

**Hamdard Institute of Medical Sciences and Research**  
**Medical Education Unit**

**Electives**

1	Name of the Electives	Haematology
2	Block	I
3	Department /Area	Pathology/ Clinical Pathology
4	Name of the Mentor/ Supervisor/ Incharge	Prof Zeeba Jairajpuri
5	Co Supervisor/s	Dr Shaan Khetrapal
6	No. of students' intake	2
	Method of selection (if applicable)	Interview to assess interest and basic knowledge
7	Objectives	<ol style="list-style-type: none"> <li>1. To provide the students with an exposure to basic haematological processes in Haematology section of Pathology Dept.</li> <li>2. To enable the student to actively participate in Haematology services and gain knowledge in automated haematology processes and their utility in the functioning of the haematology section.</li> <li>3. To interpret laboratory findings in evaluation of patients with common hematological disorders like anemia, coagulation disorders and haematological malignancies</li> <li>4. Elaborate a differential diagnosis and strategy for evaluation of common hematological abnormalities.</li> <li>5. The student will gather pertinent clinical history on assigned cases and review the slides with the resident rotating in the hematopathology service.</li> <li>6. To learn functioning of High-performance liquid chromatography (HPLC), interpretation of results and clinical implication.</li> <li>7. To enable participation in bone marrow procedure.</li> </ol>

		8. To understand the principles of Quality control in the Haematology section.
8	Expected outcomes	The student will learn how to approach and evaluate some of the typical haematological diseases common in tropical countries include anemia secondary to parasitemia, B12 deficiency and hemolytic anaemias, haematological complications of Malaria, Dengue and HIV infection and some typical haematological-oncological diseases taking into account clinical history and disease mechanisms.
9	Assessment	An evaluation is completed by the faculty who directly worked with the student in the form of <ul style="list-style-type: none"> <li>• Case presentation.</li> <li>• Professionalism</li> <li>• Attendance</li> </ul>
10	Log book	Regular logbook entry of the daily activities