

****Course director approval required****

Faculty In Charge Of Course:	Daniel Freet, M.D.
Participating Faculty:	Drs. D. Wainwright, D. Freet, M. Greives, P. Nguyen, E. Marques, W. Chen, Y. Wu-Fienberg
Location:	Memorial-Hermann Hospital and LBJ Hospital, Memorial-Hermann Ambulatory Surgery Center
Offered:	Blocks 2-13
Max. # Students/Period:	2

Course Objective

Material Covered:

This elective provides an overview of plastic surgery and students will experience the different facets of plastic surgery including cosmetic surgery of the face and body, to include body contouring surgery, oncologic plastic surgery and specifically breast reconstruction surgery, hand and microsurgery, facial trauma, pediatric plastic surgery, acute burn and burn reconstruction and the reconstruction of other traumatic injuries.

By the end of the elective, the student should be able to:

1. Demonstrate proficiency in basic suturing using multiple patterns and techniques, suture choices
 - a. Simple interrupted, interrupted subcuticular, horizontal mattress, running subcuticular, etc.
2. Demonstrate proficiency in assessing post-surgical wounds and Demonstrate proficiency in changing multiple types of dressings
3. Perform an intern-level plastic surgery history and physical for various anatomic locations
 - a. Hand and upper extremity; lower extremity
 - b. Anterior/posterior trunk, including breast
 - c. Head/neck/face
 - d. Cosmetic, gender affirming patients, chronic wounds/pressure ulcers
4. Create a rudimentary plan for H+P/consults described above
5. Describe local anesthesia blocks for the hand and face
6. Describe the different methods of reconstruction, including (but not limited to):
 - a. Skin grafts
 - b. Local flaps (advancement, rotational, z-plasty scar revision, etc.)
 - c. Pedicled flaps
 - d. Free flaps
 - e. Various types of implants
7. Identify various kinds of preop, intraop, and postop imaging as it relates to the reconstructive patient
 - a. Interpret, at the novice level, Hand Xrays, Face CT scans
8. Recognize failing reconstructions, why they fail, and how to manage them

Skills Acquired:

Advanced suturing technique. Use of an operative microscope. Skin graft technique. Planning soft tissue reconstruction with local tissue and/or distant tissues.

Activities of Elective

Number of New Patients/Student/Week: 10

Responsibilities Of Student For Assigned Patients:

Does history/physical:	Yes
Who critiques:	Attendings, fellows and residents
Follows patients, with appropriate notes as needed:	Yes
Who supervises:	Attending
Does student see ambulatory patients:	Yes

Procedures	Observe	Perform
All plastic surgery procedures	Yes	Yes

Activities of Elective

	Frequency of rounds on patients:	twice daily
	Presents patients to preceptor or attending physician:	Yes
	Weekly schedule of required teaching sessions:	Thursday AM

Describe Optional Rounds And Activities, If Any:

None

Other Required Activities:

	Reading/review of current literature:	Yes
	Writing or Presenting a paper:	Yes

How Is Student Evaluated:

Interest, participation, attendance, and reliability

Who Evaluates Students:

Fellows and staff

Unique Features Of This Elective:

Clinical hands-on experience in basic plastic surgery.