

## **Title: Transplantation Surgery Selective**

**Course Directors:** Dr. Bruce Gelb

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**Basic Science Faculty:** Dr. Lewis Teperman

**Students per session: 1**

**Description:** Students on the transplant service actively participate in all aspects of care including pre-operative assessment of candidates for liver, kidney or pancreas transplantation. Students will assist in the remote procurement of organs, operating room implantation of organs, the post-operative management and immunosuppression. The attending transplantation surgeons are committed to maximizing the learning opportunities for students on the service. Principles of transplantation biology, including immunology are emphasized.

**Integration of Disciplines:** The biologic basis of transplantation is crucial to the understanding of the disease processes that will be encountered in this Selective. Weekly sessions with medical immunologists will be an integral part of the Selective. In addition at least two formal didactic sessions with basic science immunology faculty to better understand the rejection process are planned.

**Goals of the Selective:** Introduction of the student to transplantation by means of direct clinical involvement with all aspects of pre-and-post-transplant care. Students in transplantation will become familiar with the "language of transplantation" and be introduced to operative techniques including donor procurement and recipient surgery.

### **Objectives of the Selective:**

- Define appropriate indications for organ transplantation
- Understand the pharmacology of immunosuppressive therapy
- Understand UNOS procurement system and how organs are matched
- Demonstrate comprehension of the long-term management of transplant patients
- Appreciate the psychosocial aspects of organ transplantation

**Key Responsibilities of the student while on Selective:** The student will be an important part of the transplant team. They will attend:

All transplant operations

Daily rounds

Pre-and-post transplant clinic

All surgery conferences attended by the residents

**Didactic Program:** The student will be assigned to a specific faculty preceptor who will formally meet with the student at least weekly (and probably much more frequently). Daily rounds include robust teaching of patient care and immunology. Weekly grand rounds and M & M conferences are mandatory.

**Method of Evaluation:** Students will be evaluated by attendings with input from surgical house staff. The Selectives Director will give formal feedback to the student on her/his performance. Evaluation will be based upon the level of knowledge displayed by the student on a daily basis, the depth of his or her reading, and the clinical performance as evaluated by the residents and faculty.