Medical Knowledge and Patient Care:

Residents must demonstrate knowledge and application of the pathophysiology and epidemiology of the diseases listed below for this rotation, with the pertinent clinical and laboratory findings, differential diagnosis and therapeutic options including preventive measures, and procedural knowledge. They must show that they are able to gather accurate and relevant information using medical interviewing, physical examination, appropriate diagnostic workup, and use of information technology. They must be able to synthesize and apply information in the clinical setting to make informed recommendations about preventive, diagnostic and therapeutic options, based on clinical judgement, scientific evidence, and patient preferences. They should be able to prescribe, perform, and interpret surgical procedures listed below for this rotation.

Each Resident is expected to:

1. Understand organ allocation in the United States, and the guidelines for preparing patients for organ transplantation, as well as means to expand the donor pool (split liver, live donor, domino transplantation).
2. Gain competency in the diagnosis and management of end-stage liver and renal disease, including indications for non-transplant surgical intervention.
3. Understand the fundamental principles of transplant immunology and immune suppression, as well as hyper-acute, acute, and chronic rejection.
4. Demonstrate an understanding of the potential metabolic, physiologic and malignant side effects of immunosuppressant agents, including opportunistic and nosocomial infections.
5. Become fluent in the preoperative preparation of the liver, renal and pancreatic transplant patient.
6. Understand the intraoperative technique for harvesting brain-dead donor organs and living donor for transplantation.
7. Become competent in the postoperative care of the patient, including maintaining immunosuppression, evaluation of the graft, evaluation and treatment of graft rejection and long term follow-up.
8. Develop communication skills with Transplant team members (nurses, pharmacist, coordinators, social worker, physical therapists, attendings)
9. Maintain attendance at conferences and rounds.
Operations:

PGY-III

1. Cadaveric organ harvest.
2. Renal allotransplantation.
3. Hepatic allotransplantation.
4. Living donor nephrectomy.
5. Living donor heptatectomy.

Practice Based Learning:

Objectives:
Residents must be able to investigate and evaluate their patient care practices, appraise and assimilate scientific evidence, and improve their patient care practices. Residents are expected to develop skills and habits to be able to:

- Identify strengths, deficiencies and limits in one’s knowledge and expertise
- Set learning and improvement goals
- Incorporate formative evaluation feedback into daily practice
- Use information technology to optimize learning
- Systematically analyze practice, using quality improvement methods, and implement changes with the goal of practice improvement
- Locate, appraise, and assimilate evidence from scientific studies related to their patients’ health problems
- Participate in the education of patients, families, students, residents and other health professionals, as documented by evaluations of resident’s teaching abilities by faculty and/or learners

Systems Based Practice:

Objectives:
Residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, as well as the ability to call effectively on other resources in the system to provide optimal health care. Residents are expected to:

- Work effectively in various health care delivery settings and systems, including private offices of surgeons
- Coordinate patient care within the health care system
- Incorporate considerations of cost awareness and risk-benefit analysis in patient care
• Use system resources to advocate for quality patient care and optimal patient care systems
• Work in interprofessional teams to enhance patient safety and improve patient care quality
• Participate in identifying systems errors and in implementing potential systems solutions

**Professionalism:**

**Objectives:**
Residents must demonstrate a commitment to carrying out professional responsibilities and an adherence to ethical principles. They must demonstrate:

• Compassion, integrity and respect for others, including accountability to patients and society, and professional commitment to excellence.
• Adherence to ethical principles by practicing patient-centered care that encompasses confidentiality, respect and autonomy via appropriate informed consent and shared decision making
• Cultural competence, by being sensitive and responsive to a diverse patient population as well as colleagues, including but not limited to diversity in gender, age, culture, race, religion, disabilities, and sexual orientation.

**Interpersonal and Communication Skills:**

**Objectives:**
Residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and teaming with patients, their families and professional associates. They must demonstrate that they can:

• Communicate effectively with patients and families across a broad range of socioeconomic and cultural backgrounds
• Communicate effectively with physicians, other health professionals, and health related agencies
• Work effectively as a member or leader of a health care team
• Maintain comprehensive, timely and legible medical records