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| <u>Title of Clerkship:</u> | Hematology/Oncology – Toledo Clinic | | | | | | | | | | | | | | | | | | |
| <u>Elective Type:</u> | Third Year Elective (See Prerequisites) | | | | | | | | | | | | | | | | | | |
| <u>Department:</u> | Internal Medicine | | | | | | | | | | | | | | | | | | |
| <u>Clerkship Site:</u> | The Toledo Clinic | | | | | | | | | | | | | | | | | | |
| <u>Course Number:</u> | MEDI760 | | | | | | | | | | | | | | | | | | |
| <u>Blocks Available:</u> | All | | | | | | | | | | | | | | | | | | |
| <u># of students/block</u> | 1 | | | | | | | | | | | | | | | | | | |
| <u>Faculty:</u> | Various faculty | | | | | | | | | | | | | | | | | | |
| <u>Elective Description/ Requirements:</u> | This elective is designed to provide the student with an opportunity to gain the knowledge, skills and attitudes required to diagnose and manage hematologic and oncologic disorders through the evaluation of patients. Students will complete supervised histories and physicals, diagnostic plans, differential diagnoses and follow-up plans. | | | | | | | | | | | | | | | | | | |
| <u>Length of Clerkship:</u> | 4 weeks | | | | | | | | | | | | | | | | | | |
| <u>Links to EPOs:</u> | <p><u>Educational Course Objectives:</u> After completing the Hematology/Oncology clerkship, the student will be able to define and describe the following:</p> <table> <tr> <td>K5</td><td>1. Laboratory Procedures (blood smears, typing and crossmatching blood, tests of hemostasis, principles of flow cytometry and basic principles of DNA testing).</td></tr> <tr> <td>K3, K5</td><td>2. Common causes of anemia, thrombocytopenia, bleeding disorders and thrombophilic states.</td></tr> <tr> <td>K3, K5</td><td>3. Common manifestations of colon, breast, prostate and lymphatic cancers.</td></tr> <tr> <td>K9, K10, S2</td><td>4. Approach to end of life care and palliative care of pain.</td></tr> <tr> <td>S8, K6</td><td>5. Indications and pharmacology of common chemotherapeutic drugs.</td></tr> <tr> <td>S11, K8</td><td>6. Use of literature searches and evidence-based medicine in Hematology/Oncology.</td></tr> <tr> <td>K10</td><td>7. Application of cancer genetics in Hematology/Oncology.</td></tr> <tr> <td>K5, S8</td><td>8. Management of oncologic emergencies such as tumor lysis syndrome and hypercalcemia.</td></tr> <tr> <td>K5</td><td>9. Terminology including remission, adjuvant and neoadjuvant.</td></tr> </table> | K5 | 1. Laboratory Procedures (blood smears, typing and crossmatching blood, tests of hemostasis, principles of flow cytometry and basic principles of DNA testing). | K3, K5 | 2. Common causes of anemia, thrombocytopenia, bleeding disorders and thrombophilic states. | K3, K5 | 3. Common manifestations of colon, breast, prostate and lymphatic cancers. | K9, K10, S2 | 4. Approach to end of life care and palliative care of pain. | S8, K6 | 5. Indications and pharmacology of common chemotherapeutic drugs. | S11, K8 | 6. Use of literature searches and evidence-based medicine in Hematology/Oncology. | K10 | 7. Application of cancer genetics in Hematology/Oncology. | K5, S8 | 8. Management of oncologic emergencies such as tumor lysis syndrome and hypercalcemia. | K5 | 9. Terminology including remission, adjuvant and neoadjuvant. |
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| K10 | 7. Application of cancer genetics in Hematology/Oncology. | | | | | | | | | | | | | | | | | | |
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| K5 | 9. Terminology including remission, adjuvant and neoadjuvant. | | | | | | | | | | | | | | | | | | |
| <u>Professionalism:</u> | UTCOM students will meet or exceed the institutional standards for professionalism as stated in the current Educational Program Objectives for the sponsoring department. | | | | | | | | | | | | | | | | | | |
| <u>Instructional Methods:</u> | <ol style="list-style-type: none"> 1. Case write-ups 2. Clinical case presentations and discussions 3. Independent study | | | | | | | | | | | | | | | | | | |

Instructional Methods: 4. Lecture
(Continued) 5. Small group discussion
6. Mentored clinical practice

Evaluation Methods: 1. Attendance
2. Case presentations
3. Case write-ups
4. Faculty and resident observation

Prerequisites: Successful completion of required Internal Medicine Clerkship.

Clerkship Director: Christopher Lynn, M.D.

Clerkship Coordinator: Melissa Hansen
419-383-5022

Special Requirements: None

AAMC Hot Topics: #9 End of Life
#11 Evidence-based medicine
#12 Medical genetics
#30 Palliative care