stenosis
Pulmonary hypertension in newborn	Pulmonary hypertension
Pulmonary trauma Thoracic trauma	Thoracic trauma (e.g., fractured ribs, lung contusions, tracheal perforation)
Ventilator management and ABG interpretation, mixed venous gases, CPAP, Volutrauma and Barotrauma	Moved to specific patient problem
Respiratory drugs	Moved to specific patient problem
Endocrine (5%)	5%
Hormones and anatomy and physiology	Not on test plan

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2004	2009
Hematology (6%)	3%
Hyperbilirubinemia	Not on test plan
Immunosuppression (acquired HIV, AIDS, Neoplasms)	Not on test plan
Life threatening coagulopathies (e.g., ITP, DIC, hemophilia, HITTS, Repto-induced) and non life threatening coagulopathies	Coagulopathies (e.g., ITP, DIC, Heparin induced thrombocytopenia)
Organ transplantation (e.g., liver, bone marrow, kidney, heart, pancreas, lung)	Not on test plan
Sickle cell crisis	Not on test plan
Hematology, A & P, and blood products and plasma	Moved to specific patient problem
	Oncologic complications (e.g., pheochromocytoma) – New
Neurology (10%)	14%
Intracranial hemorrhage / intraventricular hemorrhage (e.g., subarachnoid, epidural, subdural) Non-trauma, locked-in syndrome	Deleted non-trauma, locked in syndrome
ICP monitoring – Increased ICP, herniation, Cushing’s triad, CPP	Moved to specific patient problem
	Brain death (irreversible cessation of whole brain function) – New
	Stroke (ischemic, hemorrhagic) – New

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2004	2009
Gastrointestinal (5%)	6%
Gastroesophageal reflux, Peptic ulcer	Deleted peptic ulcer
GI abnormalities at birth	GI abnormalities - includes omphalocele, gastrochisis, volvulus, Hirshprung's disease, malrotation, intussusception
	Malnutrition and malabsorption – New
Renal (4%)	6%
Congenital renal-genitourinary abnormalities (e.g., polycystic kidneys, exstrophy of bladder, hydronephrosis)	Not on test plan
Renal trauma	Not on test plan
Fluid volume and anatomy and physiology	Not on test plan
Multisystem (9%)	11%
Burns	Not on test plan
Septic shock / infectious diseases (e.g. congenital viral, bacterial, line sepsis, nosocomial infections, immunosuppression)	Distributive shock (e.g., anaphylaxis) Sepsis / septic shock
Systemic inflammatory response syndrome (SIRS) / sepsis / MODS	Separated into three sections: - Systemic inflammatory response syndrome (SIRS) - Sepsis / septic shock - Multi-organ dysfunction syndrome (MODS)
	Near-drowning - New
	Behavioral /Psychosocial 3%
	Abuse / neglect - New
	Developmental delays - New
	Failure to thrive – New
II. Professional Caring and Ethical Practice (20%)	20%
Advocacy (2%)	3%
Facilitation of Learning (4%)	3%