

M3 Clerkship Objectives

NEOMED's College of Medicine Educational Program Objectives (COM EPO)

1. Patient Care

- 1.1. Obtain a thorough and accurate patient-centered medical and psychosocial history.
- 1.2. Perform an appropriately focused physical exam, recognizing and documenting important normal and abnormal findings.
- 1.3. Develop a differential diagnosis around presenting problems and prioritize further diagnostic testing.
- 1.4. Develop an effective treatment and/or wellness management plan, taking into account patient needs.

2. Knowledge for Practice

- 2.1. Apply knowledge of biomedical, clinical, epidemiological and social-behavioral sciences to address preventive care, diagnosis, and management of medical problems.
- 2.2. Contribute to the creation, dissemination, and/or application of evolving knowledge through scholarly activity.
- 2.3. Demonstrate knowledge of scientific principles and mechanisms that regulate normal and abnormal processes underlying patient health.

3. Practice-Based Learning and Improvement

- 3.1. Critically evaluate appropriate scientific studies to improve patient care.
- 3.2. Use quality improvement methods to define, measure, analyze, and implement effective changes for practice improvement.

4. Interpersonal and Communication Skills

- 4.1. Identify and address potential barriers to communication with patients, families, and colleagues, including linguistic, educational, and cultural diversity, the psychosocial determinants of health, and patient/family preferences.
- 4.2. Engage in empathetic, honest, and bi-directional communication with patients and families to enable better understanding, participation and shared decision-making in care.
- 4.3. Maintain patient engagement and attentiveness while integrating technology into the clinical encounter.

5. Professionalism

- 5.1. Demonstrate personal integrity by displaying consideration, compassion, and honesty with colleagues, patients and their families.
- 5.2. Fulfill commitments to one's own profession by demonstrating punctuality, accountability, respectful self-presentation, and behavior in both clinical and academic environments.
- 5.3. Demonstrate ethical behavior by respecting patient autonomy, privacy, and dignity.

6. Systems-Based Practice

- 6.1. Demonstrate knowledge of the U.S. health care system and political, cultural, economic, and social factors impacting the health and well-being of patients.
- 6.2. Coordinate and advocate for a variety of resources (including community resources) to assist patients in accessing high-value, quality care.

7. Interprofessional Collaboration

- 7.1. Communicate clearly, respectfully, and completely with the interprofessional health care team in both written and verbal forms to exchange information and to minimize medical errors.
- 7.2. Collaborate effectively to provide a team-based approach to efficient, safe, and equitable patient care.

- 7.3. Demonstrate an understanding of team dynamics and leadership skills that support and enhance interprofessional collaboration and team functioning.

8. Personal and Professional Development

- 8.1. Identify learning goals and seek feedback that supports ongoing professional development.
- 8.2. Demonstrate professional development through engagement and self-reflection.
- 8.3. Identify personal wellness goals that support ongoing personal development.

Emergency Medicine

By the end of the Clerkship, students will:

| Clerkship Objectives | Alignment to COM EPOs |
|---|-----------------------|
| 1. Gather patient information in a hypothesis-directed manner and perform an accurate physical examination for those patients presenting with traumatic injury, acute infections, cardiovascular or respiratory illness. | 1.1, 1.2 |
| 2. Develop a prioritized differential diagnosis for the undifferentiated and acutely ill patients with recommended diagnostic testing for those patients presenting with injury, mental status changes, respiratory distress, abdominal pain or chest pain. | 1.3 |
| 3. Generate an assessment and management plan and reasoning for the plan based on immediate life threats and whether not the patient is a stable vs non-stable patient. | 1.4 |
| 4. Apply medical knowledge of clinical disorders to patient evaluations, specifically disorders related to trauma injury, stroke, cardiovascular disease and pulmonary disorders. | 2.1 |
| 5. Apply knowledge of evidence-based medicine to answer patient care related questions. | 3.1 |
| 6. Demonstrate empathetic, honest, and bi-directional communication with patients and families. | 4.2 |
| 7. Demonstrate clear, effective, and complete communication with the interprofessional health care team in both written and verbal forms. | 7.1 |
| 8. Fulfill one's professional obligations by: displaying professional behavior and demonstrating a commitment to ethical principles (e.g., respecting patient autonomy and responding to patient needs that supersede self-interest). | 5.1, 5.2, 5.3 |
| 9. Formulate individual learning goals based on personal strengths and limitations, respond appropriately to feedback and seek help when needed. | 8.1 |
| 10. Identify and address potential barriers to communication with patients, families, and colleagues, including linguistic, educational, and cultural diversity, the psychosocial determinants of health, and patient/family preferences. | 4.1 |

Family Medicine

By the end of the Clerkship, students will:

| Clerkship Objectives | Alignment to COM EPOs |
|---|-----------------------|
| 1. Gather patient information in a hypothesis-directed manner and perform an accurate physical examination, in the care of patients presenting the acute, chronic, or preventive care needs such as low back pain, hypertension and depression. | 1.1, 1.2 |
| 2. Develop a differential diagnosis with appropriate prioritization and recommended diagnostic testing for patients presenting with symptoms such as chest pain, cough, and fatigue. | 1.3 |
| 3. Generate an assessment and management plan and reasoning for the plan for patients presenting with acute, chronic, or preventive care needs such as upper respiratory tract symptoms and abdominal pain, and well care. | 1.4 |
| 4. Apply medical knowledge of clinical disorders to patient evaluations, specifically disorders related to chronic pain syndrome and anxiety. | 2.1 |
| 5. Apply knowledge of evidence-based medicine to answer patient care related questions, especially those commonly seen in the outpatient setting. | 3.1 |
| 6. Demonstrate empathetic, honest, and bi-directional communication with patients and families. | 4.2 |
| 7. Demonstrate clear, effective, and complete communication with the interprofessional health care team in both written and verbal forms, including the delivery of an outpatient patient presentation in a clear and organized manner. | 7.1 |
| 8. Fulfill one's professional obligations by displaying professional behavior and demonstrating a commitment to ethical principles (e.g., respecting patient autonomy and responding to patient needs that supersede self-interest.) | 5.1, 5.2, 5.3 |
| 9. Formulate individual learning goals based on personal strengths and limitations, respond appropriately to feedback and seek help when needed. | 8.1 |
| 10. Identify and address potential barriers to communication with patients, families, and colleagues, including linguistic, educational, and cultural diversity, the psychosocial determinants of health, and patient/family preferences. | 4.1 |

Internal Medicine

By the end of the Clerkship, students will:

| Clerkship Objectives | Alignment to COM EPOs |
|--|-----------------------|
| 1. Gather patient information in a hypothesis-directed manner and perform an accurate physical examination for those patients presenting with acute, chronic, or preventative care needs such as COPD, heart failure, infection, malignancy. | 1.1, 1.2 |
| 2. Develop a differential diagnosis with appropriate prioritization and recommended diagnostic testing for patients presenting with symptoms such as chest pain, shortness of breath and neurologic deficits. | 1.3 |
| 3. Generate an assessment and management plan and reasoning for the plan for patients presenting with acute, chronic, or preventative care needs such as diabetes, hypertension, COPD, and congestive heart failure. | 1.4 |
| 4. Apply medical knowledge of clinical disorders to patient evaluations, specifically disorders related to thrombosis, acute coronary syndrome, and kidney injury. | 2.1 |
| 5. Apply knowledge of evidence-based medicine to answer patient care related questions. | 3.1 |
| 6. Demonstrate empathetic, honest, and bi-directional communication with patients and families. | 4.2 |
| 7. Demonstrate clear, effective, and complete communication with the interprofessional health care team in both written and verbal forms. | 7.1 |
| 8. Fulfill one's professional obligations by displaying professional behavior and demonstrating a commitment to ethical principles (e.g., respecting patient autonomy and responding to patient needs that supersede self-interest). | 5.1, 5.2, 5.3 |
| 9. Formulate individual learning goals based on personal strengths and limitations, respond appropriately to feedback and seek help when needed. | 8.1 |
| 10. Identify and address potential barriers to communication with patients, families, and colleagues, including linguistic, educational, and cultural diversity, the psychosocial determinants of health, and patient/family preferences. | 4.1 |

Obstetrics & Gynecology

By the end of the Clerkship, students will:

| Clerkship Objectives | Alignment to COM EPOs |
|---|-----------------------|
| 1. Gather patient information in a hypothesis-directed manner and perform an accurate physical examination, in the care of pregnant patients or patients presenting with acute, chronic, or preventative care needs for things such as contraception, abnormal uterine bleeding or menopause. | 1.1, 1.2 |
| 2. Develop a differential diagnosis with appropriate prioritization and recommended diagnostic testing for patients presenting with symptoms such as preterm labor, pelvic pain, or vaginal discharge. | 1.3 |
| 3. Generate an assessment and management plan and reasoning for the plan for patients presenting or those patients with acute, chronic, or preventative care needs such as menopause, abnormal uterine bleeding, or those with sexually transmitted infections. | 1.4 |
| 4. Apply medical knowledge of clinical disorders to patient evaluations, and gynecologic disorders specifically related to pelvic pain or abnormal bleeding. | 2.1 |
| 5. Apply knowledge of evidence-based medicine to answer patient care related questions. | 3.1 |
| 6. Demonstrate empathetic, honest, and bi-directional communication with patients and families. | 4.2 |
| 7. Demonstrate clear, effective, and complete communication with the interprofessional health care team in both written and verbal forms both in the inpatient and outpatient setting. | 7.1 |
| 8. Fulfill one's professional obligations by displaying professional behavior and demonstrating a commitment to ethical principles (e.g., respecting patient autonomy and responding to patient needs that supersede self-interest). | 5.1, 5.2, 5.3 |
| 9. Formulate individual learning goals based on personal strengths and limitations, respond appropriately to feedback and seek help when needed. | 8.1 |
| 10. Identify and address potential barriers to communication with patients, families, and colleagues, including linguistic, educational, and cultural diversity, the psychosocial determinants of health, and patient/family preferences. | 4.1 |

Pediatrics

By the end of the Clerkship, students will:

| Clerkship Objectives | Alignment to COM EPOs |
|--|-----------------------|
| 1. Gather patient information in a hypothesis-directed manner and perform an accurate physical examination for patients of varying ages including newborns, infants, children, and adolescents. | 1.1, 1.2 |
| 2. Develop a differential diagnosis with appropriate prioritization and recommended diagnostic testing for patients presenting with symptoms such as respiratory distress, rash, fever, nausea, and vomiting. | 1.3 |
| 3. Generate an assessment and management plan and reasoning for the plan for patients presenting with acute, chronic, or preventative care needs such as asthma, bronchiolitis, and jaundice. | 1.4 |
| 4. Apply medical knowledge of clinical disorders to patient evaluations, specifically related to well child care, sick visits (ambulatory and emergency) as well as the care of the hospitalized child. | 2.1 |
| 5. Apply knowledge of evidence-based medicine to answer patient care related questions. | 3.1 |
| 6. Demonstrate empathetic, honest, and bi-directional communication with patients and families in providing anticipatory guidance as well as in the management of the child with chronic and life-threatening illnesses. | 4.2 |
| 7. Demonstrate clear, effective, and complete communication with the interprofessional health care team in both written and verbal forms including appropriate participation on family-centered rounds. | 7.1 |
| 8. Fulfill one's professional obligations by displaying professional behavior and demonstrating a commitment to ethical principles, particularly in care of the adolescent (e.g., respecting patient autonomy and responding to patient needs that supersede self-interest). | 5.1, 5.2, 5.3 |
| 9. Formulate individual learning goals based on personal strengths and limitations, respond appropriately to feedback and seek help when needed. | 8.1 |
| 10. Identify and address potential barriers to communication with patients, families, and colleagues, including linguistic, educational, and cultural diversity, the psychosocial determinants of health, and patient/family preferences. | 4.1 |

Psychiatry

By the end of the Clerkship, students will:

| Clerkship Objectives | Alignment to COM EPOs |
|---|------------------------------|
| 1. Gather hypothesis directed patient information with a focus on psychopathology and perform a comprehensive psychiatric assessment and mental status examination in an empathic manner for those presenting with psychiatric disorders. | 1.1, 1.2 |
| 2. Develop and prioritize a differential diagnosis of psychiatric problems according to DSM-5 and recommended diagnostic testing for patients presenting with psychiatric symptoms such as altered mental status, agitation, depression, acute trauma, etc. | 1.3 |
| 3. Generate an interdisciplinary assessment and management plan that includes pharmacotherapy, psychotherapy, social interventions, discharge planning, as well as reasoning for the treatment plan for those patients presenting with depression, substance abuse, suicidal ideation, trauma. | 1.4 |
| 4. Apply medical knowledge of clinical disorders—to patient evaluations, specifically to those patients with psychosis, mood disorders, and neurocognitive disorders/ | 2.1 |
| 5. Apply knowledge of evidence-based medicine to answer patient care related questions. | 3.1 |
| 6. Demonstrate empathetic, honest, and bi-directional communication with patients and families and develop expertise in the techniques of the psychiatric interview, including gathering a detailed developmental and relationship history, identifying psychosocial stressors, and recognizing the psychotic suicidal, or homicidal patient. | 4.2 |
| 7. Demonstrate clear, effective, and thorough communication with the interprofessional health care team including psychologists, social workers, pharmacist, therapists, counselors, medical consultants, and family members in both written and verbal forms. | 7.1 |
| 8. Fulfill one's professional obligations by displaying professional behavior and demonstrating a commitment to ethical principles (e.g., respecting patient autonomy and responding to patient needs that supersede self-interest). | 5.1, 5.2, 5.3 |
| 9. Formulate individual learning goals based on personal strengths and limitations, respond appropriately to feedback and seek help when needed. | 8.1 |
| 10. Identify and address potential barriers to communication with patients, families, and colleagues, including linguistic, educational, and cultural diversity, the psychosocial determinants of health, and patient/family preferences. | 4.1 |

Surgery

By the end of the Clerkship, students will:

| Clerkship Objectives | Alignment to COM EPOs |
|--|-----------------------|
| 1. Gather patient information in a hypothesis-directed manner and perform an accurate physical examination for those patients presenting with acute or chronic care needs related to trauma, post-operative fever or malignancy. | 1.1, 1.2 |
| 2. Develop a prioritized differential diagnosis with appropriate prioritization and recommended diagnostic testing for patients presenting with bodily injury or symptoms such as abdominal pain. | 1.3 |
| 3. Generate an assessment and management plan and reasoning for the plan for patients presenting with life-threatening, surgical emergencies and acute or chronic care needs related to abdominal hernias and peripheral artery disease. | 1.4 |
| 4. Apply medical knowledge of clinical disorders and surgical technique to provide care for patients undergoing routine technical procedures such as laceration repair, endoscopy and exploratory laparotomy while applying basic sterile technique. | 2.1 |
| 5. Apply knowledge of evidence-based medicine to answer patient care related questions. | 3.1 |
| 6. Demonstrate empathetic, honest, and bi-directional communication with patients and families. | 4.2 |
| 7. Demonstrate clear, effective, and complete communication with the interprofessional health care team in both written and verbal forms. | 7.1 |
| 8. Fulfill one's professional obligations by displaying professional behavior and demonstrating a commitment to ethical principles (e.g., respecting patient autonomy and responding to patient needs that supersede self-interest). | 5.1, 5.2, 5.3 |
| 9. Formulate individual learning goals based on personal strengths and limitations, respond appropriately to feedback and seek help when needed. | 8.1 |
| 10. Identify and address potential barriers to communication with patients, families, and colleagues, including linguistic, educational, and cultural diversity, the psychosocial determinants of health, and patient/family preferences. | 4.1 |