

# **SUPPLEMENT I – HEMATOPATHOLOGY FELLOWSHIP EDUCATIONAL GOALS & OBJECTIVES**

## **General Educational Goals**

The purpose of the one year hematopathology (HP) fellowship at UCDMC is to provide excellent training in all aspects of hematopathology. The fellow is expected to assume primary responsibility for all aspects of the hematopathology service.

At the end of the 1-year HP fellowship, the successful candidate will be expected to:

### **1) Medical Knowledge**

- a) Serve as a competent and independent diagnostician and interpreter of all hematopathology specimens. In addition to satisfying the resident level diagnostic goals and objectives, the fellow is expected to develop high competence in the following:
  - i) Interpretation of and appropriate utilization of Bone marrow biopsies and aspirate smears.
  - ii) The interpretation of marrows should include integration of clinical information, flow cytometry, cytogenetics, and molecular data.  
Lymph node and other tissues histopathology.  
Flow cytometry.  
Basic and special coagulation studies.  
Protein electrophoresis.  
Hemoglobin analysis.  
Body fluid and peripheral smear review, synthesize/evaluate.

### **2) Practice Based Learning**

- a) Cytogenetics and molecular pathology studies.
- b) Develop an analytical approach to diagnoses which includes appropriate use of ancillary techniques such as cytochemical stains, immunohistochemistry, cytogenetics, and molecular pathology. In addition, the fellow must be able to recognize his/her limitations and ask for appropriate consultations.

### **3) Systems Based Practice**

- a) Teach medical students, residents, pathologists, technologists, hematology/oncology clinical fellows, and other clinicians.
- b) Participation in a research project leading to publication in a peer reviewed journal is strongly encouraged. Research funding is available by application to the Department of Pathology Advisory Research Committee (ARC).
- c) The fellow will be expected to attend all Departmental Conferences with mandatory attendance, including: Pathology Grand Rounds (first and third Monday of each month), monthly resident presentations, second Wednesday of each month Director's Resident

Meetings, yearly Pathology invited speaker conferences (Stowell, Vogt and Highman lectureships), and any special recruitment seminars.

- d) Attend the weekly clinical hematology/oncology rounds (“Mega-rounds”, Tuesdays – 7:30 – 9 am).
- e) Provide 4 mini lectures (30 minutes) to laboratory staff
  - i) Hematology
  - ii) Immunology/flow cytometry
- f) Develop administrative skills to effectively manage a hematopathology service
  - i) The fellow is expected to participate in daily operational issues on the hematopathology service. Questions regarding these issues will be primary directed to the fellow, as appropriate.
  - ii) Attend all hematopathology service operations meetings including monthly administrative hematology/coagulation meetings, monthly flow cytometry/immunology meetings, and Hematopathology faculty meetings.

#### **4) Patient Care**

- a) Performance of bone marrow aspirates and biopsies.  
Preparation of reports with integration of all available data to make a concise and meaningful diagnosis.

#### **5) Interpersonal Communication Skills**

- a) Attend and present hematopathology cases at adult hematology tumor boards.
- b) Serve as a consultant to health care providers.
- c) Must be able to effectively communicate results with clinicians.
- d) Must be able to discuss cases and present pathology cases in a conference setting.

#### **6) Professionalism**

- a) Attend and present hematopathology cases at adult hematology tumor boards.
- b) Serve as a consultant to health care providers.
- c) Must be able to effectively communicate results with clinicians.
- d) Must be able to discuss cases and present pathology cases in a conference setting.