

UMC/TTUHSC BONE MARROW TRANSPLANTATION ROTATION

Person Responsible: Dr. D’Cunha

Bone Marrow Rotation

REQUIRED rotation

Objective:

The objective of this rotation is to teach the Fellow indications, techniques and complications of stem cell transplantation for the treatment of hematologic and oncologic diseases.

Goals:

The specific goals are the following:

- Fellows should know indications for stem cell transplantation for various hematologic and oncologic diseases, and for the specific type of stem cell transplantation which is indicated, i.e. peripheral blood versus bone marrow stem cell transplant, matched related, matched unrelated, haploidentical, and related mismatched. They should be familiar with conditioning regimens with high dose therapy or non-myeloablative conditioning.
- Fellows should be thoroughly familiar with acute and chronic complications after stem cell transplantation. They should be able to diagnose and treat fever and neutropenia graft versus host disease (acute and chronic), diarrhea, CMV, opportunistic and other infections, and organ dysfunction. They should also be thoroughly familiar with long term side effects including organ dysfunction, secondary malignancies, immunodeficiency, and others. They should be familiar with long term follow up regimens after stem cell transplantation, including re-vaccination programs, and special screening for secondary malignancies.
- Fellows should become familiar with major outcome studies of stem cell transplantation in multiple myeloma, leukemia, lymphoma, aplastic anemia, immunodeficiency states, sickle cell disease, thalassemia, and solid tumors.
- Develop skills to achieve and demonstrate competence in the following competencies: