








### Cardiology:


















- 🌸 How can you prevent the recurrence of rheumatic fever? **May - 08**
- 🌸 Describe the clinical picture of Fallot's tetralogy. **September - 08**
- 🌸 Describe the clinical picture of Infective Endocarditis. **June- 09**
- 🌸 List Diagnostic criteria for diagnosis of rheumatic fever in children **June- 09**
- 🌸 Differentiate between Fallot's tetralogy and transposition of great arteries. **Sept – 09**
- 🌸 Clinical picture investigations & treatment of moderate VSD [**2008**]
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- 🌸 Manifestations of Rheumatic activity. **93/94**
- 🌸 Major manifestations on rheumatic fever. **[March 93]**
- 🌸 Clinical & laboratory manifestations of rheumatic fever. **[Feb 97]**
- 🌸 Diagnosis of rheumatic fever.
- 🌸 Diagnosis of Rheumatic carditis. **2004**
- 🌸 Lab. Investigation of rheumatic fever. **86**
- 🌸 Prevention of rheumatic fever. **95& 98, 2005**
- 🌸 Ttt of rheumatic fever. **2003**
- 🌸 Discuss the etiology of congenital heart disease. **[Feb 98]**
- 🌸 List 5 common congenital acyanotic heart defects. **[June 2001]**
- 🌸 Complications of congenital heart diseases. **[July 96]**
- 🌸 Clinical presentation of coarctation of the aorta. **[sept 2003]**
- 🌸 Clinical presentation of patent ductus arteriosus **2001**].
- 🌸 Prevention of infective endocarditis.
- 🌸 cardiac murmur. **[Feb 99/June 2004]**
- 🌸 Describe the 6 grades of cardiac murmur? **[Feb 98]**
- 🌸 The innocent murmur. **[Feb. 99/june 2004]**
- 🌸 Clinical presentations of cardiac disease. **[June 2002]**
- 🌸 Management if acute congestive heart failure **[June 2001]** ~

## Prevention of rheumatic

### **Respiratory:**

-  Mention the common causes of cough in infancy and childhood. 5/08
-  Mention common causes of wheezing in infancy and childhood. 9/08 & 2008
-  Mention causes of neonatal respiratory distress and its treatment options 6/09
-  List Differential diagnosis of a wheezy infant. 6/09
-  Mention the diagnosis and complications of pneumonia. 9/09
-  Clinical manifestation & diagnostic investigation of pulmonary TB [2008]
-  Clinical grading of respiratory distress [2008]



-  Enumerate 4 asthma triggering factors. [June 2001]
-  Clinical grading of acute asthma [June 2004]
-  Management of bronchial asthma. [March 93, 2001]
-  Status asthmaticus [June 2002]
-  Management of acute severe bronchial asthma. [Sept 2003]
-  Enumerate the causes chronic cough in children
-  Mention 5 differences between asthma & bronchiolitis [98]
-  Ttt of acute bronchiolitis
-  Clinical manifestations of pneumonia. [94]
-  Bacterial pneumonia in children. 2/97
-  Suppress lung disease. 7/96
-  Lab diagnosis of TB. 7/90
-  Fate of primary TB focus. 7/95
-  Mention 5 clinical types of extrapulmonary tuberculosis. [June 2005]
-  Tuberculin test. [March 85]
-  Complications of pneumonia. [June 2005]
-  Asthma triggers. [June 86]

## **Growth & Development:**

- 🌸 Describe the rooting and suckling reflex in the newborn. 5/08
- 🌸 Mention factors contributing to physical growth in children. 6/09
- 🌸 Moro reflex [2008]
- 🌸 List endocrinal causes of short stature in children. 6/09
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- 🌸 Growth & development in the first two years of life. [Sept 87]
- 🌸 Mention 5 causes of delayed closure of anterior fontanel. [June 2001]
- 🌸 Assessment of growth in Children. [Feb 99]
- 🌸 Factors affecting physical growth. [June 2000 & 2001]
- 🌸 Causes of short stature.
- 🌸 Growth curves. OLD
- 🌸 Normal mental development during infancy. 6/2003
- 🌸 Characteristics of small for gestational age. 6/2005.

## **Genetics:**

- 🌸 Enumerate the structural abnormalities of the chromosomes. 5/08
- 🌸 State types of structural chromosomal aberrations. 6/09
- 🌸 Characteristics of polygenic inheritance 2008
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- 🌸 Autosomal recessive inheritance
- 🌸 Autosomal inheritance.
- 🌸 Give 5 examples of sex-linked inheritance- [June 2001]
- 🌸 sex chromosomes abnormalities, [June 2002 & 2004]
- 🌸 Numerical chromosomal aberrations. [Sept 2001]
- 🌸 Down's syndrome. [Sept 88/June 99]
- 🌸 Early diagnosis of single gene disorder. [June 2003]

❀ Genetic counseling [Sept 2003]

❀ Turner syndrome [June 2005]

### Nutrition

❀ Mention the factors that **may** affect the breast milk production. 5/08

❀ Explain how can you prevent protein energy malnutrition. 5/08

❀ Mention maternal causes that make breast feeding difficult. 6/09, 98

❀ Mention the advantages of breast feeding and the protective mechanisms of human milk. 6/09, 2002, 2003

❀ Cow milk is not recommended for infant below one year



❀ Nutritional requirements of children. [Sept 86/Feb 97]

❀ Protein requirements in the pediatric age, their value & sources. [Jun 96]

❀ Protein energy malnutrition. [Sept 92, March 93, July 95, June 98]

❀ Kwashiorkor. (Sept 91)

❀ Clinical picture of marasmus. [Sept 2001]

❀ Types of rickets 87

❀ Etiology of rickets, 91

❀ Vitamin D deficiency in rickets [Sept 89, Sept 92, Sept 94, 2001, 98]

❀ Hypervitaminosis D, 99, 2001

❀ Mention 4 types of renal tubular rickets. 2001.

❀ Composition of breast milk, 89, 99, 2000

❀ Management of early minor problems during breastfeeding (2003/2004) :

❀ Drugs secretion in breast milk [Feb 98/Sept. 2003]

❀ Manifestations of overfeeding [Feb 99]

❀ Preterm infant formula. [Sept. 2003]

❀ Weaning. [Sept 84/July 95/June 99]

❀ Vitamin A deficiency. [June 2005]

### Neonatology:

❁ Mention causes of neonatal jaundice and list five findings which differentiate between its physiological and pathological types. (9/08)

❁ Describe normal neonatal reflexes and their clinical significance. 6/09

❁ List causes of neonatal anemia. 9/09, 2003

❁ Mention basic steps in Neonatal resuscitation 6/09



❁ The normal newborn [July 95]

❁ Characteristics of the healthy new born. [June 98]

❁ Apgar score. [Sept 83 , 2001]

❁ Resuscitation of the newborn. [Feb 99]

❁ Reasons for failure of resuscitation of new born. [June 2004]

❁ Low birth weight infant. [June 2000]

❁ Complications & management of low birth weight babies. [March 87]

❁ Mention advantages of incubator care.

❁ Enumerate 5 extra-pulmonary causes of respiratory distress in the newborn. 2001

❁ Management of respiratory distress syndrome. Sept 2001.

❁ Clinical & laboratory findings of neonatal septicaemia [June, 2003]

❁ Causes & management of neonatal apnea.

❁ Neonatal convulsions. Sept 84

❁ Causes of neonatal convulsions [ March 83/March 94/ Feb 97]

❁ Enumerate 5 causes of neonatal seizures

❁ Unconjugated hyperbilirubinemia in the newborn [June 2001]

❁ Discuss briefly neonatal cold injury.[Feb 98]

❁ Metabolic disturbance in the newborn. [Sept 91]

❁ Neonatal hypocalcaemia. [Sept 2003]

❁ Neonatal hypoglycemia. [June 2004]

❁ Complications of exchange transfusion of newborn [June 2005.]



## Infections:

- ❁ Enumerate the complications of measles virus.5/08
- ❁ How can you differentiate between types of meningitis by cerebrospinal fluid examination? 5/08
- ❁ Mention Complications of bacterial meningitis.9 /08
- ❁ List five obligatory preventive vaccines taken at first year of life (Time and Dose). 9/08
- ❁ Give short account on Oral polio vaccine. 6/09
- ❁ Mention management and complications of mumps. 9/09, 2000
- ❁ Epidemiology clinical picture & complicating of chicken pox



- ❁ Cl. picture,differential diagnosis & complications & prevention of measles [85.90] [2001]
- ❁ Management of measles. [June2004]
- ❁ Maculopapular rash. [June 99]
- ❁ Whooping cough. [Sept 91]
- ❁ Enumerate 4 respiratory complications of whooping Cough [2001]
- ❁ Complications of scarlet fever. [March 87]
- ❁ Giardiasis. [Feb 99]
- ❁ Vaccination against poliomyelitis [June 2002]
- ❁ Obligatory Vaccines. [March 93/ Sept ]
- ❁ Non-compulsory vaccines [June2003]
- ❁ TB immunization [Sept2003]
- ❁ First year vaccination program [Feb"97 1.~une,99 / Sept 2001]
- ❁ Fevers with purpuric rash . [Sept2003]
- ❁ Fever of unknown origin [June 98, 2002]
- ❁ Causes of prolonged fever in children [2003]
- ❁ BCG vaccine [June 2005]
- ❁ Complications of septicemia. [June 2005]

### **Gastroenterology:**

- ❁ Enumerate the complications of acute severe gastroenteritis. State briefly the mechanism and treatment of each one. [September 2009]
- ❁ Mention causes of persistent diarrhea in children. [June 2009]
- ❁ Causes of acute abdomen in children, Investigations done when it is recurrent. 9/08
- ❁ Causative organisms for infective diarrhea. [June 2008].
- ❁ complication of acute gastroenteritis [2008]
- ❁ D.D of painful oral lesions 2008
- ❁ Enumerate causes of recurrent vomiting in infancy and children. 6/09



- ❁ Complications of septicemia. [June 2005]
- ❁ Non surgical causes of acute abdomen.. [Sept 2005]
- ❁ Etiology of non-infective diarrhea. [Sept 2005]
- ❁ Painful oral lesions [June 2006]
- ❁ Monilial stomatitis; causes, C/P, ttt. [Sept 2007]

### **Hepatology:**

- ❁ How can you prevent viral hepatitis? 5/08.
- ❁ Plan the laboratory approach to identify causes of cholestasis in infancy. 9/08.
- ❁ List causes of cholestasis in neonates and infancy 06/09
- ❁ List causes of portal hypertension in infancy and children. 6/09
- ❁ Management of a case of portal hypertension [2008]

### **Hematology:**

- ❁ How can you prevent iron deficiency anemia in infancy and childhood. 5/08
- ❁ State the causes of chronic hemolytic anemia. 5/08
- ❁ List essential investigations recommended for a suspected case of beta thalassemia. 9/08
- ❁ Mention clinical and laboratory diagnosis of iron deficiency anemia (etiology). 6/09, 99/2002/2003

❁ Mention the different crises in sickle cell anemia. 9/09

❁ D.D of a case of ITP 2008

❁ Describe clinical types of Sickle Cell Anemia. 6/09



❁ Factors controlling erythropoiesis. [Sept 2003]

❁ Causes of iron deficiency anemia. [Feb 99]

❁ 4. Laboratory data & ttt of Fe deficient Anemia. (Feb 98]

❁ Hemolytic anaemias. [March 94]

❁ Diagnosis of hemolytic anemia. [March 93/ July 85]

❁ Acute haemolytic anaemias. [June 2000] •

❁ Clinical picture & ttt of acute haemolytic anemia. [Feb 98]

❁ Sickle-cell anemia. [Sept 83/Sept 2003]

❁ Thalassemia. [93/ Sept 2001]

❁ Laboratory diagnosis of thalassemia [June 2004]

❁ Clinical, lab. Diagnosis & management of thalassemia major. [Mar-87]

❁ Anemia in PEM [Sept 84]

❁ Classification of non-thrombocytopenic purpura. [June 2004]

❁ Management of immune thrombocytopenic purpura [99]

❁ Give 5 causes of thrombocytopenic purpura [2001].

❁ Drugs foods that induce hemolysis in G6PD deficiency [2005]

❁ Clinical picture of acute leukemia [June 2005]

### **Nephrology:**

❁ Describe diagnostic criteria for active nephrotic syndrome in children. [June 2009]

❁ List of Investigations required for a case of recurrent urinary tract infection. [09 & 08]

❁ Describe the clinical presentations of post-streptococcal glomerulonephritis. [June 2008] « Signs & Symptoms »



❁ Hematuria. [June 98]







