

Pediatric Learning Solutions



Introducing our *new* Emergency Department Suite

This suite of Pediatric Learning Solutions (PLS) online courseware and curriculums provides 24/7 access to the foundational knowledge and just-in-time job aids clinicians working in the ED need to understand and care for their pediatric patients and families. Standardized, self-paced learning resources allow educators to focus on application to assist new hires in gaining required knowledge and skills more quickly, improving time to productivity. In addition, educators can add organization-specific information and policies to online topics, creating a personalized solution.

Benefits

- ✓ Provide a standardized pediatric-specific orientation program customized to the needs of ED new hires, including those working in an adult hospital who treat children in the ED.
- ✓ Meet ongoing professional development needs of ED staff members with just-in-time learning and performance support.
- ✓ Most courses have associated CNE.
- ✓ Many courses have associated CRCE.

Facts

- ✓ Includes 123 online courses organized into *Introductory*, *Intermediate* and *Advanced* curriculums.
- ✓ ED Advisory Committee (12 members, representing 10 children's hospitals) chose courses that align with required competencies for Emergency Department clinicians.
- ✓ Suite pulls from existing PLS libraries:
 - Pediatric Acute Care Orientation
 - Pediatric Critical Care Orientation
 - Neonatal Critical Care Orientation
 - Accreditation & Regulatory

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Pediatric Learning Solutions

Emergency Department – Introductory Courses

Orientation weeks 1 - 6 / First 4 to 6 weeks

Patient Care

- Age-Specific Care for Adolescents
- Age-Specific Care for Adults
- Age-Specific Care for Infants
- Age-Specific Care for Newborns
- Age-Specific Care for Preschoolers
- Age-Specific Care for School-Age Children
- Age-Specific Care for Toddlers
- Pediatric Assessment: The Cardiovascular System
- Pediatric Assessment: The Gastrointestinal System
- Pediatric Assessment: The Genitourinary System
- Pediatric Assessment: The Musculoskeletal System
- Pediatric Assessment: The Neurological System
- Pediatric Assessment: The Respiratory System
- Pediatric Assessment: The Integumentary System
- Pediatric Assessment: Performing a Head-to-Toe Assessment
- Assessment of the Critically Ill Child
- Comprehensive Assessment of the Neonate
- Pediatric Restraint and Seclusion
- Health Care Advance Directives: Communicating Wishes
- Introduction to Pediatric Pressure Ulcers
- Pressure Ulcers in the Pediatric Population: Staging and Care
- Pressure Ulcer Staging Assessment
- Thermoregulation of the Newborn
- EMTALA
- HIPAA Overview
- Clinical Delegation
- Radiation Safety
- Emergency Operations Management

Fluids and Electrolytes

- Fluids and Electrolytes: Physiological Differences
- Fluids and Electrolytes: Laboratory Assessment
- Fluids and Electrolytes: Physical Assessment
- Fluids and Electrolytes Imbalance: Dehydration

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Medication and Blood Administration

- Basic Medication Calculation
- Advanced Medication Calculation
- High-Alert Medications
- Medication Error Reduction
- Blood Administration: Administration of Blood and Blood Components
- Blood Administration: Blood Components
- Blood Administration: Transfusion Reaction

Vascular Access

- Pediatric Peripheral IV Care & Management
- Management of Peripheral IV Complications in the Pediatric Patient
- Preventing Central Line-Associated Bloodstream Infections

Pain Management and Sedation

- Pain Management: Pain Pathophysiology
- Pain Management: Assessment of Pain
- Pain Management: Non-Pharmacological Therapies in the Management of Pediatric Pain
- Pain Management: Pharmacological Management of Pediatric Pain
- Pain Management: Pain Technologies – PCA & Epidural Analgesia (*Optional*)
- Procedural Sedation in the Pediatric Patient
- Neonatal Pain Assessment and Management

Family-Centered Care

- Child Abuse and Neglect
- Domestic Violence
- Family-Centered Care in the ICU (*Optional*)
- Introduction to Ethics (*Optional*)
- Therapeutic Relationships and Professional Behavior (*Coming 2017*)

Cardiovascular Care

- Arrhythmia Recognition & Care Management Series
 - Arrhythmia Recognition: Structure and Function of the Heart
 - Arrhythmia Recognition: Electrophysiology
 - Arrhythmia Recognition: The Cardiac Monitor
 - Arrhythmia Recognition: Lines, Waves and Segments
 - Arrhythmia Recognition: Analyzing the ECG Rhythm Strip
 - Arrhythmia Recognition: Sinus

Respiratory Care

- Status Asthmaticus (*Coming in 2017*)

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Infectious Diseases and Management

- Management of MDROs in the Health Care Setting (*Clinical*)

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Emergency Department – Intermediate Courses

Orientation weeks 5 - 12 / Second 4 to 6 weeks

Patient Care

Neonatal Pharmacokinetics

Cardiovascular Care

- Arrhythmia Recognition & Care Management Series
 - Arrhythmia Recognition: Atrial
 - Arrhythmia Recognition: Junctional
 - Arrhythmia Recognition: Ventricular
 - Arrhythmia Recognition: Atrioventricular Blocks
 - Arrhythmia Recognition: Channelopathies
 - Permanent Pacemakers and ICDs
- Neonatal Sepsis
- Pediatric Sepsis
- Caring for the Pediatric Patient in Shock

Respiratory Care

- Basic Principles of Oxygen Therapy, Specialty Gases and Noninvasive Ventilation
- Caring for a Child with a Tracheostomy
- Respiratory Inhalation Medications
- Lower Airway Diseases
- Case Studies in Respiratory Illness
- Cystic Fibrosis
- Apnea of Prematurity

Endocrinology

- Diabetes Mellitus
- Diabetes Ketoacidosis
- Hyperbilirubinemia (*Optional*)
- Metabolic Disorders of the Newborn

Gastroenterology

- Necrotizing Enterocolitis (*Optional*)

Hematology

- Hemophilia: An Overview
- Sickle Cell Crisis
- Oncologic Emergencies

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Neurology

- Hydrocephalus
- Meningitis and Encephalitis
- Neonatal Seizures
- Status Epilepticus

Renal Care/Nephrology

- Renal Failure in the Pediatric Patient

Toxicology Exposure

- Pediatric Toxicology Exposure

End-of-Life Care

- Care of the Dying Child: Grief
- Care of the Dying Child: Dying Process

Behavioral

- Caring for the Behaviorally Challenged Patient
- Care of the Pediatric Patient with Suicidal Ideation (*Coming 2017*)

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Emergency Department – Advanced Courses

Orientation weeks 9 - 18 / Last 4 to 6 weeks

Patient Care

- Organ and Tissue Donation: The Gift of Life

Cardiovascular Care

- Acquired Heart Disease
- Congestive Heart Failure
- Congenital Heart Disease: An Overview
- Congenital Heart Disease: Acyanotic Defects
- Congenital Heart Disease: Cyanotic Defects
- Vasoactive Medications
- Hemodynamic Monitoring (*Optional*)

Respiratory Care

- Intro to Arterial Blood Gas Interpretation
- Understanding Abnormal Blood Gases
- Acute Respiratory Distress Syndrome
- Advanced Concepts in Respiratory Physiology (*Optional*)
- Mechanical Ventilation: Introduction to Pediatric Practices (*Optional*)
- Preventing Ventilator-Associated Pneumonia (*Optional*)
- Meconium Aspiration (*Optional*)
- Neonatal Respiratory Distress Syndrome
- Nursing Management of Chest Tubes
- Management of the Difficult Airway

Endocrinology

- Diabetes Insipidus & SIADH

Hematology

- Disseminated Intravascular Coagulation
- Hyperbilirubinemia (*Optional*)
- Thrombocytopenia: ITP and HIT/T (*Coming in 2017*)

Neurology

- Hypoxic Ischemic Encephalopathy (*Optional*)
- Intracranial Pressure Monitoring (*Optional*)

Trauma

- Pediatric Orthopedic Trauma

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- Pediatric Spinal Column/Cord Injuries
- Pediatric Thoracic Trauma
- Pediatric Traumatic Brain Injury
- Pediatric Abdominal Trauma
- Pediatric Burns
- The Deadly Triad of Trauma

Medication and Blood Administration

- Blood Administration: Exchange Transfusion (*Optional*)
- Chemotherapy General Principles and Safety

Infectious Diseases and Management

- Anthrax: What Clinicians Need to Know (*Optional*)
- Tuberculosis