

Henry Ford Health – Macomb Campus Electives

Contents

Emergency Medicine.....	2
Family Medicine	3
General Surgery.....	4
Internal Medicine.....	5
OBGYN.....	6
Orthopedic Surgery	8
ENT (Otolaryngology)	9

Emergency Medicine

Duration: 4 weeks

Location: Henry Ford Macomb Hospital

Period Offered: July – December

Distribution of Student's Time:

- % 90 patient care
- % 10 didactics

Enrollment/Period (how often you can take): 2 times maximum with preapproval required

Prerequisite(s): Year IV

Rotation Objectives:

- Enhance knowledge and skills pertaining to interviewing, physical examination, patient interactions, interpretation of data, clinical judgment, and procedures in an emergent and critical care environment.
- Understand administrative and medicolegal issues impacting emergency medicine.
- Take an accurate, focused history and physical in the acute care setting.
- Demonstrate the ability to formulate treatment plans and manage the acutely ill patient.
- Work as part of a team in the acute care setting.
- Demonstrate basic interpretations of imaging, lab results, and other ancillary studies.

Evaluation:

- Quality of care given
- Participation in team care
- Participation and performance in didactics
- Level of knowledge

Methods to be Used in Student Evaluation:

- Observation of performance by faculty, residents, and house officers
- Assessment of presentation
- Assessment of write-ups/reports

Description:

This rotation is designed to introduce the student to the field of Emergency Medicine. The student assumes primary care for Emergency Department patients under the supervision of residents. The students perform the initial history and physical exam, develop and discuss a diagnostic and therapeutic plan and perform any procedures needed to implement these plans. Assessment and management of critically ill patients occurs with the supervising resident's evaluation of the patient. Students participate in medical and surgical resuscitation.

Family Medicine

Duration: 4 weeks

Location: Seville Family Medical Center, Henry Ford Macomb Hospital

Period Offered: August – December

Distribution of Student's Time:

- % 90 patient care
- % 10 didactics

Enrollment/Period (how often you can take): 2 times maximum with preapproval required

Prerequisite(s): Year IV

Rotation Objectives:

- Demonstration of OMT structural examination and treatment.
- Focus on preventative medicine including routine health maintenance, cancer screenings, and vaccination schedules.
- Demonstrate the ability to obtain a comprehensive history and physical examination.
- Explain the indications and interpretation of routine laboratory tests and procedures.
- Recommend appropriate cost-effective diagnostic tests in the era of cost containment.
- Demonstrate clinical reasoning, assessment, and planning skills appropriate for level of training.
- Apply knowledge of relevant health screening and disease prevention guidelines in formulating the plan of care.

Evaluation:

- Quality of care given
- Participation in team care
- Participation and performance in didactics
- Level of knowledge

Methods to be Used in Student Evaluation:

- Observation of performance by faculty, residents, and house officers
- Assessment of presentation
- Assessment of write-ups/reports

Description:

This rotation is designed to introduce students to the field of Family medicine. The student will begin to demonstrate management of a full range of health issues. They will work the residents and attending physicians to provide care to both adults and children. **Please note that the family medicine program at Henry Ford Macomb has osteopathic recognition. Any MD who wants to apply needs to demonstrate training in osteopathic treatments, principles, and practices.**

General Surgery

Duration: 4 weeks

Location: Henry Ford Macomb Hospital

Period Offered: July – December

Distribution of Student's Time:

- 80 % Surgical patient care
- 10 % Non-surgical patient care
- 10 % Didactics

Enrollment/Period (how often you can take): 2 times maximum with preapproval required

Prerequisite(s): Year IV

Rotation Objectives:

- Observe and participate in the evaluation, intra-operative, pre-operative and post-operative management of surgical patients.
- Demonstrate the ability to appropriately evaluate in post-operative care management of patients.
- Demonstrate the ability to perform and record a structural examination on a surgical patient and document such using acceptable terminology.
- Interact with patients and their families in a respectful, sensitive, and ethical manner.
- Interact with members of the team, patient care unites and ambulatory clinical personnel in a respectful, responsible, and professional manner.

Evaluation:

- Quality of care given
- Participation in team care
- Participation and performance in didactics
- Level of knowledge

Methods to be Used in Student Evaluation:

- Observation of performance by faculty, residents, and house officers
- Assessment of presentation
- Assessment of write-ups/reports

Description:

The Program provides clinical learning and experience in the pre-operative, operative and post-operative learning and surgical experience for patients with all diseases which fall within the scope of practice of general surgery including:

- Skin and soft tissue
- Diseases of the head, neck and endocrine system
- Diseases of the gastrointestinal tract and other abdominal viscera
- Diseases of the breast
- Diseases of the abdominal wall
- Thoracic surgery and diseases of the vascular system
- Trauma, emergency surgery, surgical critical care
- Endoscopy

Internal Medicine

Duration: 4 weeks

Location: Ford Macomb Hospital

Period Offered: August – December

Distribution of Student's Time:

- % 90 patient care
- % 10 didactics

Enrollment/Period (how often you can take): 2 times maximum with preapproval required

Prerequisite(s): Year IV

Rotation Objectives:

- History Taking: Obtain an accurate, efficient, appropriate and thorough history.
- Physical Exam: Perform and interpret findings of a complete and organ-specific exam.
- Diagnostic Evaluation: Interpret data from laboratories and radiology demonstrating knowledge of pathophysiology and evidence from the literature.
- Diagnosis: Articulate a cogent, prioritized differential diagnosis based on initial history and exam.
- Management: Design a management strategy for life threatening, acute, and chronic conditions demonstrating knowledge of pathophysiology and evidence from the literature.
- Procedures: Perform or assist in performing routine technical procedures.
- Communication: Presenting patient information concisely, accurately and in timely fashion to members of a health care team in a variety of settings and formats including verbally and in writing.
- Cultural Competence: Understanding of the disease with respect to the cultural, socioeconomic, gender and age-related context of the patient.
- Professionalism: This rotation will emphasize aspects of professionalism related to interaction with patient, colleagues and staff.

Evaluation:

- Quality of care given
- Participation in team care
- Participation and performance in didactics
- Level of knowledge
- Level of skills

Methods to be Used in Student Evaluation:

- Observation of performance by faculty, residents, and house officers
- Assessment of presentation and write ups/reports

Description:

This rotation is a further introduction to internal medicine. It is a balance of clinical encounters, didactic sessions and reading assignments. This blend will provide you with a strong foundation in your approach to internal medicine. Students will rotate as a part of the medical team, and work primarily with intern/resident physicians as part of the team caring for patients. Students may be expected to write history and physicals on new admits and daily progress notes.

OBGYN

Duration: 4 weeks

Location: Henry Ford Macomb Hospital

Period Offered: July – December

Distribution of Student's Time:

- 60 % Surgical patient care
- 30 % Non-surgical patient care
- 10 % Didactics

Enrollment/Period (how often you can take): 2 times maximum with preapproval required

Prerequisite(s): Year IV

Rotation Objectives:

- Increase skill in performing complete breast and pelvic exams, and recognizing the significance of abnormal findings.
- Obtain targeted OB/GYN histories.
- Perform a routine gynecologic exam including breast exam, speculum exam, pap smear, cervical cultures and bimanual exam.
- Identify pelvic anatomic structures during operative cases.
- Demonstrate the ability perform a vaginal delivery on a real or simulated patient.
- Demonstrate an understanding of basic gynecologic procedures.
- Demonstrate the ability to suture and tie surgical knots.
- Be willing and able to assist in the following:
 - Delivery
 - Episiotomy repair
 - IV start
 - Insertion of catheter
 - Observe amniotomy
 - Pelvic examination under anesthesia
 - Closure of incision
 - Wet mount examination

Evaluation:

- Quality of care given
- Participation in team care
- Participation and performance in didactics
- Level of knowledge
- Level of skills

Methods to be Used in Student Evaluation:

- Observation of performance by faculty, residents, and house officers
- Assessment of presentation
- Assessment of write-ups/reports

Description:

The purpose of the OBGYN rotation is to give students an introduction to comprehensive didactic and clinical experience in the field. This includes the management of the female

reproductive process; diseases and disorders of the female reproductive system; post reproductive disorders and the primary and preventative health care for women. **Please note that the OBGYN program at Henry Ford Macomb has osteopathic recognition. Any MD who wants to apply needs to demonstrate training in osteopathic treatments, principles, and practices.**

Orthopedic Surgery

Duration: 4 weeks

Location: Henry Ford Macomb Hospital

Period Offered: July – December

Distribution of Student's Time:

- 80 % Surgical patient care
- 10 % Non-surgical patient care
- 10 % Didactics

Enrollment/Period (how often you can take): 2 times maximum with preapproval required

Prerequisite(s): Year IV

Rotation Objectives:

- Increase student knowledge of orthopedic diagnosis and treatment.
- Observe and participate in the evaluation, intra-operative, pre-operative and post operative management of patients requiring surgery.
- Demonstrate the ability to appropriately evaluate in post-operative care management of patients.
- Demonstrate the ability to perform and record an osteopathic structural examination on a surgical patient and document such using acceptable osteopathic terminology.
- Perform a basic orthopedic focused history and a basic physical examination of the spine, shoulder, elbow, wrist, hand, hip, knee, ankle, and foot.
- Discuss different types of fractures.
- Students should become familiar with different fracture fixation techniques including cast immobilization, reduction, internal fixation, external fixation, and traction.
- Students should be able to demonstrate the ability to use proper extremity injury immobilization techniques including proper padding techniques, proper selection of immobilizing materials, proper position of the extremity while immobilized.

Evaluation:

- Quality of care given
- Participation in team care
- Participation and performance in didactics
- Level of knowledge
- Level of skills

Methods to be Used in Student Evaluation:

- Observation of performance by faculty, residents, and house officers
- Assessment of presentation
- Assessment of write-ups/reports

Description:

The purpose of the rotation is to give students exposure in the field of orthopedic surgery. The service will provide exposure to a wide variety of orthopedic surgical topics and procedures. This will include practical clinical exposure, lectures, readings, labs, and journal clubs.

ENT (Otolaryngology)

Duration: 2 or 4 weeks

Location: Henry Ford Macomb Hospital

Period Offered: July – December

Distribution of Student's Time:

- 70 % Surgical patient care
- 20 % Non-surgical patient care
- 10 % Didactics

Enrollment/Period (how often you can take): 2 times maximum with preapproval required

Prerequisite(s): Year IV

Rotation Objectives:

- Enhance knowledge and skills pertaining to interviewing, physical examination, or patient interactions, interpretation of data, clinical judgment and procedures (i.e., therapy and advice to patients).
- Understand the HPI (including imaging results).
- Ability to recognize relevant social, family, past medical, and past surgical history.
- Demonstrate the skills necessary to perform a thorough head and neck examination.
- Demonstrate the foundation of knowledge of medical conditions involving the ears, nose, neck, and upper aero digestive tract necessary for the practice of otolaryngology.

Evaluation:

- Quality of care given
- Participation in team care
- Participation and performance in didactics
- Level of knowledge
- Level of skills

Methods to be Used in Student Evaluation:

- Observation of performance by faculty, residents, and house officers
- Assessment of presentation
- Assessment of write-ups/reports

Description:

The rotation in Otolaryngology is an opportunity to learn the techniques of thorough examination of the head and neck. Students manage outpatient problems under direct supervision of the senior staff physicians. Inpatient, outpatient, research and operative exposures suit students' individual interests. Continuously updated lectures and exposures include neck masses, head and neck cancer, airway obstruction, facial trauma, ear disease and sinus disease. Students are taught otolaryngologic concepts both in the operating room and in clinical outpatient areas.