



## Before Licensing Examination > Useful Resources

### Topics

The following is a list of topics for reference; the list is neither exclusive nor exhaustive. Candidates are expected to have a good understanding of the biomedical basis and clinical management, where appropriate, of these conditions. Please note that the same topic can appear in more than one discipline if deemed appropriate.

### Paediatrics

#### General and Adolescent Medicine

##### i. History Taking

- Fever
- Weight loss
- Pyrexia of unknown origin
- Failure to thrive
- Joint pain
- Child neglect/abuse
- Prolonged neonatal jaundice
- Symptoms of upper respiratory tract infection (runny nose, cough, etc.)
- Acute shortness of breath
- Small head
- Big head
- Squint
- Limping
- Obesity
- Skin rash
- HEADSS assessment tool

##### ii. Physical Examination

- Dysmorphism
- Features of Down syndrome
- Café au lait spot
- Depigmented spot
- Haemangioma
- Atopic eczema



- Lymphadenopathy
- Chickenpox/rubella
- Assessment of hydration state
- Otitis media
- Cataract/corneal clouding
- Nutrition
- Pneumonia
- Big head/small head
- Skeletal dysplasia
- Undescended testis

### iii. Cases

- Obesity
- Vomiting
- Acute diarrhoea
- Chronic diarrhoea
- Feeding problems
- Failure to thrive
- Irritable hip
- Eczema
- Developmental delay e.g. floppy infant
- Growth disturbance e.g. short stature
- Behavioural difficulties
- Psychological response to illness
- Abuse/neglect
- Pneumonia
- Sinusitis
- Accidents and poisonings
- Stings and bites (insects and snakes)



## Cardiology

- Innocent murmur
- Pulmonary stenosis
- Atrial septal defect
- Ventricular septal defect
- Aortic stenosis
- Transposition of the great arteries
- Coarctation of aorta
- Fallot's tetralogy
- Patent ductus arteriosus
- Heart failure

## Child Neurology / Developmental Paediatrics / Neurohabilitation

- Attention Deficit Hyperactivity Disorder (ADHD)
- Autism spectrum disorder/autistic features
- Delayed speech
- Learning disability or mental retardation (mild/moderate/severe)
- Blindness
- Duchenne muscular dystrophy
- Spinal muscular atrophy
- Neurofibromatosis
- Epilepsy
- Febrile convulsion
- Cranial nerve palsy
- Syndromes (Down syndrome, Fragile X syndrome, Angelman syndrome)
- Cerebral palsy (hemiplegia, diplegia, tetraplegia, dyskinetic)
- Floppy baby
- Tuberous sclerosis
- Global developmental delay
- Tension headache
- Migraine



## Endocrinology

- Constitutional delay of growth
- Short stature
- Delayed puberty
- Early/precocious puberty
- Hypothyroidism and hyperthyroidism
- Obesity
- Growth hormone deficiency
- Diabetes mellitus

## Gastroenterology

- Acute abdominal pain
- Chronic abdominal pain
- Vomiting
- Diarrhoea
- Constipation
- Jaundice
- Abdominal mass (e.g. hepatosplenomegaly)
- Dehydration
- Hepatomegaly
- Splenomegaly

## Haematology / Oncology / Immunology / Infection

- Malignancy
- Leukaemia
- Brain tumour
- G6PD deficiency
- Thalassaemia major
- Haemophilia
- Idiopathic thrombocytopenic purpura
- Henoch-Schönlein purpura
- Gastroenteritis
- Urinary tract infection
- Upper respiratory tract infection



- Croup
- Acute bronchiolitis
- Pneumonia
- Kawasaki disease
- Rheumatic fever
- Infectious mononucleosis
- Viral exanthema
- Impetigo
- Cellulitis (including orbital and periorbital cellulitis)
- Urticaria
- Molluscum contagiosum
- Arthritis (e.g. Juvenile rheumatoid arthritis, septic arthritis)
- Systemic lupus erythematosus
- Meningitis and encephalitis
- Adverse effects after immunisation
- Refusal of vaccination

## **Nephrology**

- Urinary tract infection
- Enuresis
- Hypertension
- Nephrotic syndrome
- Acute glomerulonephritis
- Acute nephritis
- Henoch-Schönlein purpura
- Neuropathic bladder
- Vesico-ureteric reflux

## **Respiratory System**

- Allergic rhinitis
- Pneumonia
- Asthma
- Tuberculosis
- Croup



- Tonsillitis/viral respiratory infections
- Bronchiolitis
- Obstructive sleep apnoea

## **Neonatology**

- Neonatal jaundice
- Prematurity
- Maternal/perinatal infection
- Congenital malformations, genetic and chromosomal abnormalities
- Perinatal asphyxia
- Multiple pregnancy
- Small for Gestational Age and Large for Gestational Age
- Intrauterine growth restriction
- Intraventricular haemorrhage
- Hydrocephalus
- Transient tachypnoea of the newborn
- Respiratory distress syndrome
- Meconium aspiration
- Pneumonia
- Pneumothorax
- Intestinal obstruction
- Necrotising enterocolitis

## **Critical Care / Emergencies**

- Anaphylaxis
- Adrenal crisis
- Acute shortness of breath
- Acute asthma
- Upper respiratory tract obstruction (croup)
- Septicaemia
- Acute confusion
- Shock
- Coma
- Dehydration (secondary to gastroenteritis)



- Status epilepticus
- Accidental poisoning
- Cardiac failure
- Trauma

## **Public Health, Medical-social & Ethical Issues**

### **i. Public Health**

- Prevention of accidents
- Notification of communicable diseases
- Screening for thalassaemia
- Screening for hypothyroidism

### **ii. Medical-social**

- Baby with chronic disability
- Habilitation/disabilities
- Child abuse
- Single mother

### **iii. Ethics**

- Palliative care of terminal disease
- Personal responsibility for health from childhood
- Prenatal counselling/abortion
- Single mother