



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