

THE HONG KONG COLLEGE OF PAEDIATRICIANS
(Incorporated in Hong Kong with Limited Liabilities)

Committee for Subspecialty Boards

Application for the Accreditation of the Subspecialty of Paediatric Haematology & Oncology.

1. Declaration :

1.1 We, the undersigned, would like to apply for accreditation of the subspecialty of Paediatric Haematology & Oncology (PHO), this being a new and different from existing subspecialties.

1.2 We submit that the subspecialty is needed in Hong Kong.

Proposed manpower estimates :

- (i) 15 (number) of Fellows could be qualified as First Fellow
- (ii) 18 (number) of subspecialists existed.
- (iii) 25 (number) of subspecialists projected as required locally in the next 10 years.

1.3 This subspecialty also exist in other countries such as Canada and Australia.

- (i) About 100 (number) of specialists are required in Canada (i.e. 100 in 37.5M / 8M (whole population / <19 years old); and about 70 are required in Australia (ie 70 in 25.5M / 6.5M (whole population / <19 years old)

(ii)

2. Justification for establishment of subspecialty :

We have also submitted a descriptive narrative, stating that our subspecialty satisfies all the Criteria laid down by the Academy of Medicine for the recognition of a Subspecialty (Appendix I).

- (i) the subspecialty is needed in Hong Kong
- (ii) the subspecialty is new and different from existing subspecialties
- (iii) the knowledge, skills and practice required by that subspecialty are identifiably distinct and are deemed appropriate and compatible with the practice of paediatrics
- (iv) the subspecialty exists in other countries
- (v) the subspecialty is recognized at the institutional level; with the appointment of academic staff for that subspecialty at the Associate Professor level in a university in Hong Kong or the appointment of a Consultant for that subspecialty in one of the Hospital Authority Hospitals or the Department of Health
- (vi) the subspecialty has the administrative support of one or more constituent Colleges of the Academy.

Please also include justification for the subspecialty to be recognized and that the subspecialty has enough members, activities, a training programme ready for accreditation and unanimous agreement of the programme by all Fellows interested in the subspecialty.

3. Proposed training program :

3.1 We propose the training program would be three years with a minimum of twenty-four months of full clinical activities.

3.2 One (number) proposed training program within the territory of HK would be adequate at any one time.

3.3 We provide local statistics for our subspecialty :

a. Estimated patient load in Hong Kong:

i. Inpatients - new cases/month:

- ☐ <5
- ☐ 6-10
- ☐ 10-15
- ☒ 16-20
- ☐ 21-25
- ☐ 26-30
- ☐ >30

ii. Outpatient attendance- new cases/month

- ☐ <5
- ☐ 6-10
- ☐ 10-15
- ☐ 16-20
- ☐ 21-25
- ☒ 26-30
- ☐ >30

iii. Outpatient attendance- old cases/month

- ☐ < 20
- ☐ 21-40
- ☐ 41-60
- ☐ 61-80
- ☐ 81-100
- ☒ > 100

iv. Estimated number of new cases in general population:

Oncology : 190 per year per 1 million
Haematology: 400 per year

b. Local facilities:

i. Designated inpatient bed numbers

<u>72 (In-patient) + 8</u>	Haematology / Oncology / BMT in
<u>(BMT/HDU) + 22 Day</u>	Hong Kong Children's Hospital
<u>Beds</u>	

ii. Designated outpatient attendance per month

About 16 Oncology New and 10 Haematology New Cases in HKCH	(please specify number of new cases)
<u>HKCH (500) + Regional (800)</u>	(please specify number of old cases)
HKCH : 12 sessions PWH: 8 sessions QMH: 8 sessions QEH: 4 sessions TMH: 4 sessions PYNEH: 1 session <u>HKEH: 2 sessions</u>	(please specify frequency of out patient clinics)

iii. Details of facilities relevant to the subspecialty (eg diagnostic laboratories, electrophysiology laboratories, imaging facilities):
(please specify number and type of facilities)

Type of facilities	Number
<u>Haematology / Pathology Lab</u>	<u>1</u>
<u>Chemical Pathology Lab</u>	<u>1</u>
<u>Microbiology Lab</u>	<u>1</u>
<u>Virology Lab</u>	<u>1</u>
<u>Genetic Genomic Lab</u>	<u>1</u>
<u>Stem Cell Lab</u>	<u>1</u>
<u>Radiology Unit (CT / MRI / USG / Intervention Radiology)</u>	<u>1</u>
<u>Intensive Care Unit</u>	<u>1</u>
<u>Integrated Rehabilitation Unit</u>	<u>1</u>

c. Resources

i. The development of this subspecialty requires extra resources

☐ Yes ☒ No

If yes the extra resources include:

1. Manpower

☐ Yes ☐ No

2. Equipment

☐ Yes ☐ No

3. Space for use by subspecialty

i) Bed space

☐ Yes ☐ No

ii) Laboratory space

☐ Yes ☐ No

iii) Rehabilitation space

☐ Yes ☐ No

iv) Others:

☐ Yes ☐ No

If yes, please specify:

d. Manpower

i)	Number of subspecialists needed in Hong Kong	<u>25</u>
ii)	Number of peer-recognized subspecialists currently practicing in Hong Kong:	<u>18</u>
iii)	Number of Paediatricians currently practicing this subspecialty	<u>18</u>
iv)	Number of trainees that need to be trained to meet the current need	<u>7</u>
v)	Number of qualified trainers currently available	<u>15</u>
vi)	Number of trainees that can be accommodated with the existing provision of manpower and facilities	<u>1-2 New Trainees / Year</u>
vii)	Number of trainees currently under training in this subspecialty	<u>3</u>

3.4 Career structure

Based on the analysis of the above information, we deduce the following:

1.	Number of fully-trained subspecialists in (e.g. neonatology) required for whole of Hong Kong	25
2.	Number of subspecialists trainees required to be trained after their FHKAM (Paediatrics) Fellowship Exit Examination in order to maintain a steady state in the next 10 years (i.e. all fully-trained subspecialists can function full-time in that subspecialty and the “a” can be reached just right), taking into account of retirement and projection of needs in the next 10 years, etc.	10
3.	Number of fellows (FHKAM Paediatrics) required to be working with the subspecialists to reach a desirable level of service and training for the whole of Hong Kong.	13
4.	Number of trainees (pre-fellows) required to be working in the subspecialty to reach a desirable level of service and training for the whole of Hong Kong.	25
5.	Number of centres or clustered network required for this subspecialty in the whole of Hong Kong.	1 clustered network

3.5 We also submit additional information on the justification of establishment of our subspecialty, with reference to :

3.51 Curriculum:

a) Duration of subspecialty training

- ☐ 2 years post-higher training in general paediatrics
- ☒ 3 years (incorporating 1 year of training in that particular subspecialty during the higher training in general paediatrics and 2 years of extra subspecialty training)

- b) Maximum duration (**6 months**) of recognition for specified qualification or training within the subspecialty training programme

		Yes	No
i)	Ph. D	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ii)	M. Phil.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iii)	M. Med. Sc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iv)	Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Please specify _____

- c) Clinical experience

- i) Minimum

- ☒ 24 months
☐ 30 months
☐ 36 months

- ii) Maximum

- ☐ 24 months
☐ 30 months
☒ 36 months

- iii) Minimum number of new out-patient consultation in that subspecialty during the whole period of subspecialty training

- ☐ 50-100
☒ 100-150
☐ 150-200
☐ 200-300
☐ Others

Please specify _____

- iv) Minimum number of old out-patient consultation in that subspecialty during the whole period of subspecialty training

- ☐ 300-400
☐ 400-500
☐ 500-600
☐ 600-700
☒ 700-800
☐ Others

Please specify _____

v) Minimum number of subspecialty clinics per week

☒ 2

☐ 3

☐ 4

vi) Necessity of log sheet or log book

☒ Yes

☐ No

vii) Availability of checklist for minimum number of special procedures for that subspecialty

☐ Yes* ☒ No

*** (please submit a separate check list on all special procedures required for the subspecialty – Appendix II)**

d) Research activities required

☒ Yes

☐ No

If yes,

(i) Clinical research programme

☒ Yes

☐ No

(ii) Basic research programme (eg. laboratory experience)

☒ Yes (optional) ☐ No

If yes, please specify minimum duration

☒ 6 months

☐ 12 months

Please also specify maximum duration allowed

☐ 6 months

☒ 12 months

e) Teaching required

☒ Yes

☐ No

If yes, please specify minimum percentage of time

☒ 5%

☐ 10%

☐ 15%

☐ Others

Please specify _____

Please also specify maximum percentage allowed

☐ 10%

☐ 15%

☒ 20%

☐ Others

Please specify _____

- i) Undergraduate
☐ Yes ☒ No
- ii) Postgraduate
☒ Yes

f) Administration within subspecialty (eg medical audit, involvement of service development, co-ordination & administration within subspecialty)

☒ Yes ☐ No

If yes, please specify minimum percentage of time

- ☐ 5%
☒ 10%
☐ 15%
☐ Others

Please specify _____

Please also specify maximum percentage allowed

- ☐ 10%
☐ 15%
☒ 20%
☐ Others

Please specify _____

g) Subspecialty training is done in

- ☐ ONE centre Hong Kong Children's Hospital (HKCH)
☐ more than two centres _____

h) Overseas training required

☒ Yes (Optional in Elective Module) ☐ No

If yes, what is the minimum duration?

- ☐ 3mths
☒ 6mths
☐ 12mths
☒ others:

Please specify 6 months to 12 months (Max)

If yes, please also describe

- (i) setting Renown Oversea Training Centre with developed PHO program
(ii) objectives Widen Exposure in Subspecialty

i) Pre-set curriculum for their elective period

☐ Yes ☒ No

3.52 Assessment of training :

a) Profolio assessment

☒ Yes ☐ No

If yes, please describe

(i) Oral ☒ Yes ☐ No
(ii) Written ☐ Yes ☒ No
(iii) Course work ☐ Yes ☒ No
(iv) Postgraduate Degree or Certificate ☐ Yes ☒ No
(v) Published papers ☒ Yes ☐ No

3.6 Institution/Functional Training Unit

3.61 Please describe the statistics for EACH Program :

				Comments
1. Case load per year (Outpatient + In-patient)	(new) <u>320</u> (old) <u>14700</u>			Case load of 5 hospitals before translocation to HKCH is included in Appendix
2. Case profile	* Highly Complex	70	%	Case profile of 5 hospitals before translocation to HKCH is included in Appendix
	* Complex	10	%	
	* Intermediate	10	%	
	* Simple	10	%	
a) No. of specialists working in the programme	18			
b) <u>>35</u> % of time working in the subspecialty	15			
3. No. of sub-specialists (FTE) (FTE = at least 35-50% of time working in the sub-specialty)	15			
4. Having a structure for centre e.g. Director on service, training or research etc	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA			

5. No. of trainees		Paediatric Trainees:20
6. No. of supporting staff (Please specify)	e.g. Clinical psychologist	1
	Scientific officer	1
	Therapists	30
	Research fellows/assistants	2
	Palliative nurses	3
7. Structured training programme	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	
8. Clinical guidelines/protocols	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	
9. Clinical audit	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	
10. Research projects – No.	> 10	

*** Please define clearly each category for your subspecialty, citing clinical examples and the case mix necessary for a viable programme.**

3.7 Supportive Service considered as mandatory to the programme :

								Comments
1. Coordination with other relevant paediatric subspecialties (please specify)								
	Yes	No	NA	emergency	elective	On site	Other location	
e.g. PICU/NICU	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Medical subspecialties	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Surgical subspecialties	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Orthopaedic subspecialties	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Oncology	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Radiation Oncology
Transplant	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Others (please specify)								

2. Special investigatory support								
a. Laboratory								
	Yes	No	NA	emergency	elective	On site	Other location	
Chemical pathology	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Histo-pathology	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Microbiology	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Immunology	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Others (please specify)								
Haematology Lab	Yes			On site / Emergency and Elective Services				
Stem cell Lab	Yes			On site				
Genetic & Genomic Lab	Yes			On Site				
b. Radiology								
US	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
MRI	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Isotope Scan	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Others (please specify)								
3. Special therapeutic support								
Radiotherapy	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Interventional radiology	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Chemotherapy	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Pharmacy	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Total parental nutrition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Nutritionist	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Clinical psychologist	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Medical Social workers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Allied health	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Others (please specify)								
4. Special management modalities (eg Parents support groups) (Please specify)					Parents Support Groups			

3.8 Proposed requirement of Trainers

a) Number of training staff in a centre recommended :

- ☐ 1
☒ 2-3
☐ 3-4
☐ >4

Please specify _____

b) In possession of the necessary skills in laboratory, special procedure or basic sciences practice

- ☐ Yes ☒ No

c) Active in carrying out clinical audit and setting up of management guidelines

- ☒ Yes ☐ No

3.9 Proposed educational activities :

	<u>Location</u>	<u>Frequency</u>
Grand round	HKCH	1 per month
Journal Club	HKCH	1 per month
X-ray/imaging meeting	HKCH	6 per month
Audit	HKCH	4 per month
* other CME Activities	Trainee Session, HKCH	1 per month
	Mortality & Morbidity Meeting	1 per month
	Research Seminar	1 per month

*** (please note that CME activities will be required for recognized subspecialties)**

3.10 The field of research available in our subspecialty and existing in HK (please describe in details) :

(i) Clinical	CCCG 2015 in ALL / CCCG 2017 in Relapsed ALL
	NOPHO-DBHIS study in AML
	PHITT study in Hepatoblastoma
	LBL 2018 study in Lymphoblastic Lymphoma
(ii) Laboratory	Basic and Genetic Research in ALL
	Basic and Genetic Research in AML
	Genetic Research in CNS Tumor
	Basic and Genetic Research in Lymphoma
(iii) Epidemiological	Paediatric Cancer Long Term Follow Up Study

3.11 About 5 (Number) of candidates are potential program director(s) for HK (> 50% of time spent on subspecialty)

3.12 15 (Number) of candidates are potential trainers of the program

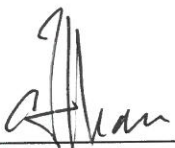

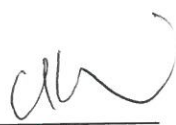
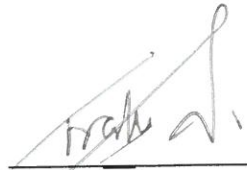

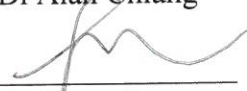
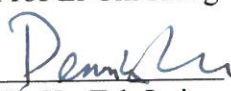
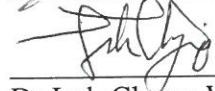
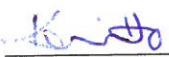
3.13 We submit in details the curriculum of our subspecialty training programme under the headings of knowledge, skills and attitudes as Appendix III (on describing the training programme, please take reference from the handbook of Guideline on Postgraduate Training & Accreditation published by the College).

4. We propose (a) Dr./Prof. JEFFREY S. DOME of CENTRE FOR CANCER AND BLOOD DISORDERS CHILDREN'S NATIONAL HOSPITAL, WASHINGTON (Institution) in UNITED STATES OF AMERICA (USA) (country) and

(b) Dr./Prof. DENISE MARY WILLIAMS of ADDENBROOKS' HOSPITAL, CAMBRIDGE UNIVERSITY HOSPITAL FOUNDATION TRUST (Institution) in UNITED KINGDOM (country) to be external assessor of our programme.

On behalf of the core groups of Paediatric Haematology & Oncology Subspecialty

Co-ordinators of the subspecialty :

 Prof Godfrey Chan	 Dr Alan Chiang	 Prof Li Chi Kong	 Dr. Frankie Cheng
 Dr. Daniel Cheuk	 Dr Grace Lam	 Dr Ku Tak Loi	 Dr Luk Chung Wing
 Dr Karin Ho			

Contact person Dr Chiang Kwok Shing Alan

(i) Telephone 35133613

(ii) Email chiangak@hkucc.hku.hk

Appendix : Case Load and Case Profile of 5 Paediatric Units with Oncology Services
before Translocation to HKCH

	Hong Kong Children's Hospital (HKCH)	Prince of Wales Hospital (PWH)	Princess Margaret Hospital (PMH)	Queen Elizabeth Hospital (QEH)	Queen Mary Hospital (QMH)	Tuen Mun Hospital (TMH)
Case Load (Per Year) *	14700 (by projection)	7965	1952	3661	7048	2262
Case Profile #						
Highly Complex:	75%	59%	19%	33%	56%	18.6%
Complex:	5%	2%	2%	6 %	11%	5.0%
Intermediate :	10%	10%	36%	10%	11%	21.6%
Simple	10%	29%	43%	51%	22%	54.8%

* Outpatient Attendance + Inpatient Episodes : Average of 3 years (2016 – 2018)

Case profile Definition:

Highly Complex:

All oncology cases as primary or secondary diagnosis, all Haematopoietic stem cell transplant cases; Haemophagocytic Lymphohistiocytosis (HLH); Langerhans Cell Histiocytosis (LCH)

Complex:

Transfusion Dependent Anemia; Haemophilia; Clotting Factor Deficiency; Hereditary Thrombophilia; Aplastic Anemia

Intermediate:

Non-transfusion dependent thalassemia; Haemolytic Anemia; Hereditary Spherocytosis; von-Willibrand disease; Hereditary TTP; Hereditary platelet disorder

Simple:

Iron Deficiency Anaemia; Immune Thrombocytopenia; Unspecified Anemia, Neutropenia, Leucocytosis; Thrombocytopenia, Erythrocytosis..