

**Regional Medical Center (The MED)**  
**Plastic Surgery Rotation**  
**PGY-6 (1st year Resident)**

By the end of the Plastic Surgery Rotation at the MED, the PGY-6 residents are expected to expand and cultivate knowledge and skills developed during previous training and to achieve the following goals and objectives based on the six general competencies.

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
Patient Care	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	Perform physical examination of the hand and upper extremity in both normal and pathologic states.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Obtain and interpret radiographs and other diagnostic images for evaluation of traumatic, congenital and degenerative problems of the hand and upper extremity.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
Diagnose, evaluate and treat patients with the following conditions that require plastic surgery, including but not limited to: <ul style="list-style-type: none"> <li>• Upper extremity infections</li> <li>• Nerve, tendon, fingertip and bony injuries.</li> <li>• Benign and malignant conditions of the head and neck</li> <li>• Lower extremity trauma and ulceration of a variety of etiologic origins</li> <li>• Congenital and post-surgical breast deformities</li> <li>• Pressure sores</li> <li>• Mammary hypertrophy</li> <li>• Complex wound problems such as dehiscence, delayed healing, multiple traumatic wounds</li> </ul>	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually	

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	<p>and evaluate patients with scar problems and revise scars to achieve maximum functional and aesthetic benefit</p>	<p>Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops</p>	<p>OSCE Case logs Record review CSR Skills evaluation Written evaluation</p>	<p>Daily Weekly Biannually</p>
	<p>Under guidance and supervision of faculty, perform the following plastic surgery procedures including but not limited to:</p> <ul style="list-style-type: none"> <li>• Skin grafting and flap closure of soft tissue defects of the upper extremity</li> <li>• Specific grafting techniques including the operation of various types of dermatomes, management of graft donor sites, and care of graft recipient sites</li> <li>• Operations incorporating the full spectrum of flaps and grafts including skin grafts, local flaps, fascial and musculocutaneous flaps, free tissue transfers, bone grafts, composite grafts</li> <li>• Techniques available for appearance restoration and understand the specific reconstructive needs of special tissues such as oral mucosa, nasal lining, etc</li> <li>• Reconstruction of specific head and neck structures such as eyelid, lips, nose, oropharynx, ear, mandible, scalp and skull</li> <li>• Surgical procedures using solid and injectable implant materials</li> <li>• Carve autografts and alloplastic implants</li> <li>• Breast reconstruction with various techniques, such as implants, tissue expanders and flaps</li> <li>• Nipple and areolar reconstruction</li> <li>• Techniques to alter scar (such as Z-plasty, W-plasty)</li> <li>• Debride and close wounds, acute and chronic of the upper extremity</li> </ul>			
	<p>Direct rehabilitation of upper extremity trauma following surgical treatment.</p>			

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
		Lectures/seminars/conferences Preop conf Workshops	CSR Skills evaluation Written evaluation	
	Practice the principles of immobilization and splinting.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Apply special grafting techniques including dermabrasion, xenografts, cadaver grafts, skin matrix and synthetic or chemically manipulated materials.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Treat patients who have complications of flaps and grafts including skin graft loss, flap necrosis, wound dehiscence and wound infection.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Appreciate a non-operative and operative plan depending on the patient's diagnosis, age and condition.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Formulate an applicable operative plan in relation to the reconstructive ladder.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
		rs/conferences Preop conf Workshops	Skills evaluation Written evaluation	
	Utilize flaps, grafts, tissue expansion, free flaps and/or alloplastic insertions for head and neck reconstruction.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Undertake perioperative management and surgical treatment of patients with major acute and chronic injuries of the lower extremities requiring reconstruction and resurfacing.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Master the basic microsurgery techniques including micro-neural repair and microsurgical anastomosis.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Utilize the operating microscope and understand the indications for, the contraindication to, and the techniques for accomplishing replantation of amputated parts.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate a familiarity with the tissue composition of free flaps and know the anatomy for harvesting the most common free flaps.	Clinical teaching/experience Lectures/seminars/conferences	OSCE Case logs Record review CSR Skills evaluation	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
		Preop conf Workshops	Written evaluation	
	Recognize the indications for harvesting various flaps and matching specific donor sites to specific recipient site needs and manage the long-term aspects, including donor site problems, of patients who have undergone free tissue transfers.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Formulate a reconstructive plan for patients with pressure sores.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Evaluate patients with mammary hypertrophy, marks and operates upon them, and performs postoperative care.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Formulate a care plan for patients with both malignant and infectious chest wall pathology	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Assess any wound and be able to formulate an optimal treatment plan.	Clinical teaching/experience Lectures/seminars/conferences Preop conf	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
		Workshops		
	Manage dressings, splints and other devices and techniques utilized in wound management.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding when surgical debridement is necessary and the correct use of pharmacologic wound manipulating agents.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Apply, plan, and perform surgical techniques to alter scar (such as Z-plasty, W-plasty) and recognize the various lines of the skin (such as Relaxed Skin Tension Lines) and their importance in placement of incisions for maximum aesthetic benefit.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Participate in the decision as to which technique of anesthesia should be used on his patients.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Utilize the techniques of local anesthesia and carry out emergency management of burn and trauma patients.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	Manage all plastic surgical patients postoperatively.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Recognize the Rule of Nines, the use of more detailed body surface charts, and the difference in relative body surface area comparing children to adults.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of the parameters, which define major, moderate and minor burns.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the various factors, in addition to body surface area, which affect prognosis of a patient with a thermal injury.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the principles and techniques of fluid resuscitation.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Recognize injuries and sequelae associated with	Clinical	OSCE	Daily

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	electrical injuries.	teaching/experience Lectures/seminars/conferences Preop conf Workshops	Case logs Record review CSR Skills evaluation Written evaluation	Weekly Biannually
	Demonstrate an understanding of principles pertinent to burn rehabilitation and reconstruction including aesthetic units of the face, tissue expansion, hair transplantation and hand splinting.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
Medical Knowledge	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	Develop a detailed knowledge of the anatomy of the muscles, tendons, and ligaments of the hand and upper extremity; and of the vascular tree and major nerves of the upper extremity including relationships to the surrounding structures.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the functional anatomy of the upper extremity including the cutaneous cover; the principles of diagnosis and treatment of upper extremity tumors.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate a familiarity with the spectrum of congenital abnormalities of the upper extremity.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate the knowledge of the clinical	Clinical	OSCE	Daily

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	techniques for physical examination of the hand.	teaching/experience Lectures/seminars/conferences Preop conf Workshops	Case logs Record review CSR Skills evaluation Written evaluation	Weekly Biannually
	Develop the knowledge of the techniques for operative and nonoperative management of traumatic injuries of the upper extremity, their indications and contraindications, and their potential complications and treatment thereof.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of the nerve compression and entrapment syndromes of the upper extremity and understand the basic principles of their treatment.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate familiarity with the pathologic anatomy and physiology of upper extremity joint contractures and Dupuytren's disease.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the physiology of flaps and grafts, is thoroughly familiar with surgery in all types of flaps and grafts, and can design and utilizes flaps effectively for reconstruction in the full spectrum of plastic surgical practice.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the terminology of flap movement, composition and vascular	Clinical teaching/experi	OSCE Case logs	Daily Weekly

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	supply.	ence Lectures/seminars/conferences Preop conf Workshops	Record review CSR Skills evaluation Written evaluation	Biannually
	Recognize the physiology of normal flaps, ischemic flaps, and the "delay" phenomenon.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the specific physiology of split and full thickness skin grafts, dermal grafts, cartilage grafts, bone grafts, tendon grafts, nerve grafts, fascial grafts, and composite grafts.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of the anatomy of the skull including suture lines, foramina, and structures exiting foramina; of the cranial nerves; of the facial bones, their ostia and bony relationships, and embryology; of the eye including normal dimensions, bony structures, the eyelids, the extraocular muscles, the innervation of the eye and adnexal structures, the vascular supply, and the lacrimal apparatus; of the ear including common measurements of the ear, relationships of the ear to other structures, and the vascular and sensory supply; of the nose and septum including bones and cartilages, nerve and vascular supply and he will be familiar with the physiology of the nose with particular reference to air flow and airway obstruction; of the oropharynx including muscular structures,	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	lymphatic drainage, and contiguous neurovascular structures and he will be familiar with the physiology of the oropharynx including palatal function, speech, and swallowing; of facial structures including facial muscles, facial layers and salivary glands.			
	Develop a detailed knowledge of the vascular structures of the skull, head and neck.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of the lymphatic drainage pattern of the head and neck structures and its relationship to the management of malignant tumors.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the methods for diagnosis and the options for treatment of squamous cell carcinoma of the head and neck (particularly the oropharynx), basal cell carcinoma and malignant melanoma and of benign and malignant processes of the salivary glands.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Develop a familiarity with the biology of the various implant materials including bone, cartilage, and alloplasts.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	Demonstrate knowledge of the local wound factors which influence bone graft survival and recognizes the biologic differences between vascularized and non-vascularized bone grafts.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the influence of perichondrium and on the warping of cartilage grafts.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Recognize the various types of breast implants and the factors involved in implant choice including surfaced content characteristics and is aware of the issues regarding silicone and is able to discuss these with a patient.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the effects of breast implant surface characteristics on formation of capsular contracture and recognizes the various injectable materials for subcutaneous filling and the principles of their use.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of the vascular, muscular, neural, and osseous anatomy of the lower extremity.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	Demonstrate an understanding of the various muscular and vascular anatomies of specific flaps including tensor fascia lata, vastus lateralis, rectus femoris, sartorius, gastrocnemius, gracilis, and biceps femoris flaps.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the concept of fasciocutaneous flaps and can design them on the distal lower extremity.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Develop knowledge of the cutaneous margins and vascular anatomy of foot flaps including medical plantar, lateral plantar, V-Y plantar, and dorsalis pedis-based flaps.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the physiology of arterial insufficiency, venous hypertension, and diabetes as they pertain to the lower extremity.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the indications for and timing of closure of soft tissue traumatic defects of the lower extremity.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	Develop a thorough knowledge of coverage techniques (including skin grafts, local skin flaps, distant flaps, musculocutaneous flaps, and free flaps) for soft tissue and bony closure of the lower extremity.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the management of infectious processes (including osteomyelitis) related to traumatic injuries of the lower extremity.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of the etiology and treatment of lymphedema (including nonoperative and operative measures).	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate a familiarity with the principles of microsurgery and recognizes the mechanisms and consequences of the no-reflow phenomenon; knows how to treat a failing flap.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the technologic, pharmacologic and physiologic principles of postoperative monitoring of free flaps.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of the basic physiology	Clinical	OSCE	Daily

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	of nerve injury (axonotmesis, neurotmesis, neuropraxia, Wallerian degeneration) and of nerve healing.	teaching/experience Lectures/seminars/conferences Preop conf Workshops	Case logs Record review CSR Skills evaluation Written evaluation	Weekly Biannually
	Demonstrate knowledge of the musculature; blood supply, lymphatic drainage and innervation of the trunk, abdominal wall and breast.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the glandular structure and function of the breasts and appreciate the hormonal influence on breast development and function.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Recognize differences in breast structure and function in adolescence, the reproductive years, pregnancy, lactation and menopause.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the basic principles and techniques of the surgical treatment of common developmental breast anomalies including amastia, Poland's syndrome, asymmetry, ectopic mammary tissue, virginal hypertrophy, gynecomastia, etc.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Develop a familiarity with chest wall embryology and anatomy as applied to developmental chest	Clinical teaching/experi	OSCE Case logs	Daily Weekly

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	wall deformities.	ence Lectures/seminars/conferences Preop conf Workshops	Record review CSR Skills evaluation Written evaluation	Biannually
	Recognize the physiologic consequences of developmental chest wall defects and understand the biologic behavior, histologic characteristics and clinical manifestations of malignancies of the breast.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate a familiarity with plastic surgical options for management of the opposite breast after mastectomy for carcinoma and the principles of long-term management of patients with breast carcinoma.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Develop a thorough knowledge of breast reconstruction including autologous tissue and the use of prosthetic devices.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the etiology of gynecomastia and is familiar with the various surgical options for treatment.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the basic principles of medical and surgical management of common acute traumatic trunk and breast injuries	Clinical teaching/experience	OSCE Case logs Record review	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	including sternal wounds.	Lectures/seminars/conferences Preop conf Workshops	CSR Skills evaluation Written evaluation	
	Demonstrate an understanding of the etiology and nonsurgical management of pressure sores (including preventive measures).	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Develop a detailed knowledge of surgical aspects of pressure sore reconstruction.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the physiology and biochemistry of normal and abnormal wound healing.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Develop familiarity with the pharmacologic agents and other non-surgical methods for treatment of abnormal healing of skin and subcutaneous tissue; and with the role of nutrition has in the wound healing process and understands the pathologic processes involved in keloid formation and the methods available to treat keloids.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of common agents for local anesthesia (esters and amides), regional anesthesia and general anesthesia (intravenous	Clinical teaching/experience	OSCE Case logs Record review	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	agents, inhalation agents, muscle relaxants, antiemetics, etc).	Lectures/seminars/conferences Preop conf Workshops	CSR Skills evaluation Written evaluation	
	Demonstrate knowledge of the principles and the techniques for administration of local anesthesia and understand the pharmacology and safe utilization of agents in "conscious sedation."	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of normal skin anatomy, circulation and how it is impacted by injury.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the physiologic changes, which occur with thermal or traumatic injury.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the relationship between duration of exposure and temperature and the specific changes which occur in the zone of coagulation, stasis, and hyperemia.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the pathophysiology and treatment of inhalation injuries and carbon monoxide poisoning.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
		rs/conferences Preop conf Workshops	Skills evaluation Written evaluation	
	Demonstrate an understanding of the pathophysiologic changes unique to chemical burns.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the pharmacology and utilization of topical antibacterial agents, analgesics and antibiotics in the treatment of burns.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
Practice Based Learning and Improvement	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	See General Plastic Surgery Goals and Objectives			
Interpersonal and Communication Skills	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	See General Plastic Surgery Goals and Objectives			
Professionalism	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	See General Plastic Surgery Goals and Objectives			
Systems-Based Practice	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	See General Plastic Surgery Goals and Objectives			

**Methodist University Hospital  
Plastic Surgery Rotation  
PGY-6 (1<sup>st</sup> year Resident)**

By the end of the Plastic Surgery Rotation at Methodist, the PGY-6 residents are expected to expand and cultivate knowledge and skills developed during previous training and to achieve the following goals and objectives based on the six general competencies.

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
Patient Care	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	<p>Demonstrate a familiarity with the clinical presentation of benign and malignant cutaneous lesions and generalized skin disorders.</p> <p>Formulate a definitive treatment plan for the particular lesion in question choosing a surgical or nonsurgical treatment modality, which best suits the lesion (based on size, anatomical location and physical condition of the patient).</p> <p>Demonstrate a familiarity with other treatment modalities including (but not limited to) x-ray therapy, Mohs micrographic surgery, cryotherapy, laser therapy and topical chemotherapy.</p> <p>Educate and discuss the nature of the lesion, its extent, treatment options and long-term results to patients and their families.</p> <p>Formulate a definitive treatment plan for regional or distant spread of malignant cutaneous tumors.</p>	<p>Clinical teaching/experience</p> <p>Lectures/seminars/conferences</p> <p>Preop conf</p> <p>Workshops</p>	<p>OSCE</p> <p>Case logs</p> <p>Record review</p> <p>CSR</p> <p>Skills evaluation</p> <p>Written evaluation</p>	<p>Daily</p> <p>Weekly</p> <p>Biannually</p>
<p>Under guidance and supervision of faculty, perform the following plastic surgery procedures including but not limited to:</p> <ul style="list-style-type: none"> <li>• All invasive diagnostic studies including (but not limited to): direct incisional and excisional biopsy, needle biopsy, punch biopsy; recognizes under which circumstances each should be used</li> <li>• Extirpative surgery of a variety of benign and malignant cutaneous lesions and associated locoregional disease, choosing the optimal surgical incision or excision for the particular region to be treated</li> <li>• Complex procedures for the reconstruction of surgically created wounds (including skin grafts, local or distant flaps, or free tissue transfer) resulting from skin tumor extirpation</li> </ul>	<p>Clinical teaching/experience</p> <p>Lectures/seminars/conferences</p> <p>Preop conf</p> <p>Workshops</p>	<p>OSCE</p> <p>Case logs</p> <p>Record review</p> <p>CSR</p> <p>Skills evaluation</p> <p>Written evaluation</p>	<p>Daily</p> <p>Weekly</p> <p>Biannually</p>	

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	<ul style="list-style-type: none"> <li>• Debride and close wounds acute and chronic of the upper extremity</li> <li>• Skin grafting and flap closure of soft tissue defects of the upper extremity</li> <li>• Immobilization and splinting</li> <li>• Surgical and nonsurgical procedures of common congenital disorders of the head and neck</li> <li>• Primary and secondary surgery on patients with common congenital disorders of the head and neck, chest, trunk and extremities</li> <li>• Closed reductions, open reductions, internal fixations, and bone grafting</li> <li>• Special grafting techniques including dermabrasion, xenografts, cadaver grafts, skin matrix and synthetic or chemically manipulated materials</li> <li>• Operations incorporating the full spectrum of flaps and grafts including skin grafts, local flaps, fascial and musculocutaneous flaps, free tissue transfers, bone grafts, composite grafts</li> <li>• Specific grafting techniques including the operation of various types of dermatomes, management of graft donor sites, and care of graft recipient sites</li> <li>• Microsurgery techniques including micro-neural repair and microsurgical anastomosis</li> <li>• Surgical techniques to alter scar (such as Z-plasty, W-plasty) and recognize the various lines of the skin (such as Relaxed Skin Tension Lines) and their importance in placement of incisions for maximum aesthetic benefit.</li> </ul> <p>Diagnose, evaluate, and manage patients with the following conditions that require plastic surgery including but not limited to:</p> <ul style="list-style-type: none"> <li>• Simple and complex cutaneous lesions and</li> </ul>	<p>Clinical teaching/experience</p> <p>Lectures/seminars</p>	<p>OSCE</p> <p>Case logs</p> <p>Record review</p> <p>CSR</p>	<p>Daily</p> <p>Weekly</p> <p>Biannually</p>

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	<p>proceed with diagnostic steps necessary to secure a definitive diagnosis</p> <ul style="list-style-type: none"> <li>• Nerve, tendon, fingertip and bony injuries</li> <li>• Upper extremity infections</li> <li>• Minor and major soft tissue injuries of the face including injuries to the facial nerve, lacrimal apparatus and parotid gland</li> <li>• Closed and open fractures of the facial skeleton</li> <li>• Fractures of the facial skeleton</li> <li>• Maxillary, mandibular, orbital, nasoethmoidal, frontal, zygoma and zygomatic arch fractures; the potential complications of such treatment (including malposition, deformity, malocclusion, etc); the management of these complications</li> <li>• Complications of flaps and grafts including skin graft loss, flap necrosis, wound dehiscence and wound infection.</li> <li>• Complex wound problems such as dehiscence, delayed healing, multiple traumatic wounds and evaluate patients with scar problems and revise scars to achieve maximum functional and aesthetic benefit.</li> </ul>	<p>rs/conferences Preop conf Workshops</p>	<p>Skills evaluation Written evaluation</p>	
	<p>Perform physical examination of the hand and upper extremity in both normal and pathologic states.</p>	<p>Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops</p>	<p>OSCE Case logs Record review CSR Skills evaluation Written evaluation</p>	<p>Daily Weekly Biannually</p>
	<p>Obtain and interpret radiographs and other diagnostic images for evaluation of traumatic, congenital and degenerative problems of the hand and upper extremity.</p>	<p>Clinical teaching/experience Lectures/seminars/conferences Preop conf</p>	<p>OSCE Case logs Record review CSR Skills evaluation Written evaluation</p>	<p>Daily Weekly Biannually</p>

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
		Workshops		
	Direct rehabilitation of upper extremity trauma following surgical treatment.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Participate in the surgical planning for patients with common congenital disorders of the head and neck including cleft lip and palate and craniosynostosis.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Utilize of the operating microscope and understand the indications for, the contraindication to, and the techniques for accomplishing replantation of amputated parts.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate a familiarity with the tissue composition of free flaps and know the anatomy for harvesting the most common free flaps.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Recognize the indications for harvesting various flaps and matching specific donor sites to specific recipient site needs and manage the long-term aspects, including donor site problems, of patients who have undergone free tissue transfers.	Clinical teaching/experience Lectures/seminars/conferences	OSCE Case logs Record review CSR Skills evaluation	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	Assess any wound and be able to formulate an optimal treatment plan.	Preop conf Workshops Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	Written evaluation OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Manage dressings, splints and other devices and techniques utilized in wound management.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding when surgical debridement is necessary and the correct use of pharmacologic wound manipulating agents.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Manage patients postoperatively after surgical treatment of facial fractures.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Participate in the decision as to which technique of anesthesia should be used on his patients.	Clinical teaching/experience Lectures/seminars/conferences Preop conf	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	Utilize the techniques of local anesthesia and carry out emergency management of burn and trauma patients.	Workshops Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Manage all plastic surgical patients postoperatively.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Recognize the Rule of Nines, the use of more detailed body surface charts, and the difference in relative body surface area comparing children to adults.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of the parameters, which define major, moderate and minor burns.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the various factors, in addition to body surface area, which affect prognosis of a patient with a thermal injury.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	Demonstrate an understanding of the principles and techniques of fluid resuscitation.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Recognize injuries and sequelae associated with electrical injuries.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of principles pertinent to burn rehabilitation and reconstruction including aesthetic units of the face, tissue expansion, hair transplantation and hand splinting.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
Medical Knowledge	Demonstrate an understanding of the natural history of benign lesions and the pathophysiology of malignant lesions.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the histologic grading and clinical staging systems currently in use for the malignant and premalignant skin tumors.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	Demonstrate an understanding of the lymphatic drainage pattern of the head and neck structures and its relationship to the management of malignant tumors.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of the methods for diagnosis and the options for treatment of squamous cell carcinoma of the head and neck, basal cell carcinoma and malignant melanoma.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Develop a detailed knowledge of the anatomy of the muscles, tendons, and ligaments of the hand and upper extremity and of the vascular tree and major nerves of the upper extremity including relationships to the surrounding structures.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the functional anatomy of the upper extremity including the cutaneous cover.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate familiarity with the spectrum of congenital abnormalities of the upper extremity.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the principles of	Clinical	OSCE	Daily

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	diagnosis and treatment of upper extremity tumors.	teaching/experience Lectures/seminars/conferences Preop conf Workshops	Case logs Record review CSR Skills evaluation Written evaluation	Weekly Biannually
	Demonstrate knowledge of the clinical techniques for physical examination of the hand.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of the techniques for operative and nonoperative management of traumatic injuries of the upper extremity, their indications and contraindications, and their potential complications and treatment thereof.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrates knowledge of the nerve compression and entrapment syndromes of the upper extremity and understand the basic principles of their treatment.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate familiarity with the pathologic anatomy and physiology of upper extremity joint contractures and Dupuytren's disease.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of the anatomy of the facial bones, their ostia and bony relationships,	Clinical teaching/experi	OSCE Case logs	Daily Weekly

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	and embryology.	ence Lectures/seminars/conferences Preop conf Workshops	Record review CSR Skills evaluation Written evaluation	Biannually
	Demonstrate a familiarity with the general principles of embryology of the head and neck, with special reference to the development of the facial structures including lip, palate and ear.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate intimate knowledge of the common congenital disorders of the head and neck including cleft lip and palate, craniofacial syndromes, vascular malformations, auricular abnormalities.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of the priorities involved in treating patients with multiple trauma, the timing of treatment of head and neck injuries, and the indications for endotracheal intubation and tracheostomy in such patients.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of an orderly, systematic approach to the physical examination of patients with facial trauma.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	Demonstrate an understanding of the indications for specific diagnostic studies including conventional radiography, Panorex films, computer-assisted tomography, three-dimensional CT scan imaging, and magnetic resonance imaging.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Appreciate the mechanical properties of the facial skeleton and patterns of injury associated with facial trauma including associated cervical and cranial trauma.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the management of open facial injuries including: anesthesia, local wound care, principles of debridement, and biologic features, which distinguish facial injuries from those in other locations.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the concepts of primary bone healing, malunion, nonunion and osteomyelitis.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Recognize the indications for operative treatment of facial fractures.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of the advantages and	Clinical	OSCE	Daily

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	disadvantages of various techniques for treatment of facial fractures including nonoperative treatment, closed reduction, mandibulomaxillary fixation, open reduction with and without fixation, wire fixation, compressive and non-compressive fixation, intraoral splints, external fixation (including halo and biphasic techniques) and bone grafting.	teaching/experience Lectures/seminars/conferences Preop conf Workshops	Case logs Record review CSR Skills evaluation Written evaluation	Weekly Biannually
	Demonstrate an understanding of the physiology of flaps and grafts, is thoroughly familiar with surgery in all types of flaps and grafts, and can design and utilizes flaps effectively for reconstruction in the full spectrum of plastic surgical practice.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the terminology of flap movement, composition and vascular supply.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Recognize the physiology of normal flaps, ischemic flaps, and the "delay" phenomenon.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the specific physiology of split and full thickness skin grafts, dermal grafts, cartilage grafts, bone grafts, tendon grafts, nerve grafts, fascial grafts, and composite grafts.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	Demonstrate a familiarity with the principles of microsurgery and recognizes the mechanisms and consequences of the no-reflow phenomenon; knows how to treat a failing flap.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the technologic, pharmacologic and physiologic principles of postoperative monitoring of free flaps.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of the basic physiology of nerve injury (axonotmesis, neurotmesis, neuropraxia, Wallerian degeneration) and of nerve healing.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the physiology and biochemistry of normal and abnormal wound healing.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate a familiarity with the pharmacologic agents and other non-surgical methods for treatment of abnormal healing of skin and subcutaneous tissue.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate a familiar with the role of nutrition	Clinical	OSCE	Daily

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	has in the wound healing process and understands the pathologic processes involved in keloid formation and the methods available to treat keloids.	teaching/experience Lectures/seminars/conferences Preop conf Workshops	Case logs Record review CSR Skills evaluation Written evaluation	Weekly Biannually
	Demonstrate knowledge of common agents for local anesthesia (esters and amides), regional anesthesia and general anesthesia (intravenous agents, inhalation agents, muscle relaxants, antiemetics, etc).	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of the principles and the techniques for administration of local anesthesia and understand the pharmacology and safe utilization of agents in "conscious sedation."	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of normal skin anatomy, circulation and how it is impacted by injury.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the physiologic changes, which occur with thermal or traumatic injury.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the relationship between duration of exposure and temperature	Clinical teaching/experi	OSCE Case logs	Daily Weekly

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	and the specific changes which occur in the zone of coagulation, stasis, and hyperemia.	ence Lectures/seminars/conferences Preop conf Workshops	Record review CSR Skills evaluation Written evaluation	Biannually
	Demonstrate an understanding of the pathophysiology and treatment of inhalation injuries and carbon monoxide poisoning.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the pathophysiologic changes unique to chemical burns.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the pharmacology and utilization of topical antibacterial agents, analgesics and antibiotics in the treatment of burns.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
Practice Based Learning and Improvement	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	See General Plastic Surgery Goals and Objectives			
Interpersonal and Communication Skills	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	See General Plastic Surgery Goals and Objectives			
Professionalism	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	See General Plastic Surgery Goals and Objectives			
Systems-Based Practice	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	See General Plastic Surgery Goals and Objectives			

**Veteran’s Administration Medical Center  
Plastic Surgery Rotation  
PGY-6 (1<sup>st</sup> year Resident)**

By the end of the Plastic Surgery Rotation at the VAMC, the PGY-6 residents are expected to expand and cultivate knowledge and skills developed during previous training and to achieve the following goals and objectives based on the six general competencies.

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
Patient Care	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	<p>Demonstrate a familiarity with the clinical presentation of benign and malignant cutaneous lesions and generalized skin disorders.</p>	<p>Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops</p>	<p>OSCE Case logs Record review CSR Skills evaluation Written evaluation</p>	<p>Daily Weekly Biannually</p>
	<p>Diagnose, evaluate and treat patients with the following conditions that require plastic surgery, including but not limited to:</p> <ul style="list-style-type: none"> <li>• Simple and complex cutaneous lesions and proceed with diagnostic steps necessary to secure a definitive diagnosis</li> <li>• Nerve, tendon, fingertip and bony injuries</li> <li>• Upper extremity infections</li> <li>• Minor and major soft tissue injuries of the face including injuries to the facial nerve, lacrimal apparatus and parotid gland.</li> <li>• Closed and open fractures of the facial skeleton.</li> <li>• Fractures of the facial skeleton</li> <li>• Maxillary, mandibular, orbital, nasoethmoidal, frontal, zygoma and zygomatic arch fractures; the potential complications of such treatment (including malposition, deformity, malocclusion, etc); the management of these</li> </ul>	<p>Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops</p>	<p>OSCE Case logs Record review CSR Skills evaluation Written evaluation</p>	<p>Daily Weekly Biannually</p>

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	<p>complications</p> <ul style="list-style-type: none"> <li>• Complications of flaps and grafts including skin graft loss, flap necrosis, wound dehiscence and wound infection</li> <li>• Congenital and post-surgical breast deformities.</li> <li>• Pressure sores</li> <li>• Mammary hypertrophy</li> <li>• Complex wound problems such as dehiscence, delayed healing, multiple traumatic wounds and evaluate patients with scar problems and revise scars to achieve maximum functional and aesthetic benefit</li> </ul>			
	Formulate a definitive treatment plan for the particular lesion in question choosing a surgical or nonsurgical treatment modality, which best suits the lesion (based on size, anatomical location and physical condition of the patient).	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate a familiarity with other treatment modalities including (but not limited to) x-ray therapy, Mohs micrographic surgery, cryotherapy, laser therapy and topical chemotherapy.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Discuss the nature of the lesion, its extent, treatment options and long-term results with the patient and their family.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Formulate a definitive treatment plan for regional or distant spread of malignant cutaneous tumors.	Clinical teaching/experi	OSCE Case logs	Daily Weekly

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	<p>Under guidance and supervision of faculty, perform the following plastic surgery procedures including but not limited to:</p> <ul style="list-style-type: none"> <li>• All invasive diagnostic studies including (but not limited to): direct incisional and excisional biopsy, needle biopsy, punch biopsy; recognizes under which circumstances each should be used</li> <li>• Extirpative surgery of a variety of benign and malignant cutaneous lesions and associated locoregional disease, choosing the optimal surgical incision or excision for the particular region to be treated</li> <li>• Complex procedures for the reconstruction of surgically created wounds (including skin grafts, local or distant flaps, or free tissue transfer) resulting from skin tumor extirpation</li> <li>• Debride and close wounds acute and chronic of the upper extremity</li> <li>• Skin grafting and flap closure of soft tissue defects of the upper extremity.</li> <li>• Direct rehabilitation of upper extremity trauma following surgical treatment</li> <li>• Immobilization and splinting</li> <li>• Surgical and nonsurgical procedures of common congenital disorders of the head and neck</li> <li>• Primary and secondary surgery on patients with common congenital disorders of the head and neck, chest, trunk and extremities</li> <li>• Specific grafting techniques including the</li> </ul>	<p>ence Lectures/seminars/conferences Preop conf Workshops Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops</p>	<p>Record review CSR Skills evaluation Written evaluation OSCE Case logs Record review CSR Skills evaluation Written evaluation</p>	<p>Biannually  Daily Weekly Biannually</p>

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	<p>operation of various types of dermatomes, management of graft donor sites, and care of graft recipient sites</p> <ul style="list-style-type: none"> <li>• Special grafting techniques including dermabrasion, xenografts, cadaver grafts, skin matrix and synthetic or chemically manipulated materials</li> <li>• Operations incorporating the full spectrum of flaps and grafts including skin grafts, local flaps, fascial and musculocutaneous flaps, free tissue transfers, bone grafts, composite grafts</li> <li>• Breast reconstruction with various techniques, such as implants, tissue expanders and flaps</li> <li>• Nipple and areolar reconstruction</li> <li>• Surgical techniques to alter scar (such as Z-plasty, W-plasty) and recognize the various lines of the skin (such as Relaxed Skin Tension Lines) and their importance in placement of incisions for maximum aesthetic benefit</li> <li>• Closed reductions, open reductions, internal fixations, and bone grafting</li> <li>• Basic microsurgery techniques including micro-neural repair and microsurgical anastomosis.</li> </ul>			
	Perform physical examination of the hand and upper extremity in both normal and pathologic states.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Obtain and interpret radiographs and other diagnostic images for evaluation of traumatic, congenital and degenerative problems of the hand and upper extremity.	Clinical teaching/experience Lectures/seminars/conferences	OSCE Case logs Record review CSR Skills evaluation	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
		Preop conf Workshops	Written evaluation	
	Participate in the surgical planning for patients with common congenital disorders of the head and neck including cleft lip and palate and craniosynostosis.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Utilize the operating microscope and understand the indications for, the contraindication to, and the techniques for accomplishing replantation of amputated parts.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate a familiarity with the tissue composition of free flaps and know the anatomy for harvesting the most common free flaps.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Recognize the indications for harvesting various flaps and matching specific donor sites to specific recipient site needs and manage the long-term aspects, including donor site problems, of patients who have undergone free tissue transfers.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Formulate a reconstructive plan for patients with pressure sores.	Clinical teaching/experience Lectures/seminars	OSCE Case logs Record review CSR	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
		rs/conferences Preop conf Workshops	Skills evaluation Written evaluation	
	Evaluate patients with mammary hypertrophy, marks and operates upon them, and performs postoperative care.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Formulate a care plan for patients with both malignant and infectious chest wall pathology.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Assess any wound and be able to formulate an optimal treatment plan.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Manage dressings, splints and other devices and techniques utilized in wound management.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of when surgical debridement is necessary and the correct use of pharmacologic wound manipulating agents.	Clinical teaching/experience Lectures/seminars/conferences	OSCE Case logs Record review CSR Skills evaluation	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
		Preop conf Workshops	Written evaluation	
	Manage patients postoperatively after surgical treatment of facial fractures.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Participate in the decision as to which technique of anesthesia should be used on his patients.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Utilize the techniques of local anesthesia and carry out emergency management of burn and trauma patients.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Manage all plastic surgical patients postoperatively.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Recognize the Rule of Nines, the use of more detailed body surface charts, and the difference in relative body surface area comparing children to adults.	Clinical teaching/experience Lectures/seminars/conferences Preop conf	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
		Workshops		
	Demonstrate knowledge of the parameters, which define major, moderate and minor burns.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the various factors, in addition to body surface area, which affect prognosis of a patient with a thermal injury.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the principles and techniques of fluid resuscitation.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Recognize injuries and sequelae associated with electrical injuries.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of principles pertinent to burn rehabilitation and reconstruction including aesthetic units of the face, tissue expansion, hair transplantation and hand splinting.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
Medical Knowledge	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	Demonstrate an understanding of the natural history of benign lesions and the pathophysiology of malignant lesions.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of histologic grading and clinical staging systems currently in use for the malignant and premalignant skin tumors.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the lymphatic drainage pattern of the head and neck structures and its relationship to the management of malignant tumors.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of the methods for diagnosis and the options for treatment of squamous cell carcinoma of the head and neck, basal cell carcinoma and malignant melanoma.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Develop a detailed knowledge of the anatomy of the muscles, tendons, and ligaments of the hand and upper extremity; of the vascular tree and major nerves of the upper extremity including relationships to the surrounding structures; of the upper extremity including the cutaneous cover.	Clinical teaching/experience Lectures/seminars/conferences Preop conf	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
		Workshops		
	Demonstrate familiar with the spectrum of congenital abnormalities of the upper extremity.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the principles of diagnosis and treatment of upper extremity tumors.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge the clinical techniques for physical examination of the hand.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of the techniques for operative and nonoperative management of traumatic injuries of the upper extremity, their indications and contraindications, and their potential complications and treatment thereof.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of the nerve compression and entrapment syndromes of the upper extremity and understand the basic principles of their treatment.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	Demonstrate a familiarity with the pathologic anatomy and physiology of upper extremity joint contractures and Dupuytren's disease.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of the anatomy of the facial bones, their ostia and bony relationships, and embryology.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Develop a familiarity with the general principles of embryology of the head and neck, with special reference to the development of the facial structures including lip, palate and ear.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate intimate knowledge of the common congenital disorders of the head and neck including cleft lip and palate, craniofacial syndromes, vascular malformations, auricular abnormalities.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of the priorities involved in treating patients with multiple trauma, the timing of treatment of head and neck injuries, and the indications for endotracheal intubation and tracheostomy in such patients.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of an orderly, systematic	Clinical	OSCE	Daily

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	approach to the physical examination of patients with facial trauma.	teaching/experience Lectures/seminars/conferences Preop conf Workshops	Case logs Record review CSR Skills evaluation Written evaluation	Weekly Biannually
	Demonstrate an understanding of the indications for specific diagnostic studies including conventional radiography, Panorex films, computer-assisted tomography, three-dimensional CT scan imaging, and magnetic resonance imaging.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Appreciate the mechanical properties of the facial skeleton and patterns of injury associated with facial trauma including associated cervical and cranial trauma.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the management of open facial injuries including: anesthesia, local wound care, principles of debridement, and biologic features, which distinguish facial injuries from those in other locations.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the concepts of primary bone healing, malunion, nonunion and osteomyelitis.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Recognize the indications for operative treatment of facial fractures.	Clinical teaching/experi	OSCE Case logs	Daily Weekly

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
		ence Lectures/seminars/conferences Preop conf Workshops	Record review CSR Skills evaluation Written evaluation	Biannually
	Demonstrate knowledge of the advantages and disadvantages of various techniques for treatment of facial fractures including nonoperative treatment, closed reduction, mandibulomaxillary fixation, open reduction with and without fixation, wire fixation, compressive and non-compressive fixation, intraoral splints, external fixation (including halo and biphasic techniques) and bone grafting.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the physiology of flaps and grafts, is thoroughly familiar with surgery in all types of flaps and grafts, and can design and utilizes flaps effectively for reconstruction in the full spectrum of plastic surgical practice.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the terminology of flap movement, composition and vascular supply.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Recognize the physiology of normal flaps, ischemic flaps, and the "delay" phenomenon.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the specific	Clinical	OSCE	Daily

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	physiology of split and full thickness skin grafts, dermal grafts, cartilage grafts, bone grafts, tendon grafts, nerve grafts, fascial grafts, and composite grafts.	teaching/experience Lectures/seminars/conferences Preop conf Workshops	Case logs Record review CSR Skills evaluation Written evaluation	Weekly Biannually
	Demonstrate a familiarity with the principles of microsurgery and recognizes the mechanisms and consequences of the no-reflow phenomenon; knows how to treat a failing flap.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the technologic, pharmacologic and physiologic principles of postoperative monitoring of free flaps.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of the basic physiology of nerve injury (axonotmesis, neurotmesis, neuropraxia, Wallerian degeneration) and of nerve healing.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of the musculature; blood supply, lymphatic drainage and innervation of the trunk, abdominal wall and breast.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the glandular structure and function of the breasts and	Clinical teaching/experi	OSCE Case logs	Daily Weekly

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	appreciate the hormonal influence on breast development and function.	ence Lectures/seminars/conferences Preop conf Workshops	Record review CSR Skills evaluation Written evaluation	Biannually
	Recognize differences in breast structure and function in adolescence, the reproductive years, pregnancy, lactation and menopause.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the basic principles and techniques of the surgical treatment of common developmental breast anomalies including amastia, Poland's syndrome, asymmetry, ectopic mammary tissue, virginal hypertrophy, gynecomastia, etc.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate familiarity with chest wall embryology and anatomy as applied to developmental chest wall deformities.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Recognize the physiologic consequences of developmental chest wall defects and understand the biologic behavior, histologic characteristics and clinical manifestations of malignancies of the breast.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate familiarity with plastic surgical options for management of the opposite breast after mastectomy for carcinoma and the	Clinical teaching/experience	OSCE Case logs Record review	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	principles of long-term management of patients with breast carcinoma.	Lectures/seminars/conferences Preop conf Workshops	CSR Skills evaluation Written evaluation	
	Develop a thorough knowledge of breast reconstruction including autologous tissue and the use of prosthetic devices.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the etiology of gynecomastia and is familiar with the various surgical options for treatment.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the basic principles of medical and surgical management of common acute traumatic trunk and breast injuries including sternal wounds.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the etiology and nonsurgical management of pressure sores (including preventive measures).	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Develop a detailed knowledge of surgical aspects of pressure sore reconstruction.	Clinical teaching/experience Lectures/seminars/conferences	OSCE Case logs Record review CSR	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
		rs/conferences Preop conf Workshops	Skills evaluation Written evaluation	
	Demonstrate an understanding of the physiology and biochemistry of normal and abnormal wound healing.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Develop a familiarity with the pharmacologic agents and other non-surgical methods for treatment of abnormal healing of skin and subcutaneous tissue.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Develop a familiarity with the role of nutrition has in the wound healing process and understands the pathologic processes involved in keloid formation and the methods available to treat keloids.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of common agents for local anesthesia (esters and amides), regional anesthesia and general anesthesia (intravenous agents, inhalation agents, muscle relaxants, antiemetics, etc).	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of the principles and the techniques for administration of local anesthesia and understand the pharmacology and safe utilization of agents in "conscious sedation."	Clinical teaching/experience Lectures/seminars/conferences	OSCE Case logs Record review CSR Skills evaluation	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
		Preop conf Workshops	Written evaluation	
	Demonstrate an understanding of normal skin anatomy, circulation and how it is impacted by injury.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the physiologic changes, which occur with thermal or traumatic injury.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the relationship between duration of exposure and temperature and the specific changes which occur in the zone of coagulation, stasis, and hyperemia.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the pathophysiology and treatment of inhalation injuries and carbon monoxide poisoning.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the pathophysiologic changes unique to chemical burns.	Clinical teaching/experience Lectures/seminars/conferences Preop conf	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	Demonstrate an understanding of the pharmacology and utilization of topical antibacterial agents, analgesics and antibiotics in the treatment of burns.	Workshops Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
Practice Based Learning and Improvement	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	See General Plastic Surgery Goals and Objectives			
Interpersonal and Communication Skills	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	See General Plastic Surgery Goals and Objectives			
Professionalism	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	See General Plastic Surgery Goals and Objectives			
Systems-Based Practice	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	See General Plastic Surgery Goals and Objectives			

**LeBonheur Children's Hospital/Aesthetic Surgery  
Plastic Surgery Rotation  
PGY-7 (2<sup>nd</sup> year Resident)**

By the end of the Plastic Surgery Rotation at LeBonheur Children's Hospital and Aesthetic Surgery, the PGY-7 residents are expected to expand and cultivate knowledge and skills developed during previous training and to achieve the following goals and objectives based on the six general competencies.

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
Patient Care	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	Under the guidance and supervision of faculty, perform the following procedures including but not limited to: <ul style="list-style-type: none"> <li>Rhytidectomy, suction lipectomy, brow lift, blepharoplasty and other methods for treatment of the aging face and body</li> </ul>	Clinical teaching/experience Lectures/seminars/conferences Preop conf	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	<ul style="list-style-type: none"> <li>• Surgical therapy for patients with aging face including rhytidectomy, brow lift, blepharoplasty and understand open and endoscopic techniques</li> <li>• Otoplasty</li> <li>• Aesthetic procedures on patients with massive weight loss</li> <li>• Surgical and nonsurgical procedures of common congenital disorders of the head and neck</li> <li>• Primary and secondary surgery on patients with common congenital disorders of the head and neck, chest, trunk and extremities</li> <li>• Closed reductions, open reductions, internal fixations, and bone grafting</li> <li>• Special grafting techniques including dermabrasion, xenografts, cadaver grafts, skin matrix and synthetic or chemically manipulated materials</li> <li>• Operations incorporating the full spectrum of flaps and grafts including skin grafts, local flaps, fascial and musculocutaneous flaps, free tissue transfers, bone grafts, composite grafts</li> <li>• Specific grafting techniques including the operation of various types of dermatomes, management of graft donor sites, and care of graft recipient sites</li> <li>• Surgical procedures using solid and injectable implant materials</li> <li>• Carve autografts and alloplastic implants</li> </ul>	Workshops		
	Demonstrate an understanding of the complications of facial aesthetic surgery, their prevention and treatment.	Clinical teaching/experience Lectures/seminars/conferences Preop conf	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	<p>Diagnose, evaluate, and treat patients with the following conditions needing plastic surgery including but not limited to:</p> <ul style="list-style-type: none"> <li>• Mammary ptosis. mammary hypoplasia including both acute management and the care of patients with late problems (such as capsular contracture)</li> <li>• Aesthetic deformity of the abdomen, trunk and lower extremity and performs abdominoplasty, panniculectomy, and abdominal suction lipectomy</li> <li>• Nasal deformities and perform rhinoplasty and septal surgery</li> <li>• Aesthetic problems of the ear</li> <li>• Common congenital disorders of the head and neck including cleft lip and palate and Craniosynostosis as related to pediatric patients</li> <li>• Minor and major soft tissue injuries of the face including injuries to the facial nerve, lacrimal apparatus and parotid gland as related to pediatric patients</li> <li>• Closed and open fractures of the facial skeleton as related to pediatric patients</li> <li>• Fractures of the facial skeleton as related to pediatric patients</li> <li>• Maxillary, mandibular, orbital, nasoethmoidal, frontal, zygoma and zygomatic arch fractures; the potential complications of such treatment (including malposition, deformity, malocclusion, etc); the management of these complications as related to pediatric patients</li> <li>• Complications of flaps and grafts including skin graft loss, flap necrosis, wound dehiscence and wound infection as related to pediatric patients</li> </ul>	<p>Workshops</p> <p>Clinical teaching/experience</p> <p>Lectures/seminars/conferences</p> <p>Preop conf</p> <p>Workshops</p>	<p>OSCE</p> <p>Case logs</p> <p>Record review</p> <p>CSR</p> <p>Skills evaluation</p> <p>Written evaluation</p>	<p>Daily</p> <p>Weekly</p> <p>Biannually</p>

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	Recognize common skin malignancies and formulate plan to include staging, extirpation and reconstruction.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate a familiarity with the pathologic interpretation of common skin malignancies. Demonstrate an understanding of the process of Mohs surgery.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Participate in the surgical planning for patients with common congenital disorders of the head and neck including cleft lip and palate and craniosynostosis.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Manage patients postoperatively after surgical treatment of facial fractures.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Develop an understanding of the basic principles of medical treatment of generalized skin disorders and can recognizes common inflammatory disorders of the skin such as impetigo, cellulitis, lymphangitis, hidradenitis suppurativa, necrotizing fasciitis and is familiar with medical management and surgical treatment of inflammatory disorders of the skin.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	Practice common techniques and the instrumentation of suction lipectomy.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of the indications for and contraindications to suction lipectomy.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the principles of preoperative assessment and recognize the limitations of liposuction.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Preoperative, intraoperative and postoperative management of the patient undergoing suction lipectomy and will be familiar with the complications of liposuction and their management.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge the principles of management of patients undergoing tissue expansion; recognizes the complications of tissue expansion and is competent in their treatment.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Utilize the instrumentation and techniques for	Clinical	OSCE	Daily

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	dermabrasion and laser resurfacing.	teaching/experience Lectures/seminars/conferences Preop conf Workshops	Case logs Record review CSR Skills evaluation Written evaluation	Weekly Biannually
	Pre and postoperatively manage patients undergoing facial resurfacing and can recognize the complications of the technique and their management.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Participate in the decision as to which technique of anesthesia should be used on his patients.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Utilize the techniques of local anesthesia and carry out emergency management of burn and trauma patients.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Manage all plastic surgical patients postoperatively.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Recognize the Rule of Nines, the use of more detailed body surface charts, and the difference in	Clinical teaching/experi	OSCE Case logs	Daily Weekly

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	relative body surface area comparing children to adults.	ence Lectures/seminars/conferences Preop conf Workshops	Record review CSR Skills evaluation Written evaluation	Biannually
	Demonstrate knowledge of the parameters, which define major, moderate and minor burns.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the various factors, in addition to body surface area, which affect prognosis of a patient with a thermal injury.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the principles and techniques of fluid resuscitation.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Recognize injuries and sequelae associated with electrical injuries.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of principles pertinent to burn rehabilitation and reconstruction including aesthetic units of the face, tissue	Clinical teaching/experience	OSCE Case logs Record review	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	expansion, hair transplantation and hand splinting.	Lectures/seminars/conferences Preop conf Workshops	CSR Skills evaluation Written evaluation	
	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	Demonstrate an understanding of the medical and legal perspectives of the contractual agreement between a physician and his/her patient.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
Medical Knowledge	Demonstrate an understanding of the concepts of informed consent and implied guarantee and understands the role of the medical record as a legal document.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the impact a physical deformity can have on patients and their families.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Utilizes various techniques to explore the motivations of patients seeking cosmetic surgery, and how to distinguish acceptable, unacceptable, and pathological motivations.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Obtain informed consent from all patients and effectively documents the consent agreement.	Clinical teaching/experi	OSCE Case logs	Daily Weekly

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
		ence Lectures/seminars/conferences Preop conf Workshops	Record review CSR Skills evaluation Written evaluation	Biannually
	Evaluate patients for aesthetic surgery from a physical and psychological perspective.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Contributes effectively and accurately to the medical record of both inpatients and outpatients.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Treat patients with physical deformity and explores the psychological aspects of their care.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of how to interview and evaluate the patient, especially the aesthetic surgery candidate.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of the coding of diagnoses by the ICD-9 system and the coding of procedures by the CPT system.	Clinical teaching/experience	OSCE Case logs Record review	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
		Lectures/seminars/conferences Preop conf Workshops	CSR Skills evaluation Written evaluation	
	Demonstrate an understanding of ethical principles as they relate to billing and coding.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of how to take and catalogue standardized medical photographs.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate a thorough familiarity with the principles of risk management.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Participate in outpatient management including both a clinic experience in which the resident has independent responsibility and observation of faculty managing private patients including the initial consultation and management of complications.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate a familiarity with concepts of beauty and aesthetic principles of the facial structures.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
		rs/conferences Preop conf Workshops	Skills evaluation Written evaluation	
	Recognize the varying effects of aging and sun exposure on the facial skin and structures.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Recognize the various aesthetic deformities of the ear and appreciates the principles and techniques of surgical correction.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate a familiarity with aesthetic and functional problems of the eyelid including blepharochalasis and ptosis and knows the treatment techniques for these problems, complications and their prevention.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the principles and techniques of aesthetic rhinoplasty	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Recognize the differences in approach between primary and secondary rhinoplasty.	Clinical teaching/experience Lectures/seminars/conferences	OSCE Case logs Record review CSR Skills evaluation	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
		Preop conf Workshops	Written evaluation	
	Demonstrate a familiarity with diagnostic and therapeutic techniques in the management of nasal airway obstruction.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the implication of Bariatric Surgery	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Appreciate the basic physiology of the aging process of the skin and will understand the basic physiologic processes of sun exposure on the skin.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the role of lasers in the management of various skin lesions and conditions.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the natural growth history of skin cancers and the value of Mohs Chemosurgery.	Clinical teaching/experience Lectures/seminars/conferences Preop conf	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	Demonstrate knowledge of the anatomy of the facial bones, their ostia and bony relationships, and embryology.	Workshops Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate a familiarity with the general principles of embryology of the head and neck, with special reference to the development of the facial structures including lip, palate and ear.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate intimate knowledge of the common congenital disorders of the head and neck including cleft lip and palate, craniofacial syndromes, vascular malformations, auricular abnormalities.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of the priorities involved in treating patients with multiple trauma, the timing of treatment of head and neck injuries, and the indications for endotracheal intubation and tracheostomy in such patients.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of an orderly, systematic approach to the physical examination of patients with facial trauma.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	Demonstrate an understanding of the indications for specific diagnostic studies including conventional radiography, Panorex films, computer-assisted tomography, three-dimensional CT scan imaging, and magnetic resonance imaging.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Appreciate the mechanical properties of the facial skeleton and patterns of injury associated with facial trauma including associated cervical and cranial trauma.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the management of open facial injuries including: anesthesia, local wound care, principles of debridement, and biologic features, which distinguish facial injuries from those in other locations.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the concepts of primary bone healing, malunion, nonunion and osteomyelitis.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Recognize the indications for operative treatment of facial fractures.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of the advantages and			

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	<p>disadvantages of various techniques for treatment of facial fractures including nonoperative treatment, closed reduction, mandibulomaxillary fixation, open reduction with and without fixation, wire fixation, compressive and non-compressive fixation, intraoral splints, external fixation (including halo and biphasic techniques) and bone grafting.</p> <p>Demonstrate an understanding of the physiology of flaps and grafts, is thoroughly familiar with surgery in all types of flaps and grafts, and can design and utilizes flaps effectively for reconstruction in the full spectrum of plastic surgical practice.</p> <p>Demonstrate an understanding of the terminology of flap movement, composition and vascular supply.</p> <p>Recognize the physiology of normal flaps, ischemic flaps, and the "delay" phenomenon.</p>			
	<p>Demonstrate an understanding of the specific physiology of split and full thickness skin grafts, dermal grafts, cartilage grafts, bone grafts, tendon grafts, nerve grafts, fascial grafts, and composite grafts.</p>			
	<p>Demonstrate knowledge of the basic physiology of the aging process of the skin and will understands the basic physiologic processes of sun exposure on the skin.</p> <p>Demonstrate knowledge of common generalized dermatologic disorders such as: scleroderma, dermatomyositis, and lupus erythematosus.</p> <p>Demonstrate a familiarity with the biology of the various implant materials including bone, cartilage, and alloplasts.</p> <p>Demonstrate knowledge the local wound factors which influence bone graft survival and</p>			

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	recognizes the biologic differences between vascularized and non-vascularized bone grafts.			
	Demonstrate an understanding of the influence of perichondrium and on the warping of cartilage grafts.			
	Recognize the various types of breast implants and the factors involved in implant choice including surfaced content characteristics and is aware of the issues regarding silicone and is able to discuss these with a patient.			
	Demonstrate an understanding of the effects of breast implant surface characteristics on formation of capsular contracture and recognizes the various injectable materials for subcutaneous filling and the principles of their use.			
	Demonstrate an understanding of the principles of a variety of special techniques in plastic surgery including: liposuction, tissue expansion, laser treatments, chemical peel and dermabrasion.			
	Demonstrate knowledge of the different injection techniques, fluid and suction limits and safety precautions for liposuction.			
	Demonstrate an understanding of the physiology of cavitation.			
	Demonstrate knowledge of the physiologic principles of tissue expansion and understand the various techniques for expansion.			
	Demonstrate an understanding of the physiologic principles of dermabrasion, chemical peel and laser resurfacing and recognize the differences between these techniques and the indications for one method over another.			
	Demonstrate knowledge of common agents for local anesthesia (esters and amides), regional anesthesia and general anesthesia (intravenous agents, inhalation agents, muscle relaxants,			

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	antiemetics, etc).			
	Demonstrate knowledge of the principles and the techniques for administration of local anesthesia and understand the pharmacology and safe utilization of agents in "conscious sedation."			
	Demonstrate an understanding of normal skin anatomy, circulation and how it is impacted by injury.			
	Demonstrate an understanding of the physiologic changes, which occur with thermal or traumatic injury.			
	Demonstrate an understanding of the relationship between duration of exposure and temperature and the specific changes which occur in the zone of coagulation, stasis, and hyperemia.			
	Demonstrate an understanding of the pathophysiology and treatment of inhalation injuries and carbon monoxide poisoning.			
	Demonstrate an understanding of the pathophysiologic changes unique to chemical burns.			
	Demonstrate an understanding of the pharmacology and utilization of topical antibacterial agents, analgesics and antibiotics in the treatment of burns.			
	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	See General Plastic Surgery Goals and Objectives			
Practice Based Learning and Improvement	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	See General Plastic Surgery Goals and Objectives			
Interpersonal and Communication Skills	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	See General Plastic Surgery Goals and Objectives			
Professionalism	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	See General Plastic Surgery Goals and Objectives			
Systems-Based				

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
Practice				

**Regional Medical Center (The MED)  
Plastic Surgery Rotation  
PGY-7 (2<sup>nd</sup> year Resident)**

By the end of the Plastic Surgery Rotation at the MED, the PGY-7 residents are expected to expand and cultivate knowledge and skills developed during previous training and to achieve the following goals and objectives based on the six general competencies.

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
Patient Care	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	Perform physical examination of the hand and upper extremity in both normal and pathologic states.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Obtain and interpret radiographs and other diagnostic images for evaluation of traumatic, congenital and degenerative problems of the hand and upper extremity.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Diagnose, evaluate and treat patients with the following conditions that require plastic surgery, including but not limited to: <ul style="list-style-type: none"> <li>• Upper extremity infections</li> <li>• Nerve, tendon, fingertip and bony injuries.</li> <li>• Benign and malignant conditions of the head</li> </ul>	Clinical teaching/experience Lectures/seminars/conferences Preop conf	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	<p>and neck</p> <ul style="list-style-type: none"> <li>• Lower extremity trauma and ulceration of a variety of etiologic origins</li> <li>• Congenital and post-surgical breast deformities</li> <li>• Pressure sores</li> <li>• Mammary hypertrophy</li> <li>• Complex wound problems such as dehiscence, delayed healing, multiple traumatic wounds and evaluate patients with scar problems and revise scars to achieve maximum functional and aesthetic benefit</li> </ul> <p>Under guidance and supervision of faculty, perform the following plastic surgery procedures including but not limited to:</p> <ul style="list-style-type: none"> <li>• Skin grafting and flap closure of soft tissue defects of the upper extremity</li> <li>• Specific grafting techniques including the operation of various types of dermatomes, management of graft donor sites, and care of graft recipient sites</li> <li>• Operations incorporating the full spectrum of flaps and grafts including skin grafts, local flaps, fascial and musculocutaneous flaps, free tissue transfers, bone grafts, composite grafts</li> <li>• Techniques available for appearance restoration and understand the specific reconstructive needs of special tissues such as oral mucosa, nasal lining, etc</li> <li>• Reconstruction of specific head and neck structures such as eyelid, lips, nose, oropharynx, ear, mandible, scalp and skull</li> <li>• Surgical procedures using solid and injectable implant materials</li> <li>• Carve autografts and alloplastic implants</li> <li>• Breast reconstruction with various techniques, such as implants, tissue expanders and flaps</li> </ul>	Workshops		

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	<ul style="list-style-type: none"> <li>• Nipple and areolar reconstruction</li> <li>• Techniques to alter scar (such as Z-plasty, W-plasty)</li> <li>• Debride and close wounds, acute and chronic of the upper extremity</li> </ul>			
	Direct rehabilitation of upper extremity trauma following surgical treatment.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Practice the principles of immobilization and splinting.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Apply special grafting techniques including dermabrasion, xenografts, cadaver grafts, skin matrix and synthetic or chemically manipulated materials.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Treat patients who have complications of flaps and grafts including skin graft loss, flap necrosis, wound dehiscence and wound infection.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Appreciate a non-operative and operative plan depending on the patient's diagnosis, age and condition.	Clinical teaching/experience	OSCE Case logs Record review	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
		Lectures/seminars/conferences Preop conf Workshops	CSR Skills evaluation Written evaluation	
	Formulate an applicable operative plan in relation to the reconstructive ladder.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Utilize flaps, grafts, tissue expansion, free flaps and/or alloplastic insertions for head and neck reconstruction.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Undertake perioperative management and surgical treatment of patients with major acute and chronic injuries of the lower extremities requiring reconstruction and resurfacing.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Master the basic microsurgery techniques including micro-neural repair and microsurgical anastomosis.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Utilize the operating microscope and understand the indications for, the contraindication to, and the techniques for accomplishing replantation of amputated parts.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
		rs/conferences Preop conf Workshops	Skills evaluation Written evaluation	
	Demonstrate a familiarity with the tissue composition of free flaps and know the anatomy for harvesting the most common free flaps.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Recognize the indications for harvesting various flaps and matching specific donor sites to specific recipient site needs and manage the long-term aspects, including donor site problems, of patients who have undergone free tissue transfers.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Formulate a reconstructive plan for patients with pressure sores.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Evaluate patients with mammary hypertrophy, marks and operates upon them, and performs postoperative care.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Formulate a care plan for patients with both malignant and infectious chest wall pathology	Clinical teaching/experience Lectures/seminars/conferences	OSCE Case logs Record review CSR Skills evaluation	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
		Preop conf Workshops	Written evaluation	
	Assess any wound and be able to formulate an optimal treatment plan.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Manage dressings, splints and other devices and techniques utilized in wound management.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding when surgical debridement is necessary and the correct use of pharmacologic wound manipulating agents.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Apply, plan, and perform surgical techniques to alter scar (such as Z-plasty, W-plasty) and recognize the various lines of the skin (such as Relaxed Skin Tension Lines) and their importance in placement of incisions for maximum aesthetic benefit.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Participate in the decision as to which technique of anesthesia should be used on his patients.	Clinical teaching/experience Lectures/seminars/conferences Preop conf	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	Utilize the techniques of local anesthesia and carry out emergency management of burn and trauma patients.	Workshops Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Manage all plastic surgical patients postoperatively.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Recognize the Rule of Nines, the use of more detailed body surface charts, and the difference in relative body surface area comparing children to adults.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of the parameters, which define major, moderate and minor burns.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the various factors, in addition to body surface area, which affect prognosis of a patient with a thermal injury.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	Demonstrate an understanding of the principles and techniques of fluid resuscitation.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Recognize injuries and sequelae associated with electrical injuries.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of principles pertinent to burn rehabilitation and reconstruction including aesthetic units of the face, tissue expansion, hair transplantation and hand splinting.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
Medical Knowledge	Develop a detailed knowledge of the anatomy of the muscles, tendons, and ligaments of the hand and upper extremity; and of the vascular tree and major nerves of the upper extremity including relationships to the surrounding structures.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the functional anatomy of the upper extremity including the cutaneous cover; the principles of diagnosis and treatment of upper extremity tumors.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	Demonstrate a familiarity with the spectrum of congenital abnormalities of the upper extremity.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate the knowledge of the clinical techniques for physical examination of the hand.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Develop the knowledge of the techniques for operative and nonoperative management of traumatic injuries of the upper extremity, their indications and contraindications, and their potential complications and treatment thereof.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of the nerve compression and entrapment syndromes of the upper extremity and understand the basic principles of their treatment.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate familiarity with the pathologic anatomy and physiology of upper extremity joint contractures and Dupuytren's disease.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the physiology	Clinical	OSCE	Daily

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	of flaps and grafts, is thoroughly familiar with surgery in all types of flaps and grafts, and can design and utilizes flaps effectively for reconstruction in the full spectrum of plastic surgical practice.	teaching/experience Lectures/seminars/conferences Preop conf Workshops	Case logs Record review CSR Skills evaluation Written evaluation	Weekly Biannually
	Demonstrate an understanding of the terminology of flap movement, composition and vascular supply.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Recognize the physiology of normal flaps, ischemic flaps, and the "delay" phenomenon.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the specific physiology of split and full thickness skin grafts, dermal grafts, cartilage grafts, bone grafts, tendon grafts, nerve grafts, fascial grafts, and composite grafts.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of the anatomy of the skull including suture lines, foramina, and structures exiting foramina; of the cranial nerves; of the facial bones, their ostia and bony relationships, and embryology; of the eye including normal dimensions, bony structures, the eyelids, the extraocular muscles, the innervation of the eye and adnexal structures, the vascular supply, and the lacrimal apparatus; of the ear	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	<p>including common measurements of the ear, relationships of the ear to other structures, and the vascular and sensory supply; of the nose and septum including bones and cartilages, nerve and vascular supply and he will be familiar with the physiology of the nose with particular reference to air flow and airway obstruction; of the oropharynx including muscular structures, lymphatic drainage, and contiguous neurovascular structures and he will be familiar with the physiology of the oropharynx including palatal function, speech, and swallowing; of facial structures including facial muscles, facial layers and salivary glands.</p>			
	<p>Develop a detailed knowledge of the vascular structures of the skull, head and neck.</p>	<p>Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops</p>	<p>OSCE Case logs Record review CSR Skills evaluation Written evaluation</p>	<p>Daily Weekly Biannually</p>
	<p>Demonstrate knowledge of the lymphatic drainage pattern of the head and neck structures and its relationship to the management of malignant tumors.</p>	<p>Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops</p>	<p>OSCE Case logs Record review CSR Skills evaluation Written evaluation</p>	<p>Daily Weekly Biannually</p>
	<p>Demonstrate an understanding of the methods for diagnosis and the options for treatment of squamous cell carcinoma of the head and neck (particularly the oropharynx), basal cell carcinoma and malignant melanoma and of benign and malignant processes of the salivary glands.</p>	<p>Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops</p>	<p>OSCE Case logs Record review CSR Skills evaluation Written evaluation</p>	<p>Daily Weekly Biannually</p>

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	Develop a familiarity with the biology of the various implant materials including bone, cartilage, and alloplasts.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of the local wound factors which influence bone graft survival and recognizes the biologic differences between vascularized and non-vascularized bone grafts.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the influence of perichondrium and on the warping of cartilage grafts.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Recognize the various types of breast implants and the factors involved in implant choice including surfaced content characteristics and is aware of the issues regarding silicone and is able to discuss these with a patient.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the effects of breast implant surface characteristics on formation of capsular contracture and recognizes the various injectable materials for subcutaneous filling and the principles of their use.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	Demonstrate knowledge of the vascular, muscular, neural, and osseous anatomy of the lower extremity.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the various muscular and vascular anatomies of specific flaps including tensor fascia lata, vastus lateralis, rectus femoris, sartorius, gastrocnemius, gracilis, and biceps femoris flaps.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the concept of fasciocutaneous flaps and can design them on the distal lower extremity.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Develop knowledge of the cutaneous margins and vascular anatomy of foot flaps including medical plantar, lateral plantar, V-Y plantar, and dorsalis pedis-based flaps.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the physiology of arterial insufficiency, venous hypertension, and diabetes as they pertain to the lower extremity.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the indications	Clinical	OSCE	Daily

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	for and timing of closure of soft tissue traumatic defects of the lower extremity.	teaching/experience Lectures/seminars/conferences Preop conf Workshops	Case logs Record review CSR Skills evaluation Written evaluation	Weekly Biannually
	Develop a thorough knowledge of coverage techniques (including skin grafts, local skin flaps, distant flaps, musculocutaneous flaps, and free flaps) for soft tissue and bony closure of the lower extremity.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the management of infectious processes (including osteomyelitis) related to traumatic injuries of the lower extremity.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of the etiology and treatment of lymphedema (including nonoperative and operative measures).	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate a familiarity with the principles of microsurgery and recognizes the mechanisms and consequences of the no-reflow phenomenon; knows how to treat a failing flap.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the technologic, pharmacologic and physiologic principles of	Clinical teaching/experi	OSCE Case logs	Daily Weekly

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	postoperative monitoring of free flaps.	ence Lectures/seminars/conferences Preop conf Workshops	Record review CSR Skills evaluation Written evaluation	Biannually
	Demonstrate knowledge of the basic physiology of nerve injury (axonotmesis, neurotmesis, neuropraxia, Wallerian degeneration) and of nerve healing.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of the musculature; blood supply, lymphatic drainage and innervation of the trunk, abdominal wall and breast.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the glandular structure and function of the breasts and appreciate the hormonal influence on breast development and function.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Recognize differences in breast structure and function in adolescence, the reproductive years, pregnancy, lactation and menopause.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the basic principles and techniques of the surgical treatment of common developmental breast	Clinical teaching/experience	OSCE Case logs Record review	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	anomalies including amastia, Poland's syndrome, asymmetry, ectopic mammary tissue, virginal hypertrophy, gynecomastia, etc.	Lectures/seminars/conferences Preop conf Workshops	CSR Skills evaluation Written evaluation	
	Develop a familiarity with chest wall embryology and anatomy as applied to developmental chest wall deformities.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Recognize the physiologic consequences of developmental chest wall defects and understand the biologic behavior, histologic characteristics and clinical manifestations of malignancies of the breast.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate a familiarity with plastic surgical options for management of the opposite breast after mastectomy for carcinoma and the principles of long-term management of patients with breast carcinoma.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Develop a thorough knowledge of breast reconstruction including autologous tissue and the use of prosthetic devices.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the etiology of gynecomastia and is familiar with the various surgical options for treatment.	Clinical teaching/experience Lectures/seminars/conferences	OSCE Case logs Record review CSR	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
		rs/conferences Preop conf Workshops	Skills evaluation Written evaluation	
	Demonstrate an understanding of the basic principles of medical and surgical management of common acute traumatic trunk and breast injuries including sternal wounds.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the etiology and nonsurgical management of pressure sores (including preventive measures).	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Develop a detailed knowledge of surgical aspects of pressure sore reconstruction.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the physiology and biochemistry of normal and abnormal wound healing.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Develop familiarity with the pharmacologic agents and other non-surgical methods for treatment of abnormal healing of skin and subcutaneous tissue; and with the role of nutrition has in the wound healing process and understands	Clinical teaching/experience Lectures/seminars/conferences	OSCE Case logs Record review CSR Skills evaluation	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	the pathologic processes involved in keloid formation and the methods available to treat keloids.	Preop conf Workshops	Written evaluation	
	Demonstrate knowledge of common agents for local anesthesia (esters and amides), regional anesthesia and general anesthesia (intravenous agents, inhalation agents, muscle relaxants, antiemetics, etc).	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of the principles and the techniques for administration of local anesthesia and understand the pharmacology and safe utilization of agents in "conscious sedation."	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of normal skin anatomy, circulation and how it is impacted by injury.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the physiologic changes, which occur with thermal or traumatic injury.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the relationship between duration of exposure and temperature and the specific changes which occur in the zone of coagulation, stasis, and hyperemia.	Clinical teaching/experience Lectures/seminars/conferences	OSCE Case logs Record review CSR Skills evaluation	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
		Preop conf Workshops	Written evaluation	
	Demonstrate an understanding of the pathophysiology and treatment of inhalation injuries and carbon monoxide poisoning.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the pathophysiologic changes unique to chemical burns.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the pharmacology and utilization of topical antibacterial agents, analgesics and antibiotics in the treatment of burns.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
Practice Based Learning and Improvement	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	See General Plastic Surgery Goals and Objectives			
Interpersonal and Communication Skills	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	See General Plastic Surgery Goals and Objectives			
Professionalism	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	See General Plastic Surgery Goals and Objectives			
Systems-Based Practice	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	See General Plastic Surgery Goals and Objectives			

**Methodist University Hospital**  
**Plastic Surgery Rotation**  
**PGY-6 (1<sup>st</sup> year Resident)**

By the end of the Plastic Surgery Rotation at Methodist, the PGY-6 residents are expected to expand and cultivate knowledge and skills developed during previous training and to achieve the following goals and objectives based on the six general competencies.

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
Patient Care	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	<p>Demonstrate a familiarity with the clinical presentation of benign and malignant cutaneous lesions and generalized skin disorders.</p> <p>Formulate a definitive treatment plan for the particular lesion in question choosing a surgical or nonsurgical treatment modality, which best suits the lesion (based on size, anatomical location and physical condition of the patient).</p> <p>Demonstrate a familiarity with other treatment modalities including (but not limited to) x-ray therapy, Mohs micrographic surgery, cryotherapy, laser therapy and topical chemotherapy.</p> <p>Educate and discuss the nature of the lesion, its extent, treatment options and long-term results to patients and their families.</p> <p>Formulate a definitive treatment plan for regional or distant spread of malignant cutaneous tumors.</p>	<p>Clinical teaching/experience</p> <p>Lectures/seminars/conferences</p> <p>Preop conf</p> <p>Workshops</p>	<p>OSCE</p> <p>Case logs</p> <p>Record review</p> <p>CSR</p> <p>Skills evaluation</p> <p>Written evaluation</p>	<p>Daily</p> <p>Weekly</p> <p>Biannually</p>
	<p>Under guidance and supervision of faculty, perform the following plastic surgery procedures including but not limited to:</p> <ul style="list-style-type: none"> <li>• All invasive diagnostic studies including (but not limited to): direct incisional and excisional biopsy, needle biopsy, punch biopsy; recognizes under which circumstances each should be used</li> <li>• Extirpative surgery of a variety of benign and malignant cutaneous lesions and associated</li> </ul>	<p>Clinical teaching/experience</p> <p>Lectures/seminars/conferences</p> <p>Preop conf</p> <p>Workshops</p>	<p>OSCE</p> <p>Case logs</p> <p>Record review</p> <p>CSR</p> <p>Skills evaluation</p> <p>Written evaluation</p>	<p>Daily</p> <p>Weekly</p> <p>Biannually</p>

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	<p>locoregional disease, choosing the optimal surgical incision or excision for the particular region to be treated</p> <ul style="list-style-type: none"> <li>• Complex procedures for the reconstruction of surgically created wounds (including skin grafts, local or distant flaps, or free tissue transfer) resulting from skin tumor extirpation</li> <li>• Debride and close wounds acute and chronic of the upper extremity</li> <li>• Skin grafting and flap closure of soft tissue defects of the upper extremity</li> <li>• Immobilization and splinting</li> <li>• Surgical and nonsurgical procedures of common congenital disorders of the head and neck</li> <li>• Primary and secondary surgery on patients with common congenital disorders of the head and neck, chest, trunk and extremities</li> <li>• Closed reductions, open reductions, internal fixations, and bone grafting</li> <li>• Special grafting techniques including dermabrasion, xenografts, cadaver grafts, skin matrix and synthetic or chemically manipulated materials</li> <li>• Operations incorporating the full spectrum of flaps and grafts including skin grafts, local flaps, fascial and musculocutaneous flaps, free tissue transfers, bone grafts, composite grafts</li> <li>• Specific grafting techniques including the operation of various types of dermatomes, management of graft donor sites, and care of graft recipient sites</li> <li>• Microsurgery techniques including micro-neural repair and microsurgical anastomosis</li> <li>• Surgical techniques to alter scar (such as Z-plasty, W-plasty) and recognize the various</li> </ul>			

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	<p>lines of the skin (such as Relaxed Skin Tension Lines) and their importance in placement of incisions for maximum aesthetic benefit.</p> <p>Diagnose, evaluate, and manage patients with the following conditions that require plastic surgery including but not limited to:</p> <ul style="list-style-type: none"> <li>• Simple and complex cutaneous lesions and proceed with diagnostic steps necessary to secure a definitive diagnosis</li> <li>• Nerve, tendon, fingertip and bony injuries</li> <li>• Upper extremity infections</li> <li>• Minor and major soft tissue injuries of the face including injuries to the facial nerve, lacrimal apparatus and parotid gland</li> <li>• Closed and open fractures of the facial skeleton</li> <li>• Fractures of the facial skeleton</li> <li>• Maxillary, mandibular, orbital, nasoethmoidal, frontal, zygoma and zygomatic arch fractures; the potential complications of such treatment (including malposition, deformity, malocclusion, etc); the management of these complications</li> <li>• Complications of flaps and grafts including skin graft loss, flap necrosis, wound dehiscence and wound infection.</li> <li>• Complex wound problems such as dehiscence, delayed healing, multiple traumatic wounds and evaluate patients with scar problems and revise scars to achieve maximum functional and aesthetic benefit.</li> </ul> <p>Perform physical examination of the hand and upper extremity in both normal and pathologic states.</p>	<p>Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops</p> <p>Clinical teaching/experience Lectures/seminars/conferences Preop conf</p>	<p>OSCE Case logs Record review CSR Skills evaluation Written evaluation</p> <p>OSCE Case logs Record review CSR Skills evaluation Written evaluation</p>	<p>Daily Weekly Biannually</p> <p>Daily Weekly Biannually</p>

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
		Workshops		
	Obtain and interpret radiographs and other diagnostic images for evaluation of traumatic, congenital and degenerative problems of the hand and upper extremity.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Direct rehabilitation of upper extremity trauma following surgical treatment.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Participate in the surgical planning for patients with common congenital disorders of the head and neck including cleft lip and palate and craniosynostosis.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Utilize of the operating microscope and understand the indications for, the contraindication to, and the techniques for accomplishing replantation of amputated parts.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate a familiarity with the tissue composition of free flaps and know the anatomy for harvesting the most common free flaps.	Clinical teaching/experience Lectures/seminars/conferences Preop conf	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
		Workshops		
	Recognize the indications for harvesting various flaps and matching specific donor sites to specific recipient site needs and manage the long-term aspects, including donor site problems, of patients who have undergone free tissue transfers.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Assess any wound and be able to formulate an optimal treatment plan.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Manage dressings, splints and other devices and techniques utilized in wound management.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding when surgical debridement is necessary and the correct use of pharmacologic wound manipulating agents.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Manage patients postoperatively after surgical treatment of facial fractures.	Clinical teaching/experience Lectures/seminars/conferences Preop conf	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	Participate in the decision as to which technique of anesthesia should be used on his patients.	Workshops Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Utilize the techniques of local anesthesia and carry out emergency management of burn and trauma patients.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Manage all plastic surgical patients postoperatively.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Recognize the Rule of Nines, the use of more detailed body surface charts, and the difference in relative body surface area comparing children to adults.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of the parameters, which define major, moderate and minor burns.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	Demonstrate an understanding of the various factors, in addition to body surface area, which affect prognosis of a patient with a thermal injury.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the principles and techniques of fluid resuscitation.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Recognize injuries and sequelae associated with electrical injuries.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of principles pertinent to burn rehabilitation and reconstruction including aesthetic units of the face, tissue expansion, hair transplantation and hand splinting.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
Medical Knowledge	Demonstrate an understanding of the natural history of benign lesions and the pathophysiology of malignant lesions.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	Demonstrate an understanding of the histologic grading and clinical staging systems currently in use for the malignant and premalignant skin tumors.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the lymphatic drainage pattern of the head and neck structures and its relationship to the management of malignant tumors.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of the methods for diagnosis and the options for treatment of squamous cell carcinoma of the head and neck, basal cell carcinoma and malignant melanoma.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Develop a detailed knowledge of the anatomy of the muscles, tendons, and ligaments of the hand and upper extremity and of the vascular tree and major nerves of the upper extremity including relationships to the surrounding structures.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the functional anatomy of the upper extremity including the cutaneous cover.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate familiarity with the spectrum of	Clinical	OSCE	Daily

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	congenital abnormalities of the upper extremity.	teaching/experience Lectures/seminars/conferences Preop conf Workshops	Case logs Record review CSR Skills evaluation Written evaluation	Weekly Biannually
	Demonstrate an understanding of the principles of diagnosis and treatment of upper extremity tumors.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of the clinical techniques for physical examination of the hand.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of the techniques for operative and nonoperative management of traumatic injuries of the upper extremity, their indications and contraindications, and their potential complications and treatment thereof.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrates knowledge of the nerve compression and entrapment syndromes of the upper extremity and understand the basic principles of their treatment.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate familiarity with the pathologic anatomy and physiology of upper extremity joint	Clinical teaching/experi	OSCE Case logs	Daily Weekly

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	contractures and Dupuytren's disease.	ence Lectures/seminars/conferences Preop conf Workshops	Record review CSR Skills evaluation Written evaluation	Biannually
	Demonstrate knowledge of the anatomy of the facial bones, their ostia and bony relationships, and embryology.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate a familiarity with the general principles of embryology of the head and neck, with special reference to the development of the facial structures including lip, palate and ear.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate intimate knowledge of the common congenital disorders of the head and neck including cleft lip and palate, craniofacial syndromes, vascular malformations, auricular abnormalities.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of the priorities involved in treating patients with multiple trauma, the timing of treatment of head and neck injuries, and the indications for endotracheal intubation and tracheostomy in such patients.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of an orderly, systematic approach to the physical examination of patients with facial trauma.	Clinical teaching/experience	OSCE Case logs Record review	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
		Lectures/seminars/conferences Preop conf Workshops	CSR Skills evaluation Written evaluation	
	Demonstrate an understanding of the indications for specific diagnostic studies including conventional radiography, Panorex films, computer-assisted tomography, three-dimensional CT scan imaging, and magnetic resonance imaging.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Appreciate the mechanical properties of the facial skeleton and patterns of injury associated with facial trauma including associated cervical and cranial trauma.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the management of open facial injuries including: anesthesia, local wound care, principles of debridement, and biologic features, which distinguish facial injuries from those in other locations.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the concepts of primary bone healing, malunion, nonunion and osteomyelitis.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Recognize the indications for operative treatment of facial fractures.	Clinical teaching/experience Lectures/seminars/conferences	OSCE Case logs Record review CSR	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
		rs/conferences Preop conf Workshops	Skills evaluation Written evaluation	
	Demonstrate knowledge of the advantages and disadvantages of various techniques for treatment of facial fractures including nonoperative treatment, closed reduction, mandibulomaxillary fixation, open reduction with and without fixation, wire fixation, compressive and non-compressive fixation, intraoral splints, external fixation (including halo and biphasic techniques) and bone grafting.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the physiology of flaps and grafts, is thoroughly familiar with surgery in all types of flaps and grafts, and can design and utilizes flaps effectively for reconstruction in the full spectrum of plastic surgical practice.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the terminology of flap movement, composition and vascular supply.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Recognize the physiology of normal flaps, ischemic flaps, and the "delay" phenomenon.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the specific physiology of split and full thickness skin grafts, dermal grafts, cartilage grafts, bone grafts, tendon	Clinical teaching/experience	OSCE Case logs Record review	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	grafts, nerve grafts, fascial grafts, and composite grafts.	Lectures/seminars/conferences Preop conf Workshops	CSR Skills evaluation Written evaluation	
	Demonstrate a familiarity with the principles of microsurgery and recognizes the mechanisms and consequences of the no-reflow phenomenon; knows how to treat a failing flap.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the technologic, pharmacologic and physiologic principles of postoperative monitoring of free flaps.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of the basic physiology of nerve injury (axonotmesis, neurotmesis, neuropraxia, Wallerian degeneration) and of nerve healing.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the physiology and biochemistry of normal and abnormal wound healing.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate a familiarity with the pharmacologic agents and other non-surgical methods for treatment of abnormal healing of skin and subcutaneous tissue.	Clinical teaching/experience Lectures/seminars/conferences	OSCE Case logs Record review CSR	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
		rs/conferences Preop conf Workshops	Skills evaluation Written evaluation	
	Demonstrate a familiar with the role of nutrition has in the wound healing process and understands the pathologic processes involved in keloid formation and the methods available to treat keloids.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of common agents for local anesthesia (esters and amides), regional anesthesia and general anesthesia (intravenous agents, inhalation agents, muscle relaxants, antiemetics, etc).	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate knowledge of the principles and the techniques for administration of local anesthesia and understand the pharmacology and safe utilization of agents in "conscious sedation."	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of normal skin anatomy, circulation and how it is impacted by injury.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the physiologic changes, which occur with thermal or traumatic injury.	Clinical teaching/experience Lectures/seminars/conferences	OSCE Case logs Record review CSR Skills evaluation	Daily Weekly Biannually

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
		Preop conf Workshops	Written evaluation	
	Demonstrate an understanding of the relationship between duration of exposure and temperature and the specific changes which occur in the zone of coagulation, stasis, and hyperemia.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the pathophysiology and treatment of inhalation injuries and carbon monoxide poisoning.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the pathophysiologic changes unique to chemical burns.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
	Demonstrate an understanding of the pharmacology and utilization of topical antibacterial agents, analgesics and antibiotics in the treatment of burns.	Clinical teaching/experience Lectures/seminars/conferences Preop conf Workshops	OSCE Case logs Record review CSR Skills evaluation Written evaluation	Daily Weekly Biannually
Practice Based Learning and Improvement	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	See General Plastic Surgery Goals and Objectives			
Interpersonal and Communication Skills	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	See General Plastic Surgery Goals and Objectives			

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
Professionalism	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	See General Plastic Surgery Goals and Objectives			
Systems-Based Practice	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	See General Plastic Surgery Goals and Objectives			