

Name of rotation: Occupational Medicine **Division:** General Internal Medicine

Course Director: Melissa McDiarmid, M.D., M.P.H. **Site(s):** FPO, Multiple

Duration of rotation: [] one month only
[x] 2 weeks possible (No vacation during that time)

General description of the rotation including educational purpose, rationale or value:

Opportunities are available through an elective in Occupational Medicine with Drs. Melissa McDiarmid and Carrie Dorsey in the Division of General Internal Medicine. This elective involves the initial management and on-going care of patients with occupational illnesses or environmental exposures. Residents may make visits to industrial work sites to learn the process of an industrial site inspection. The principles are also reviewed in a variety of conferences including the Ambulatory Care Seminars and Morning Report.

Resident responsibilities, including interns and residents:

During electives, residents are responsible to participate in the assigned clinical activities including outpatient sessions and field trips, and the didactic and seminar sessions. Residents will participate in on-going projects related to the implementation and administration of medical surveillance programs for a variety of worker populations.

Educational Objectives: An expanded version of the competencies is listed under Core Competencies in Internal Medicine. Those listed here are specific to this rotation. Since residents may choose this elective during any year of training, PGY-1 goals and objectives are distinct for those for upper level residents, and PGY-2 and 3 goals and objectives are similar.

During this rotation, the PGY-1 resident will:

Patient Care

1. Discuss principles of occupational and environmental history taking.

Medical Knowledge

1. Enlarge the differential diagnosis of a problem to include occupational or environmental causes.

Practice-Based Learning - See Core Competencies

Interpersonal and Communication Skills – See Core Competencies

Professionalism – See Core Competencies

System-Based Practice – See Core Competencies

1. Learn how federal organizations, such as OSHA, affect the work place.
2. Develop skills in investigating a potential environmental insult or hazard, including specialized database searches.
3. Discuss the interplay between the patient's care and the legal, social work and insurance industries.

During this rotation, the PGY-2 or 3 resident will:

Patient Care

1. Conduct thorough occupational and environmental history in an independent manner with demonstration of understanding of underlying principles.

Medical Knowledge

1. List comprehensive differential diagnosis of a problem with emphasis on occupational or environmental causes.

Practice-Based Learning - See Core Competencies

Interpersonal and Communication Skills – See Core Competencies

Professionalism – See Core Competencies

System-Based Practice – See Core Competencies

1. Learn how federal organizations, such as OSHA, affect the work place.
2. Investigate potential environmental insult or hazard, including specialized database searches and prepare written report of findings.
3. Discuss the interplay between the patient's care and the legal, social work and insurance industries.

Check all principle teaching methods used during this rotation:

- | | | | |
|-------------------------------------|--------------------------------------|-------------------------------------|---|
| <input checked="" type="checkbox"/> | Attending teaching rounds | <input checked="" type="checkbox"/> | Interdisciplinary rounds |
| <input checked="" type="checkbox"/> | Patient management discussions | <input checked="" type="checkbox"/> | Small group discussions |
| <input checked="" type="checkbox"/> | Conferences specific to rotation | <input checked="" type="checkbox"/> | Bedside clinical rounds |
| <input checked="" type="checkbox"/> | Individual instruction of procedures | <input checked="" type="checkbox"/> | Review of diagnostic studies, including radiology |
| <input type="checkbox"/> | Other: _____ | | |

Describe the most important educational content, including the mix of diseases, patient characteristics, types of clinical encounters, procedures and services:

Residents evaluate patients with exposures to a variety of elements, such as lead and other heavy metals, chemical solvents and aerosolized vapors.

Check the principal ancillary education materials used:

- | | | | |
|-------------------------------------|-----------------------------|-------------------------------------|------------------------------|
| <input checked="" type="checkbox"/> | Reading lists | <input type="checkbox"/> | Pathologic material |
| <input checked="" type="checkbox"/> | Radiologic studies | <input checked="" type="checkbox"/> | Other noninvasive studies |
| <input checked="" type="checkbox"/> | Handouts on relevant topics | <input checked="" type="checkbox"/> | Articles from the literature |
| <input type="checkbox"/> | Other: _____ | <input checked="" type="checkbox"/> | Case studies |

Methods used to evaluate the resident and the rotation:

- | | |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | Evaluation of residency performance and professionalism |
| <input checked="" type="checkbox"/> | Evaluation of attending teaching skills and other attributes |
| <input checked="" type="checkbox"/> | Rotation assessment by resident |
| <input checked="" type="checkbox"/> | Observation of resident's clinical competency |
| <input type="checkbox"/> | Observation of resident's leadership and teaching skills |
| <input checked="" type="checkbox"/> | Review of the resident's history/physical exam, progress notes and documentation of procedures in the chart |
| <input checked="" type="checkbox"/> | Resident's attendance of rounds and conferences monitored |
| <input type="checkbox"/> | Other: _____ |

Identify strengths and limitations specific to the resources of the sponsoring institution:

Strengths include the clinical and research expertise of the two attendings involved in the field of occupational medicine. Both have strong backgrounds, making them invaluable to training residents in this field. Because of their expertise, they draw patients from throughout the city and region for evaluation, management and treatment of their occupational illnesses. Their expert opinions are also sought by several Federal agencies, with these cases further enriching the residents' learning experience.

Conferences or Attending/Patient Care Rounds: (Journal club, division rounds, etc.)
Seminars in Occupational Medicine

The resident and faculty members of the Postgraduate Education Committee reviewed and edited the content of this curriculum at its meeting on 7/18/07. Updated February 2009.