

Medical Informatics and Decision-Making Skills

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

With knowledge expanding at a rapid pace, residents require training in assessing and utilizing this information. Residents learn basic techniques for electronic retrieval of the medical literature, computer-assisted medical instruction and electronic information networks throughout their training. During orientation, residents learn how to access the Health Sciences Library's Ovid retrieval system that gives them the ability to search Medline and download articles. Up-to-Date is available on all computers at all inpatient and ambulatory sites. Through their day-to-day clinical activities, residents retrieve patient information, including lab studies and discharge summaries, and order medications and various studies through the hospital computer system. Residents receive training in all these systems during orientation. Senior residents receive on-on-one tutoring in Power Point slide presentation for their Senior Conference. Principles of epidemiology are reviewed in the Critical Appraisal of the Literature curriculum.

Resident responsibilities:

Residents are required to attend all pertinent sessions during orientation or Morning Report. Other responsibilities are detailed in the Critical Appraisal curriculum.

Educational Objectives:

PGY-1 resident will:

1. Be introduced to the principles and skills of computer-based knowledge management in their clinical practice.
2. Access patient information and order tests and medications in an efficient manner.
3. Work cooperatively with library services.
4. Utilize computer systems effectively and efficiently at all inpatient and ambulatory sites.

PGY-2 resident will:

1. Continue the process of gaining skills for life-long learning.

PGY-3 resident will:

1. Manage this information, when necessary (Senior talk), in slide presentation, chart or database format.

Check all principle teaching methods used during this training:

- | | | | |
|-------------------------------------|--------------------------------------|-------------------------------------|---|
| <input type="checkbox"/> | Attending teaching rounds | <input 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 type="checkbox"/> | Bedside clinical rounds |
| <input type="checkbox"/> | Individual instruction of procedures | <input type="checkbox"/> | Review of diagnostic studies |
| <input type="checkbox"/> | Other: _____ | <input 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:

Not applicable.

Check the principal ancillary educational materials used:

- | | | | |
|-------------------------------------|-----------------------------|-------------------------------------|------------------------------|
| <input checked="" type="checkbox"/> | Reading lists | <input type="checkbox"/> | Pathologic material |
| <input type="checkbox"/> | Radiologic studies | <input 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 type="checkbox"/> | Case studies |

Methods used to evaluate the residents and the rotation:

- | | |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | Evaluation of residency performance |
| <input type="checkbox"/> | Evaluation of attending teaching skills and other attributes |
| <input checked="" type="checkbox"/> | Rotation assessment by resident |
| <input type="checkbox"/> | Observation of resident's clinical competency |
| <input type="checkbox"/> | Observation of resident's leadership and teaching skills |
| <input 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:
Not applicable.

Conferences or attending/Patient Care Rounds:
Resident Orientation sessions
Morning Report and other conferences.