



Cert Medical Oncology(SA) Paed Blueprint

<p>Epidemiology/Research</p> <p>Incidence/epidemiology of childhood cancer Statistical principles Methods of research Ethics of cancer treatment and conduct of clinical trials</p> <p>Ethics/Communication</p> <p>Treatment Treatment refusal Informed consent Management and Leadership Effective use of resources</p>	<p>10%</p>
<p>Basic Principles</p> <p>Application of molecular biology in childhood cancer and related illnesses Genetic and environmental factors in childhood cancer The haemopoietic system with special reference to stem cell, marrow turnover and haemopoietic growth factors</p> <p>Basic tumour biology: immunology tumour kinetics growth factors oncogenes</p> <p>Diagnostics</p> <p>Pathology relevant to clinical practice Tumour imaging Principles of staging</p> <p>Therapeutics</p> <p>Principles of chemotherapy The role of surgery in cancer treatment Basic principles of radiation treatment and the role of radiation therapy Approaches to common scenarios in Paediatric oncology Bone marrow transplantation, stem cell rescue and cord blood transplants Palliative/terminal care Late effects of childhood cancer and its treatment</p>	<p>25%</p>
<p>Supportive Care</p> <p>Oncologic emergencies – SVC syndrome, cord compression, endocrine and metabolic disturbances Haematologic supportive care Infectious complications and their management Nutrition in the child on cancer treatment Principles of psychosocial support for the patient and family Anti-emetic therapy Pain control</p>	<p>20%</p>

Leukaemias and Lymphomas.../

Leukaemias and Lymphomas	15%
Acute lymphoblastic leukaemia	
Acute non lymphoblastic leukaemias	
Non Hodgkin lymphoma	
Hodgkin lymphoma	
Chronic leukaemia and myelodysplastic syndromes in childhood	
Solid Tumours	30%
Central nervous system tumours	
Wilms tumour and other renal malignancies occurring in childhood	
Neuroblastoma	
Hepatoblastoma and other liver malignancies occurring in childhood	
Rhabdomyosarcoma and other soft tissue sarcomas	
Osteogenic sarcoma	
Ewing sarcoma	
Peripheral neuroectodermal tumours	
Retinoblastoma	
Germ cell tumours	
Endocrine tumours	
Histiocytic syndromes including Langerhans cell and familial histiocytosis	
AIDS and childhood cancer	