

RENAL TRANSPLANTATION

PGY 3 OBJECTIVES

MEDICAL EXPERT

Basic Science Knowledge Demonstrate an understanding of the pathophysiology of the allo response and the immune mechanisms involved in allograft rejection
Understands the mechanism of action, dosage and side effects of the immunosuppressive agents used in clinical practice
Demonstrate knowledge of different tissue typing techniques, their indications and interpretation of results.
Be able to describe the pathologic classification of rejection and outline the management of each type of rejection

Clinical Knowledge Perform a pre transplant surgical assessment outlining
Indications for transplantation
Contraindications to transplantation
Assessment of the urologic tract and indications for pre transplant nephrectomy
Assess a living related donor for transplantation outlining
Indications for living related renal donation
Contraindications to donation
Risks of living related renal donation
Assess a deceased donor for suitability for donation

Recognition and Management of Emergencies Be able to recognize and manage the short and long term surgical complications of renal transplantation
Assess a renal allograft that is nonfunctioning early in the perioperative period demonstrating a knowledge of:

- ATN
- Calcineurin toxicity
- Urine leak
- Vascular complication
- Perinephric fluid collections
- Rejection
- Recurrent Disease

Technical and Procedural Skills Be able to open and close the incision on a renal transplant
Be able to perform an open renal biopsy
Be able to sew a portion of the renal vein

Specific Clinical Expectations Expected to attend two Renal Transplant Assessment clinics with Dr. Todd, Moore, or Schuler.
Option of attending Renal Transplant Rounds each week.

Revised January 2011

RENAL TRANSPLANTATION
PGY 4 AND PGY 5 OBJECTIVES

MEDICAL EXPERT

<i>Basic Science Knowledge</i>	Demonstrate an understanding of the pathophysiology of the allo response and the immune mechanisms involved in allograft rejection Understands the mechanism of action, dosage and side effects of the immunosuppressive agents used in clinical practice Demonstrate knowledge of different tissue typing techniques, their indications and interpretation of results. Be able to describe the pathologic classification of rejection and outline the management of each type of rejection
<i>Clinical Knowledge</i>	List the indications for a transplant nephrectomy Demonstrate a knowledge of the various techniques for live donor nephrectomy open versus laparoscopic
<i>Technical and Procedural Skills</i>	Assist with a renal transplant demonstrating an ability to: Develop the exposure to the pelvis and iliac vessels Perform a vascular anastomosis Perform an extravesical ureteral reimplantation Perform a deceased donor nephrectomy
<i>Specific Clinical Expectations</i>	Expected to attend two Renal Transplant Assessment clinics with Dr. Todd Option of attending Renal Transplant Rounds each week.

Revised January 2011