Physician Assistant Resident Training Objectives
Transplant Surgery

**Patient Care**
The PA Resident on the Transplant Surgery Service should demonstrate the ability to:

- Evaluate pre-operative patients with end organ failure (Potential liver, kidney and pancreas transplant recipients).
- Manage ward/postoperative patients.
- Manage ward emergencies (arrhythmia, hypoxia, shock, etc.).
- Recognize organ specific life-threatening/graft threatening emergencies (i.e. Hepatic artery thrombosis, pancreatic thrombosis, pulmonary embolism).
- Plan discharge.
- Perform (or be exposed to) the following procedures:
  - Dialysis Access
  - Renal Transplant
  - Transplant Nephrectomy
  - Abdominal Organ Harvest
  - Hernia repair
  - Bowel resection

**Medical Knowledge**
The PA Resident on the Transplant Surgery Service should understand:

- The pathophysiology, immunology, and the indications for transplantation in the specific procedures to be performed to definitively manage all of the common diseases treated by organ replacement.
- The causes of end stage liver and kidney disease, including type I and II diabetes mellitus, hypertension, autoimmune renal disease, hepatitis B and C, hepatocellular carcinoma, polycystic kidney and liver disease, Laennec's cirrhosis, and autoimmune hepatitis.
- The principles of immunosuppression for transplant patients and working knowledge of the diagnosis and treatment of acute rejection abdominal transplants.
- The principles of post-operative care of the liver, pancreas, and renal transplant patients.

**Practice Based Learning and Improvement**
The PA Resident on the Transplant Surgery Service should demonstrate the ability to:

- Review the literature and understand the basis of clinical practice on the transplant service.
- Utilize the web-based "Transplant Resident Handbook" to facilitate management of patients within the protocol structure of the service.
- Take considerable initiative in facilitating the learning of PA and medical students.
**Interpersonal and Communication Skills**
The PA Resident on the Transplant Surgery Service should demonstrate the ability to:

- Collegially interact with transplant surgical faculty and consultative faculty in formulating and instituting therapeutic plans.
- Recognize potential conflicts between transplant surgery team and nursing or transplant staff, and productively intervene to optimize the care of the patient.

**Professionalism**
The PA Resident on the Transplant Surgery Service should:

- Demonstrate commitment to the transplant surgery patients superceding personal self-interests, including readiness to provide bedside and operative care to the transplant surgery patients irrespective of time of day.
- Exhibit considerable sensitivity and responsiveness to the family's culture and supports systems.

**Systems Based Practice**
The PA on the Transplant Surgery Service should demonstrate the ability to:

- Appropriately recruit other specialists and health care professionals to optimize efficiency of care of the transplant surgical patient.