



Elective - Diabetes and Lipids Curriculum
NGMC- Family Medicine Residency Program
Gainesville, Ga

PGY: 1, 2, 3

Description of Rotation:

This is a 4-week elective diabetes and lipids experience with direct supervision by Lipidologist and Family Medicine core faculty who is a certified diabetes care and education specialist. Supplemental longitudinal learning in the FMP supervised by Family Medicine Core Faculty is also expected. Residents will work with lipidologist in cardiovascular clinics. Residents will attend diabetes education and support sessions as well as see patients with diabetes in the family medicine clinic. Because management of diabetes and cardiovascular is very important to the overall curriculum of FM, there is an additional month on these topics during didactic sessions.

Overall Goals of Diabetes/Lipid Rotation:

- To demonstrate competence in ambulatory care of patients with cardiovascular disease with focus on lipids.
- To demonstrate competence in ambulatory care of patients with diabetes including pharmacotherapy, diabetes education and support and diabetes technology (continuous glucose monitoring and insulin pumps).
- To describe the role, key elements and outcomes of diabetes self-management education and support for persons with diabetes.

Rotation Location(s): NGPG – Family Medicine
1439 Jesse Jewell Pkwy, Ste 102
Gainesville, GA 30501

Diabetes Education Center
Lanier Park, 675 White Sulphur Rd, Ste 265
Gainesville, GA 30501

Georgia Heart Institute
200 S. Enota Dr NE
Gainesville, GA 30501

NGMC – Lanier Park Sim Center
675 White Sulphur Rd
Gainesville, GA 30501

Rotation Supervisor(s): Sara ‘Mandy’ Reece, PharmD, CDCES, BC-ADM
Jaime Burkle, MD

Sample PGY 3 Rotation Schedule

M	T	W	TH	F	Sat	Sun
Lipid Clinic	Resident Clinic Day	AM: Lipid Clinic PM: Didactic Half Day	Lipid Clinic	Resident Clinic Day		
Lipid Clinic	Resident Clinic Day	AM: Lipid Clinic PM: Didactic Half Day	Lipid Clinic	Resident Clinic Day		
FM Clinic (Diabetes)	Resident Clinic Day	AM: Case Studies PM: Didactic Half Day	Diabetes Education Center	Resident Clinic Day		
FM Clinic (Diabetes)	Resident Clinic Day	AM: Case Studies PM: Didactic Half Day	Diabetes Education Center	Resident Clinic Day		



Patient Care:	
PGY level	
1-3	Obtain a thorough and pertinent history of the patient's diabetes related problems and complaints in the ambulatory settings and obtain appropriate cardiovascular and endocrine history
1-3	Determine family, social, and medication history relevant to the patient's diabetes related problems
1-3	Perform a competent general Physical Examination with emphasis on the following skills: <ol style="list-style-type: none"> Non-dilated fundoscopy Identify necrobiosis lipoidica Identify xanthalasma and xanthomas Determine body mass index
1-3	Determine the indications for the following diagnostic procedures: <ol style="list-style-type: none"> Advanced lipid testing Cardiovascular Imaging including (stress tests, Cardiac MRI, Coronary CT testing) Testing for Type 1 diabetes Continuous Glucose monitoring

Medical Knowledge Objectives and Competencies:	
PGY level	By the end of rotation:
1-3	Demonstrated understanding and application of key facets of diabetes mellitus and cardiovascular disease.

Interpersonal and Communication Skills:	
PGY level	By the end of the rotation:
1-3	Develop rapport and builds therapeutic relationships with patients (C-1)
1-3	Communicate effectively with patients and families. (C-2)
1-3	Communicate effectively with physician colleagues at all levels (C-3)
1-3	Communicate effectively with all non-physician members of the health care team to assure comprehensive and timely care of patients. (C-3)
1-3	Present information concisely and clearly both verbally and in writing on patients. (C-4)

Systems Based Practice Objectives and Competencies:	
PGY level	By the end of the rotation:
1-3	Understand and utilize the multidisciplinary resources necessary to care optimally for patients. (SBP-1)
1-2	Use evidence based and cost-effective diagnostic and treatment strategies. (SBP-1)
1-3	Use evidence-based, cost-conscious strategies in the care of ambulatory patients. (SBP-1)
1-3	Describe when to ask for help and advice from senior residents and attending physicians. (SBP-2)
1-3	Effective collaboration with other members of the health care team, including residents at all levels, medical students, nurses, clinical pharmacists, occupational therapists, physical therapists, nutrition specialists, patient educators, social workers, case managers, and providers of home health services to advocate for patients (SBP-3)
1-3	Knowing when and how to refer patients to specialists, and how best to utilize the advice provided. (SBP-4)



Practice Based Learning and Improvement Objectives and Competencies:	
PGY level	By the end of the rotation:
1-3	Commitment to professional scholarship, including systematic, critical perusal of relevant print and electronic literature, with emphasis on integration of basic science with clinical medicine, and evaluation of information considering principles of evidence-based medicine (PBLI-1)
1-3	Identify and acknowledge gaps in personal knowledge/skills in the care of ambulatory patients. (PBLI-2)
2	Willingness and ability to incorporate faculty feedback into clinical/academic performance and participate in system change (PBLI-3);
2	Use device technology, all available Diabetes management devices (meters, pens, CGMs, pumps) and learn to instruct patients in same when appropriate, to support patient care decisions and enhance both patient and resident education.

Professionalism Objectives and Competencies	
PGY level	By the end of the rotation:
2	Acceptance of professional responsibility as the primary care physician for patients under his/her care (PROF-1)
2	Willingness to acknowledge errors when committed and perform self-analysis to avoid future similar mistakes (PROF-2)
2	Behaves with humanistic qualities of respect, compassion, integrity, and honesty in all patient/staff interactions with similar and differing cultures (PROF-3);
2	Understand ethical concepts of confidentiality, consent, autonomy, and justice. (PROF-3)
2	Display professionalism through integrity, altruism and resolving conflict of interest. (PROF-4)

Teaching Methods	
Clinical Teaching	Faculty Role Modeling
Case Based Teaching	Supervised Clinical Management
Didactic	<ul style="list-style-type: none"> a) Association of Diabetes Care and Education Specialists (ADCES) Putting Continuous Glucose Monitoring (CGM) into Practice: Certificate Program (https://www.diabeteseducator.org/store/certificate-programs/detail/putting-continuous-glucose-monitoring-(cgm)-into-practice-certificate-program) b) Connected Insulin Delivery Devices and Clinical Applications of Data Certificate Program (https://www.diabeteseducator.org/store/certificate-programs/detail/connected-insulin-delivery-devices-and-clinical-application-of-data-certificate-program)

Research Scholarly requirement:	
Case Report	

Procedures/Skills Taught (PC5)	
Insulin pump interpretation	CGM Ambulatory Glucose Profile report interpretation
Advanced Lipid Testing Interpretation	Cardiac Imaging interpretation (stress tests/Calcium scores)



Supervision/Evaluation:

Resident will work one-on-one and be supervised by lipidologist, clinical pharmacist and diabetes care and education specialists. While the resident will interact with several health care providers, supervision of patient care, behavior and diagnostic interpretations will be provided by the preceptor. The faculty preceptor will directly observe patient care and the performance of all procedures.

Assessment Methods

Direct Observation	Procedure evaluation
End of Rotation Evaluation	Chart Review
Case Log	Procedure Log

EPA's

2	Care for patients and families in multiple settings	PC 1, 2, 3, 4
6	Evaluate and manage undifferentiated symptoms and complex conditions	MK 1, 2
7	Diagnose and manage chronic medical conditions and multiple co-morbidities.	SBP 1, 2, 4
9	Diagnose and manage acute illness and injury	PBLI 1, 3

Resources: Required Reading

ADA Standards of Medical Care in Diabetes (https://diabetesjournals.org/care/issue/46/Supplement_1)

AACE Guide to Continuous Glucose Monitoring (<https://pro.aace.com/cgm/toolkit/aace-guide-continuous-glucose-monitoring-cgm>)

JDRF A Pharmacist's Guide to Insulin Pump Therapy (https://www.jdrf.org/wp-content/uploads/2021/02/JD008_EB3_Pharmacist-Guide-Insulin-Pumps_7-21-20_FINAL.pdf)

U.S. Preventative Task Force: Statin Use for the Primary Prevention of Cardiovascular Disease in Adults: Preventative Medicine (<https://www.uspreventiveservicestaskforce.org/uspstf/recommendation/statin-use-in-adults-preventive-medication>)