

✓ A mother is worried that her elder daughter contracted measles despite being vaccinated 5 yrs ago. For her present infant you reassure her that: 1/1

- a) Measles, after vaccination would be mild, if it appears at all.
- b) A 2nd dose of measles vaccine has been added in EPI to improve protection. ✓
- c) Vit. A supplementation will prevent measles.
- d) Measles treatment is now much improved.
- e) Better quality measles vaccine is now available

✓ A 4 years old child comes with history of progressive pallor for the last one week. Physical examination reveals pallor, yellow discoloration of sclera and enlarged spleen. Child also had same illness 9 months back which lasted for 2 weeks. According to his father child was taking some medicine for fever one day before this illness. Which one of the following is most likely possibility

- a) Malaria
- b) Hereditary spherocytosis
- c) G6PD deficiency ✓
- d) Thalassemia major
- e) Hypersensitivity reaction

✗ Among which of the following statement is not true regarding bronchiolitis 0/1

- a. Older family members are a common source of infection
- b. Acute bronchiolitis is characterized by bronchiolar obstruction with edema and mucus.
- c. The mainstay of treatment is supportive
- d. Haemophilus influenzae type b is the most commonly identified etiology ✗
- e. Radiological sign suggestive of bronchiolitis on chest x-ray is hyperinflation

Correct answer

- b. Acute bronchiolitis is characterized by bronchiolar obstruction with edema and mucus.

✓ A 6 years old boy presented in emergency room with H/O fever, convulsions and unconsciousness of one day duration. On examination he is pale, spleen is palpable 2cm below left costal margin, Glasgow coma scale is 3 and there are no signs of meningeal irritation and no focal neurological deficit. The most likely diagnosis is?

- a. Viral encephalitis
- b. Pyomeningitis
- c. Tuberculous meningitis
- d. Cerebral malaria ✓
- e. Tetanus

✓ A couple has brought their 9 months old baby for routine immunization. The vaccine due at this age is 1/1

- a) MMR
- b) Pneumococcal
- c) Hepatitis B
- d) Measles ✓
- e) Pentavalent (DTP, Hep. B, HiB)

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✓ A baby is born to a mother who is 1/1 a patient of Hepatitis B. The parents are concerned about the baby getting the disease. What preventive measures are likely to be helpful? (which statement is true)

- a. Vaccinate the baby at birth ✓
- b. Hepatitis B Immunoglobulins at birth
- c. Preventive measures effective even after 4 days of life
- d. Vaccinate the mother just before delivery
- e. Start Lamivudine in baby

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✓ A known asthmatic 9 year old girl 1/1 comes to emergency with an acute attack of asthma. She is breathless at rest and only able to speak in words. On clinical examination she has tachypnea and tachycardia with inspiratory and expiratory wheeze and use of accessory muscles of respiration. On further evaluation she has peak expiratory flow of < 40%. What type of acute asthmatic attack she has?

- a. Acute mild attack of asthma
- b. Acute moderate attack of asthma
- c. Acute severe attack of asthma ✓
- d. Imminent respiratory arrest

✓ DIAGNOSTIC test for Hepatitis A 1/1 Virus infection is?

- a. Detection of IgM Antibodies in serum ✓
- b. SGPT/ALT
- c. Stool examination
- d. Urinalysis
- e. Gamma glutamyl transferase

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X You received a 7 years old child in emergency with difficulty in breathing since morning. On further inquiry you came to know that patient is known asthmatic for 2 years now he has acute severe attack of asthma. Regarding management of child which one of the following is not a quick reliever medicine?

- a) Inhaled short-acting β -agonists
- b) Systemic corticosteroids
- c) Anticholinergic drugs (Ipratropium)
- d) Injectable sympathomimetic (epinephrine)
- e) LABA (long acting β -agonists) X

Correct answer

- b) Systemic corticosteroids

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✓ The vaccine use in EPI program against tetanus is? 1/1

- a) Killed
- b) Inactivated
- c) Toxoid ✓
- d) Live attenuated
- e) Polysaccharide

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✓ A 3 years old child came in emergency department with respiratory difficulty for 1 day. On clinical examination child has hoarse voice, barking cough and loud stridor. Your diagnosis is croup. Which one of the following radiological sign is suggestive of croup? 1/1

- a. Stippled sign ✓
- b. Thumb sign
- c. Air bronchogram
- d. Sail sign
- e. Hyperinflation

✓ A 3 years old boy brought to emergency with respiratory difficulty since morning. He was alright 2 days before when he started to have low grade fever, flue and cough followed by difficulty in breathing. On clinical examination patient is irritable with change in voice, barking cough and a loud stridor. The most likely diagnosis is 1/1

- a) bronchiolitis
- b) childhood asthma
- c) viral croup ✓
- d) hype reactive airway disease
- e) epiglottitis

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X A 2 years old child is brought to 0/1
pediatric health clinic with history
of cough and fever for 4 days and
not taking feed for the last
12 hours. On examination child is
irritable, conscious and
respiratory rate is 60/minute.
There are intercostal and
subcostal recessions associated
with nasal flaring. The child will be
classified as suffering from? *

- b) No pneumonia X
- a) Pneumonia
- c) Severe pneumonia
- d) Very severe disease
- e) Respiratory failure

Correct answer

- c) Severe pneumonia

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✓ A 4 years old unvaccinated child 1/1
presents in emergency room with
complaints of unable to open the
mouth for 2 days and recurrent
tonic contractions of body for
1 day. On clinical examination
there is lock jaw, trismus and
recurrent tonic contractions of
whole body with arching which
are provoked by touch and loud
sound. The most likely possibility
is

- a) Tetanus ✓
- b) Hypoglycaemia
- c) Hypocalcaemia
- d) Electrolyte imbalance
- e) Meningitis

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✓ More than 50% of cases of 1/1
bronchiolitis are caused by?

- a. Respiratory syncytial virus ✓
- b. Adeno virus
- c. Metapneumovirus
- d. Mycoplasma
- e. Parainfluenza virus

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✓ A 3 year old girl presents in 1/1
outdoor with high grade fever for
one week associated with cough,
coryza and conjunctivitis. Now
for the last 2 days she has
develop an erythematous,
confluent and non-itchy rash all
over the body which started from
the face. Which one of the
following is most likely
possibilities?

- a) Allergic rash
- b) Scarlet fever
- c) Chicken pox
- d) Rubella
- e) Measles ✓

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✓ Among which of the following is the most common cause of acute inflammatory upper airway obstruction with clinical manifestation in the form of hoarseness, barking cough and stidor. 1/1

- a. Acute pharyngitis
- b. Vocal cord paralysis
- c. Laryngomalacia
- d. Croup
- e. Acute Epiglottitis

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✓ A 3 years old girl comes to outdoor with low grade fever for 3 days and development of discrete vesicular rash all over the body for 3 days. On clinical examination some lesions are new vesicular and some are old with scab formation. The most likely diagnosis is 1/1

- a) Measles
- b) Scarlet fever
- c) Steven Johnson syndrome
- d) Chicken pox
- e) Rubella

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✓ A 7 months old child presents with cough and respiratory difficulty for 2 weeks. Illness started with cough 2 weeks back which is severe and comes in the form of bouts followed by post tussive vomiting. Child was otherwise well in between the bouts of cough with no fever or reluctant to feed. Now for the last 5 days there is breathing difficulty with poor feeding and increased severity of cough. Patient is unvaccinated also. Which one of the following is the most likely possibility? 1/1

- a) Bronchiolitis
- b) Croup
- c) Pertussis with secondary pneumonia
- d) Allergic rhinitis
- e) Asthma

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✓ Among which of the following is not true regarding exudative pleural effusion 1/1

- a. Polymorphonuclear leukocytes (neutrophils)
- b. Lactate dehydrogenase > 1000 U/L
- c. Ph is < 7.10
- d. Protein is < 3g
- e. Glucose is low < 40mg/dl

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X A 10years old boy is on your regular follow-up with diagnosis of Moderate persistent asthma. He is going well with his long term management. How much duration is required to step down his long term management? 0/1

- a. At least 3 months
- b. At least 6 months
- c. At least 12months
- d. At least 9 months
- e. At least 10months

Correct answer

- a. At least 3 months

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X Regarding Prevention of Hepatitis A infection, which statement is true? 0/1

- a. Vaccination is recommended for all children more than one year of age.
- b. Vaccine is indicated only after exposure
- c. Immunoglobulins are not indicated in immunocompromised children after exposure
- d. Vaccine is recommended at 6 months of age
- e. Just hand washing is sufficient to prevent spread

Correct answer

- a. Vaccination is recommended for all children more than one year of age.

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X A 4 yrs old child diagnosed case of pneumonia suddenly deteriorated with worsening of respiratory distress. Right side of chest is bulging with hyper resonant percussion note over the area with diminished breath sounds. What is your immediate suspicion regarding complication of pneumonia? 0/1

- a. Massive pleural effusion
- b. Empyema
- c. Tension Pneumothorax
- d. Lung abscess
- e. Collapse of right side of lung

Correct answer

- c. Tension Pneumothorax

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X A 3years old child came in emergency with high grade fever and respiratory difficulty for 1 day. Child is anxious, toxic with drooling of saliva and a loud stridor. Your suspicion is acute epiglottitis. What is the next step of management? * 0/1

- a. Examine the throat and obtain a culture
- b. Obtain an arterial blood gas and start an IV line
- c. Order a chest x-ray and lateral view of the neck
- d. Prepare to establish the airway
- e. Admit the child and place him in a mist tent

Correct answer

- e. Admit the child and place him in a mist tent

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