

# White General Surgery (Hepatobiliary/Liver Transplant)

**Institution:** Vanderbilt University Medical Center

**Duration:** 6 weeks

**Supervising Physician:** Dr. Sunil Geevarghese

**Contact Information:**  
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**Year of Training:** PGY-4/5

## **Educational Objectives:**

We would like to welcome you to the Hepatobiliary/Liver Transplant Service and hope you will have a rewarding and educational experience. Our goal is to help you gain experience and expertise in the treatment of a variety of hepatobiliary disorders and liver transplant. Listed below are the objectives for the Hepatobiliary/Liver Transplant service.

### **Patient Care and Procedural Skills:**

- ✓ Appropriate evaluation of hepatobiliary, pancreatic and gastrointestinal disorders and understand treatment options.
- ✓ Management of pancreatitis, hepatic failure, encephalopathy, hemorrhage, coagulopathy, immunosuppression, and prophylactic antibiotics.
- ✓ Understanding of basic principles of transplant immunology, chronic immunosuppression, and diagnosis and treatment of allograft rejection.
- ✓ Demonstrate ability to assemble Thompson retractor for right upper quadrant procedures.
- ✓ Demonstrate ability to mobilize the liver including aspects of approaching retrohepatic veins.
- ✓ Demonstrate ability to complete portal dissection during liver transplantation.
- ✓ Demonstrate ability to perform an intra-operative liver ultrasound with visualization of the hepatic and portal veins.
- ✓ Be proficient in performing hepatic resections, portosystemic shunts, donor hepatectomy, liver transplantation, pancreas resection, and gastrointestinal procedures.

### **Medical Knowledge:**

- ✓ Understanding of common hepatobiliary diseases such as hepatic and biliary neoplasms, portal hypertension, hepatic failure, biliary strictures, and biliary stone disease.
- ✓ Understanding of the work-up of a liver mass and therapeutic modalities.
- ✓ Understanding all aspects of hepatic transplantation.
- ✓ Understanding of common pancreatic disorders such as pancreatitis and pseudocyst.
- ✓ Understanding of the management of metastatic colorectal cancer to the liver.

### **Practice-Based Learning and Improvement**

- ✓ Write an accurate and detailed preoperative assessment and counseling note on all patients for which he/she serves as surgeon of record.
- ✓ Utilize assigned journal articles as well as available textbook chapters and information technology (including PubMed search and literature review).
- ✓ Participate in the education of patients, families, students, residents, and other health professionals.
- ✓ Incorporate formative evaluation feedback into daily practice.

### **Interpersonal & Communication Skills:**

- ✓ Initiate management decisions in conjunction with staff physicians and surgeons.
- ✓ Demonstrate reliable, honest, appropriate judgment, good communication skills.
- ✓ Function relatively independently.
- ✓ Participate in student teaching.
- ✓ See preoperative and postoperative patients in weekly outpatient clinics.
- ✓ The resident should ensure that the attending is aware of the progress of all patients on the service.

- ✓ The resident should clearly, accurately, and respectfully communicate with nurses and other Hospital employees.
- ✓ The resident should clearly, accurately, and respectfully communicate with referring and consulting physicians, including residents.
- ✓ The resident should clearly, accurately, and respectfully communicate with patients and appropriate members with their families about identified disease processes (including complications), the expected courses, operative findings, and operative procedures.
- ✓ The resident should ensure that clear, concise, accurate, and timely medical records are maintained on all patients.
- ✓ The resident should be able to clearly and accurately teach medical students and junior residents about the procedures performed on this rotation when qualified to do so by hospital and program policy.

### **Professionalism**

- ✓ Demonstrate compassion, integrity, and respect for others.
- ✓ Demonstrate sensitivity and responsiveness to a diverse patient population, including but not limited to diversity in gender, age, culture, race, religion, disabilities, and sexual orientation.
- ✓ Demonstrate sensitivity to issues of age, race, gender, and religion with patients, family, and members of the healthcare team.
- ✓ Demonstrate respect for patient privacy and autonomy.
- ✓ Remain honest with all individuals at all times in conveying issues of patient care.
- ✓ Respond to the needs of the patient above one's own needs and desires.
- ✓ Maintain high standards of ethical behavior in all professional activities.
- ✓ Demonstrate a commitment to the continuity of patient care to carrying out professional responsibilities or through assuring that those responsibilities are fully and accurately conveyed others acting in his/her stead.
- ✓ Understand the institutional policy on duty hours and remain compliant with all duty hour regulations. Residents must enter the number of hours spent in the hospital into the tracking system within 1 week of duty.
- ✓ Be properly and professionally attired at all times while engaged in patient care.
- ✓ At all times treat patients, families, and all members of the healthcare team with respect.
- ✓ Reliably be present in prearranged places at prearranged times except when actively engaged in the treatment of a medical or surgical emergency. The resident must notify the appropriate supervisor if he or she will be unable to be present.
- ✓ Remain compliant with all required training designated by the institution.

### **Systems-based practice**

- ✓ The resident should be able to assess the risks and benefits of all options for treating patients with surgical illness.
- ✓ The resident should be able to summarize the financial costs, potential complications, and long-term expectations for planned procedures.
- ✓ The resident should recognize the differences between the three hospital systems in which he or she will participate: federal, university, and private.
- ✓ The resident should be able to determine the benefit of additional treatment by other services
- ✓ The resident should be able to determine and convey to appropriate individuals the instruments and other materials necessary for all procedures.

### **Description of Clinical Experiences:**

Specific daily responsibilities of the PGY-4/5 Resident include:

- ✓ Administration of personnel assigned to White General Surgery Service.
- ✓ Coordinate and lead Multidisciplinary Team Rounds (Friday 11am),
- ✓ Run daily rounds.
- ✓ Participate in student and junior resident teaching.

### **Description of Didactic Experiences:**

Attend hepatobiliary/liver transplant clinic as assigned, including the equivalent of at least one full day a week, as well as the conferences listed below:

- Hepatobiliary radiology conference (Tuesday afternoon)
- Department of Surgery Morbidity and Mortality Conference, Wednesday @ 6:30am
- Resident Bonus Conference, Wednesday @ 7:30am
- Liver transplant selection conference (Wednesday afternoon)
- Grand Rounds, Friday @ 7:00am
- Resident Teaching Conference, Friday @ 8:00am

### **Evaluation Process:**

Faculty and senior residents will evaluate the performance of each resident using these goals and objectives. Each resident on the service will evaluate the rotation, the service, faculty and any senior residents also on the rotation.

### **Other Important Rotation Information:**