Training Programme
I H T C Fellow

Learning Modules (one every week)

Week 1:
THEME: Basics of Haemostasis and Laboratory diagnosis of Bleeding disorders

Lectures:
1. Physiology of haemostasis
2. Diagnosis of bleeding disorders (clinical signs and symptoms)
3. Diagnosis of bleeding disorders (laboratory aspects)
4. Patients with Haemophilia – How do they present and what are their clinical manifestations?
5. General aspects in management of bleeding disorders
6. Role of nurse coordinator in bleeding disorder management
7. Acquired haemophilia

Visit: To coagulation laboratory

Week 2:
THEME: MANAGEMENT OF ACUTE COMPLICATIONS

Lectures:
1. Principles of factor replacement in haemophilia – Prophylaxis models
2. Management of joint bleeding in patients with haemophilia
3. Management of bleeding (non-joint) in patients with haemophilia
4. Other products in management of hemostasis (DDAVP, fibrinolytics, others)
5. Surgery in haemophilia – what is the principle and how to undertake
6. Inhibitors in haemophilia – when to suspect, how to diagnose and how to manage.
7. Clinical case discussion

Visit: To Blood Bank

Week 3:
THEME: CHRONIC MUSCULOSKELETAL COMPLICATIONS OF HAEMOPHILIA

Lectures:
1. Role of physiotherapist / occupational therapist in management of chronic musculoskeletal complications in haemophilia
2. Fractures / fixed flexion deformities / Pseudotumors – how to diagnose and manage
3. Chronic synovitis and its management
4. How to document data and maintain registry
5. Outcome assessment in haemophilia
Visit: To rehabilitation institute

**Week 4:**

**THEME:** PRODUCTS FOR TREATMENT, GENETICS OF HAEMOPHILIA, OTHER BLEEDING DISORDERS

Lectures:
1. How to choose a product for treatment of haemophilia
2. Blood bank components – How are they produced and their role in management of bleeding disorder
3. Genetics of haemophilia and antenatal diagnosis
4. Viral infections in haemophilia and Transfusion transmitted diseases
5. Inherited platelet function disorders and rare coagulation disorders
6. Psychosocial aspects of haemophilia care
7. Recent advances in management of haemophilia

Visit: Molecular laboratory

Interaction with designated faculty in each week.

**Daily Schedule**

**AM: (every day)**

1. Assess patients with acute complications in haematology along with nurse coordinators and discuss with consultants
2. Get involved with counseling of patients with bleeding disorders

**PM: (every day)**

1. Longitudinal profile of patients undergoing treatment in PT and OT
2. Get involved with counseling of patients with bleeding disorders

**PM: (Tuesday and Friday)**

1. To interact with patients with haemoglobinopathy and bleeding disorders coming to haematology OPD.

**Other Responsibilities:**

1. To get involved with haemostasis consults from different wards along with person on call
2. To be involved in the management of patients with haemophilia or other bleeding disorders in wards who get admitted with acute or chronic complication.
3. To understand and get familiarized with principles of factor support in patients going for surgery
4. To observe yttrium synoviorthesis.
5. To get involved in antenatal diagnosis and career detection along with nurse coordinator.
6. Involved in a short project work related to bleeding disorder and to present the analysis at end of 4 weeks.
7. To present cases in joint haemophilia clinic every Thursday afternoon