

Observership opportunities in Department of Pediatric Hematology-Oncology  
Post Graduate Institute of Child Health, Noida

## 1. Training program for paediatricians/ postgraduates in Pediatric Hematology-Oncology

- **Duration** – 4 weeks (can be extended to 12 weeks as per requirement of the candidate)
- **Eligibility** – MD/DNB Paediatrics / DCH (Exam going PGs relieved from parent institute can apply)
- **Objectives**
  1. To develop the core competencies of paediatricians working in medical colleges or in practice to diagnose and provide comprehensive care to children with blood diseases and cancers.
  2. Orientation towards therapeutic procedures in pediatric haematology-oncology
  3. To develop treatment centres in medical colleges/ hospitals by providing shared care
  4. To develop an ongoing network between treatment centres to encourage education, research and clinical management
- **Fee:** Rs. 1,000/- ≤ 4 weeks Rs. 2000/- > 4weeks (Fees can be paid on the day of joining)
- **Stay:** Hostel can be allotted by prior intimation
- **Canteen** facility available on campus
- **Schedule**

<b>Week 1</b>	Pre test Approach to common Hem-Onc symptoms
<b>Week 2</b>	Procedures – Bone marrow aspiration, biopsy, Intrathecal therapy, PICC line insertion and care Laboratory evaluation of common diseases Administration of chemotherapy Thalassemia blood transfusion guidelines Factor administration in Hemophilia
<b>Week 3</b>	Hem-Onc Emergencies
<b>Week 4</b>	Managing common Hem-Onc diseases Nutritional anemias/ refractory anemias Thalassemia ITP / Neonatal and other thrombocytopenias Aplastic anemias and inherited bone marrow failure Haemophilia/ bleeding disorders Leukemias Febrile neutropenia Transfusion practices in Hem-Onc Infection prevention in Hem-Onc Shared care in Ped Hem-Onc Managing a Ped Hem-Onc unit – data, nursing, sanitization, nutrition
<b>Last Day</b>	Post Test Certificate Distribution

- **Contact person**  
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## 2. Training for medical officers in haemophilia and thalassemia care

- **Duration** – 1-2 weeks (can be extended for up to 4 weeks)
- **Eligibility** – MD/DNB Paediatrics / DCH / MBBS
- **Objectives**
  1. To help capacity building of haemophilia and thalassemia treatment centres in medical colleges and district hospitals in India and abroad
  2. To develop an ongoing network between treatment centres to encourage education, research and clinical management
- **Fee:** Rs. 1,000/- (Fees can be paid on the day of joining)
- **Stay:** Hostel can be allotted by prior intimation
- **Canteen** facility available on campus
- **Schedule**

<b>Daily</b>	Observing work at Integrated Hemoglobinopathies- Hemophilia Center, PGICH, Noida Visit to physiotherapy center
<b>Day 1</b>	Pre test Approach to anemias in children
<b>Day 2</b>	Approach to bleeding disorders Diagnosis of hemoglobinopathies and hemophilias
<b>Day 3</b>	Thalassemia blood transfusion guidelines Chelation therapy Bone marrow transplantation- when to refer
<b>Day 4</b>	Long term monitoring in thalassemia – Iron overload Investigations, Growth and nutrition
<b>Day 5</b>	Management of Hemophilia PRICE demonstration Factor- dose calculation, administration Prophylaxis vs on demand New agents for treating hemophilia
<b>Day 6</b>	Physiotherapy for Hemophilia – HJHS, FISH, PedHAL scoring Genetic counseling Managing IHCC– data, nursing, nutrition, counseling
<b>Day 7</b>	Shared care and opportunities Post Test and Certificate Distribution

For candidates who opt for longer courses, the syllabus will be suitably modified. Similar courses are available for lab technicians, data operators and nurses posted in Hemophilia and Thalassemia treatment centres. Those interested may contact the undersigned.

- **Contact person**

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### 3. Training for nurses in pediatric cancer care

- **Duration** – 4 weeks
- **Eligibility** – BSc/ MSc Nursing/ GNM
- **Objectives**
  1. To help capacity building of new nurses posted in pediatric cancer wards in India and abroad
  2. To develop an ongoing network between treatment centres to encourage education, research and clinical management
- **Fee:** Rs. 1,000/- (Fees can be paid on the day of joining)
- **Stay:** Hostel can be allotted by prior intimation
- **Canteen** facility available on campus
- **Schedule**

<b>Daily</b>	Observing work in Pediatric Hematology Oncology Ward, PGICH, Noida
<b>Week 1</b>	Pre test Introduction to pediatric cancer Global and Regional challenges to managing pediatric cancer –importance of nursing Types of pediatric cancer Treatment modalities available
<b>Week 2</b>	Chemotherapy- Preparation, administration, disposal Use of biosafety cabinet and PPE Procedures– Bone marrow aspiration, biopsy, Intrathecal therapy, PICC line insertion PICC line maintenance Sampling -dos and don'ts
<b>Week 3</b>	Early diagnosis in pediatric cancer; red flags Emergencies in pediatric cancer care Basics of managing pediatric cancer Multidisciplinary care- Intensive care, Radiotherapy, Pediatric surgery
<b>Week 4</b>	Blood transfusion guidelines, how to administer blood products Preventing infections – maintaining asepsis Nutrition in pediatric cancer Maintaining hygiene – daily counselling Pain and palliative care counselling Maintaining records – daily over, nursing sheets, registers
<b>Last day</b>	Frequently asked questions by patients and parents Shared care and opportunities Post Test and Certificate Distribution

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#### 4. Training for nurses in Hemophilia and Thalassemia care

- **Duration** – 1-2 weeks
- **Eligibility** – BSc/ MSc Nursing/ GNM
- **Objectives**
  1. To help capacity building of new nurses posted in Hemophilia and Thalassemia centers in India and abroad
  2. To develop an ongoing network between treatment centres to encourage education, research and clinical management
- **Fee:** Rs. 1,000/- (Fees can be paid on the day of joining)
- **Stay:** Hostel can be allotted by prior intimation
- **Canteen** facility available on campus
- **Schedule**

<b>Daily</b>	Observing work at Integrated Hemoglobinopathies- Hemophilia Center, PGICH, Noida Visit to physiotherapy center
<b>Day 1</b>	Pre test Approach to anemias in children Approach to bleeding disorders
<b>Day 2</b>	Diagnosis of hemoglobinopathies and hemophilias Sampling in children – dos and don'ts
<b>Day 3</b>	Thalassemia blood transfusion guidelines Chelation therapy
<b>Day 4</b>	Growth monitoring Nutritional counseling Long term monitoring in thalassemia – Iron overload
<b>Day 5</b>	Management of Hemophilia Factor- dose calculation, administration Prophylaxis vs On-demand New agents for treating haemophilia – how to administer
<b>Day 6</b>	PRICE demonstration Physiotherapy for Hemophilia – demonstration and counseling Genetic counseling Managing IHCC– data management
<b>Day 7</b>	Frequently asked questions by patients and parents Shared care and opportunities Post Test and Certificate Distribution

- **Contact person**

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