

Occupational Medicine

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

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

Resident responsibilities:

During electives, residents are responsible to participate in the assigned clinical activities, including outpatient sessions and field trips, and the didactic and seminar sessions.

Educational Objectives: During this training, the PGY-2 resident will:

1. Learn the principles of occupational medicine and environmental health.
2. Learn how federal organizations, such as OSHA, affect the work place.
3. Begin to develop skills in investigating a potential environmental insult or hazard.
4. Understand the interplay between the patient's care and the legal, social work and insurance industries.

Check all principle teaching methods used during this training:

- | | | | |
|-------------------------------------|--------------------------------------|-------------------------------------|---|
| <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 the rotation | <input checked="" type="checkbox"/> | Bedside clinical rounds |
| <input type="checkbox"/> | Individual instruction of procedures | <input checked="" type="checkbox"/> | Review of diagnostic studies |
| <input type="checkbox"/> | Other: _____ | <input checked="" type="checkbox"/> | Review of diagnostic studies, including radiology |

Describe the most important educational content, including the mix of disease, 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. During the pulmonary elective, residents evaluate patients with pulmonary symptoms, e.g. shortness of breath and bronchospasm, potentially related to the workplace or other environmental hazards.

Check the principal ancillary educational materials used:

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|-------------------------------------|-----------------------------|-------------------------------------|------------------------------|
| <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 residents and the rotation:

- | | |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | Evaluation of residency performance |
| <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.

Conferences or attending/Patient Care Rounds:

Pulmonary conference

Seminars in Occupational Medicine