

HONG KONG COLLEGE OF PAEDIATRICIANS
 WORKING GROUP ON CURRICULUM REVIEW
 SYLLABUS PROPOSAL

AREA: Paediatric Haematology & Oncology

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BASIC TRAINING

TOPICS	SUBTOPICS
General Understanding of Paediatric Oncology	Understand the characteristics, aetiology and epidemiology of common childhood tumours
Red Flags of the presentation of Common Oncological Conditions	Recognize the red flags of the presentation of common childhood oncological conditions including, but not limited to, Acute leukemias CNS tumors Lymphoma Neuroblastoma Osteosarcoma Hepatoblastoma
Oncological Emergencies	Recognition of presentations and proper initial management of oncological emergencies including, but not limited to, Leukocytosis Tumor lysis syndrome Superior vena cava obstruction Raise intra-cranial pressure Spinal cord compression Neutropenic fever
Management approach of common oncological conditions	Overview of treatment approach of common oncological conditions. Basic knowledge on the short and long term side effect of cancer treatment (chemotherapy and radiotherapy)
General Understanding of Common Haematological Conditions	Understand the physiology and disorder of red blood cells, white blood cells, platelet and haemostasis
Anaemia	Recognizes, investigates and initiates treatment for anaemia, including, but not limited to

	Iron deficiency anaemia Hereditary anaemia Haemolytic anaemia
Transfusion	General understanding and precaution of blood and blood products transfusions
Thalassemia and other haemoglobinopathies	Presentation and management of transfusion – dependent thalassemia Complications of thalassemia Iron chelation and complication of iron overload
Haemophilia and other clotting disorders	Presentation and overview of management of haemophilia and clotting disorders; Complications of haemophilia; Concept of factor replacement
Common platelet disorders	Presentation and management of acute ITP; Treatment options for persistent and chronic ITP
Multi-disciplinary care	Roles of health professionals including oncologists, nurses, child life specialists, palliative care team, clinical psychologists and social workers

Essential skills

Domain 1 – Professional values & behaviour

Domain 2 – Communication

Domain 3 – Procedures

Domain 4 – Patient management

Desirable procedural skills

1. Bone marrow aspiration and trephine biopsy
2. Safe administration of chemotherapy by various route: Intrathecal, intravenous and intramuscular chemotherapy
3. Appropriate handling of central venous catheter.

HIGHER TRAINING

TOPICS	SUBTOPICS
Acute Leukemia / Lymphoma	Recognize and initiate the investigation of suspected haematological malignancy General understanding of management of common types of acute leukemias and lymphomas, acute lymphoblastic leukemia; acute myeloid leukemia / non-Hodgkin

	lymphoma / Hodgkin lymphoma
Complex haematological conditions	Recognize and initiate investigation of suspect bone marrow failure syndrome / haemophagocytic lymphohistiocytosis / histiocytic conditions and other complex haematological conditions
CNS Tumors and Solid Tumors	More in-depth understanding of treatment modalities of CNS tumors and solid tumors Concept of radiotherapy in children Complications of radiotherapy
Haematopoietic Stem Cell Transplantation (HSCT) and Cellular Therapy	General understanding and concept of HSCT and cellular therapy Indications of HSCT and cellular therapy; Understanding of the principle of apheresis Common complications of HSCT and cellular therapy
Cancer Survivorship	Understand the problems encounter in cancer survivors General understanding of the long-term follow-up approach

Essential skills

Domain 1 – Professional values & behaviour

Domain 2 – Communication

Domain 3 – Procedures (Lumbar puncture)

Domain 4 – Patient management

Desirable skills

1. Communication skills in challenging clinical situations namely in diagnosis interview, breaking bad news in relapse or refractory conditions and terminal event;
2. Handling of specific problem of the central venous catheter like blockage or dislodgement