

گروه آموزشی طب اورژانس

دانشگاه علوم پزشکی تبریز

حداقل های آموزشی دستیاران طب اورژانس در دوره کلاترال کودکان (PEM)

1: Must Know

2: Better to Know

3: Excellent to Know

1. Demonstrate correct airway management including pediatric endotracheal intubation. (1)
2. Demonstrate ability to obtain and utilize intravenous access including venipuncture, intraosseous needle placement, and administration of appropriate dose of emergency medications. (1)
3. Demonstrate knowledge of the significance of fever in children of various ages, and the ability to perform an "optimal resuscitation" including Yale Observation Score of the febrile child. (1)
4. Demonstrate knowledge of common infectious diseases of childhood, including appropriate work-up and treatment of meningitis, sepsis, pneumonia, urinary tract infection, and bacteremia. (1)
5. Demonstrate ability to properly perform a pediatric lumbar puncture. (1)
6. Demonstrate knowledge of the pathophysiology and manifestations of common and/or serious diseases of the gastrointestinal tract and abdominal cavity of children, including gastroenteritis, intussusception, volvulus, Meckel's, anaphylactoid purpura, and appendicitis. (1)
7. Discuss the differential and preliminary work-up of abdominal masses found in the pediatric patient. (3)
8. State the appropriate management of children with seizures, both febrile and afebrile. (3)
9. Demonstrate familiarity with the diagnosis and management of Reye's syndrome. (3)
10. Demonstrate knowledge of hydrocephalus, its differential, treatment and the management of neurologic shunt problems. (2)
11. Calculate fluid and electrolyte requirements of a dehydrated child. (2)
12. Discuss the diagnostic work-up and disposition when child abuse and/or neglect is suspected. (1)
13. Demonstrate ability to perform a history and physical exam of an alleged victim of sexual abuse. (1)
14. Demonstrate ability to direct a pediatric trauma resuscitation. (1)
15. Demonstrate knowledge of the significance and correct treatment of various patterns of burns in pediatric patients. (1)

آدرس: تبریز، خیابان گلگشت، بیمارستان امام رضا (ع)، گروه آموزشی طب اورژانس، تلفاکس: ۰۰۹۸۴۱۱۳۳۵۲۰۷۸

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16. Interpret a series of pediatric EKG's, showing awareness of the normal physiologic differences from adult EKG's. (2)
17. Discuss the common pediatric dysrhythmias, their diagnosis and treatment. (1)
18. Discuss the types of congenital cyanotic and noncyanotic heart disease, their complications and treatment. (2)
19. Demonstrate ability to read pediatric chest x-rays. (1)
20. Demonstrate ability to identify a patient who needs prophylaxis for rheumatic fever or subacute bacterial endocarditis. (2)
21. Discuss the differential diagnosis of chest pain in children and adolescents, noting differences from adults, and demonstrating knowledge of proper work-up and treatment. (2)
22. Discuss the differential of congestive failure in the pediatric patient and demonstrate knowledge of appropriate treatment. (2)
23. Discuss the anatomy and physiology of the respiratory tract in children. (2)
24. Demonstrate correct performance of peak expiratory flow measurement, pulse oxymetry and end-tidal CO₂. (1)
25. Demonstrate management of patients with upper airway infection suspected of having epiglottitis. (1)
26. Correctly interpret soft tissue lateral neck x-rays in children. (1)
27. Discuss the etiologies and demonstrate correct management of children with lower and upper airway diseases including asthma, bronchiolitis, cystic fibrosis, pneumonia. (1)
28. Demonstrate correct management of foreign bodies of the upper airway and ability to diagnose and arrange disposition for patients with lower airway foreign bodies. (1)
29. Demonstrate correct management of the pediatric patient with diabetes and/or diabetic ketoacidosis. (1)
30. Demonstrate knowledge of the etiologies of anemia in children and the appropriate diagnostic evaluation. (3)
31. Demonstrate knowledge of the differential diagnosis and work-up of the jaundiced child. (2)
32. Discuss the differential diagnosis and work-up of the child with evidence of a bleeding disorder. (2)
33. Demonstrate correct evaluation and treatment of a child with dysuria or a suspected urinary tract infection. (1)
34. Demonstrate knowledge of the evaluation and treatment for phimosis, paraphimosis, balanitis. (2)
34. Demonstrate knowledge of the evaluation and treatment of testicular disorders including torsion and epididymis (sp). (1)
36. Discuss the differential and required workup for a pediatric patient with a limp. (1)
37. Demonstrate x-ray interpretation and perform proper splinting for a variety of pediatric fractures, distal radius and ulna, and distal tibia and fibula. (1)
38. Demonstrate ability to perform and interpret the results of an arthrocentesis. (2)

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39. Discuss the findings and disposition of a patient with a suspected autoimmune syndrome such as juvenile arthritis, lupus, or dermatomyositis. (3)
40. Demonstrate ability to perform reduction of a dislocated joint. (1)
41. Discuss the etiology and treatment of acute soft tissue infections and perform an incision and drainage. (1)
42. Correctly diagnose common pediatric exanthemas including varicella, measles, monilia, roseola, rubella, pityriasis, scabies, and erythema infectiosum. (2)
43. Demonstrate knowledge of the differential diagnosis and evaluation of children with petechiae. (1)
44. Demonstrate ability to correctly perform and interpret the exam of the ears, nose and throat. (1)
45. Demonstrate knowledge of pediatric facial and orbital infections and their treatment. (1)
46. Discuss the causes of neonatal shock and demonstrate the ability to perform and infant resuscitation, including endotracheal intubation and insertion of an umbilical venous catheter. (1)
47. Demonstrate proper performance of a suprapubic bladder aspiration. (2)
48. Discuss the findings and differential of sudden infant death syndrome, and demonstrate knowledge of the proper legal steps and ability to support the family. (1)
49. Discuss the differential diagnosis and acute treatment of the weak infant and child, including polio, botulism and the Landry-Guillain-Barre syndrome. (3)
50. Demonstrate knowledge of the evaluation and treatment of children with diarrheal illness. (1)
51. Demonstrate knowledge of the common poisonings of childhood and their treatments. (1)
52. Manage the care of a child with immersion/drowning. (1)
53. Manage the care of a child with a foreign body ingestion, discussing the complications, diagnostic steps and treatment. (2)
54. State the differential diagnosis of a child with upper or lower GI bleeding, and discuss the evaluation and treatment. (2)
55. Discuss the differential diagnosis and work-up of renal failure or anuria in children. (2)
56. Demonstrate ability to evaluate children with syncope and discuss its differential diagnosis. (2)
57. Discuss the signs, symptoms, treatment and complications of Kawasaki disease. (2)
58. Discuss the risk factors associated with teenage suicide. (1)
59. Discuss the differential of abnormal vaginal bleeding in childhood and demonstrate ability to perform a complete genital exam on children of various ages. (2)
61. Demonstrate ability to evaluate and treat a child with altered mental status and interpret a pediatric cranial CT scan. (1)
62. Discuss the technique for reducing an incarcerated inguinal hernia. (2)
63. Discuss the common pediatric malignant tumors. (3)

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64. Differentiate between the presentation, diagnostic test results and treatment of transient synovitis and septic joint. (2)

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