

Post Graduate Year 3 Rotations

Transplant Keck Hospital of USC

The goals and objectives listed below will be followed as a guideline under the supervision of the fellows and the attending surgeons.

Patient Care

The resident will provide patient care that is appropriate, effective, and empathetic for all pre- and post-operative surgical patients. The resident will demonstrate:

1. The ability to take an accurate history and perform an appropriate physical examination with attention elements unique to hepatobiliary patients and compliant with transplantation guidelines.
2. Evaluation of potential candidates for living-related and cadaveric organ transplantation.
3. Participate in the perioperative management of immunosuppressive drug therapy.
4. Initiation and appropriate evaluation of laboratory and diagnostic studies with the guidance of fellows and faculty.
5. The ability to develop and implement a management plan to care for patients with guidance from fellows and faculty.
6. Proficiency in the preoperative preparation of patients for surgery and routine post-operative care.
7. The ability to counsel and educate patients and their families, perform services to treat and prevent health problems, and work with other health care professionals to achieve these goals.
8. Competency in basic procedural skills essential for caring for hepatobiliary and transplant patients (Central lines, arterial lines, NG tubes, Foley catheter, Hickmann catheter, ports, gastrostomy tubes, dialysis catheters).
9. The ability to effectively set priorities and coordinate the care of hepatobiliary and transplant patients.
10. Efficient data management and record documentation.

Medical Knowledge

The resident will demonstrate an understanding of:

1. The guidelines for preparing patients for organ transplantation.
2. The fundamental immunologic principles governing transplantation and immunosuppression.
3. The mechanism of action, dosing schedule and side effects of immunosuppressive drugs.
4. The potential metabolic, physiologic, and malignant side effects of immunosuppressants.
5. End-stage liver disease: evaluation, treatment, complications
6. Renal insufficiency: complications (hyperparathyroidism, bleeding, uremia, hyperkalemia, etc.)
7. Treatment options for patients with end-stage renal disease.
8. Principles underlying the placement of vascular access devices.
9. Potential complications of vascular access devices.
10. Surgical issues related to renal transplantation.
11. Surgical issues associated with liver transplantation.
12. Signs and symptoms of organ rejection.
13. Hepatobiliary, pancreatic and gastrointestinal anatomy and physiology.
14. Basic interpretation of cholangiograms, CT portograms, visceral angiograms, CT scans, MRI, and PET scans.
15. Appropriate laboratory evaluation of gastrointestinal, pancreatic and hepatobiliary function.
16. Surgical technique of hernia repair, cholecystectomies, pancreaticoduodenectomy, bile duct reconstruction, subtotal/total pancreatectomy, renal transplantation, donor nephrectomy and hepatectomy, and exposure to cadaveric liver transplantation.

Practice-Based Learning

In order to promote personal growth and self-awareness, residents are expected to:

1. Demonstrate the skills of self-education and life-long learning to actively set clear learning goals, pursue them, and apply the knowledge gained to the practice of surgery.
2. Investigate and evaluate their own patient care practices and take appropriate steps to address any problems identified.
3. Define the limits of his or her personal knowledge and experience and seek help and advice when needed.
4. Appropriately receive and respond to constructive criticism.
5. Utilize current literature resources to obtain up-to-date information in the care of hepatobiliary and transplant patients and practice evidence-based medicine.
6. Critically review scientific and surgical literature in order to evaluate new data in a meaningful way.
7. Reflect on the social and community contexts of health care and effectively respond to the factors that influence patients at USC University Hospital (sociocultural, familial, psychological, legal, economic, environmental, political, and spiritual).
8. Assume responsibility for addressing gaps in his/her knowledge and use information technology and simulation to support his/her learning.
9. Participate in the teaching and organization of the weekly Residents Core Curriculum.
10. Participate in daily rounds, weekly M&M conference and other resident teaching conferences and utilize information to further improve patient care.
11. Participate in student teaching.

Interpersonal and Communication Skills

Residents must demonstrate appropriate interpersonal and communication skills. The resident is expected to:

1. Listen and communicate clearly with patients, families, and health care team members using effective verbal, non-verbal, and writing skills.
2. Collaborate effectively as a member of the health care delivery team.
3. Develop and sustain therapeutic relationships with patients and others.
4. Respect patients' right to privacy.
5. Understand the special psychosocial needs of the transplant patient at USC University Hospital.

Professionalism

Residents must demonstrate accountability to the profession and altruism in interactions with patients, families, colleagues, faculty, and staff. The resident is expected to:

1. Demonstrate caring and respectful compassion for patients, families and other members of the health care team.
2. Demonstrate a commitment to the discipline of surgery, patients, and society.
3. Act with honor and integrity in professional and personal life.
4. Demonstrate a mature and professional approach to ethical issues commonly encountered in a university medical center.
5. Model good leadership in interactions with others and demonstrate a professional attitude.
6. Show sensitivity to patients' culture, age, gender, and disabilities.
7. Understand issues related to consent.

Systems-Based Practice

Residents must demonstrate an awareness of the larger health care system. Residents are expected to:

1. Understand how the health care organization affects the surgical practice for surgical and transplant patients.
2. Coordinate quality health care including discharge planning, social services, rehabilitation, and long term care.
3. Understand the issues surrounding access to health care.
4. Serve as a patient advocate for quality health care.
5. Understand how his/her patient care practices affect other health care providers, organizations and society.
6. Practice cost effective health care and resource allocation.

7. Follow established practices, procedures, and policies of the Department of Surgery at USC University Hospital.
8. Maintain complete and legible patient care related documentation and protect information as determined by HIPAA regulations.