

**University of Utah Plastic Surgery Residency**  
**Goals & Objectives**  
**Hand Service**

The junior plastic surgery resident is trained in the evaluation and treatment of patients needing hand and extremity reconstruction. Further, this month will provide the junior plastic surgery residents the knowledge and tools required to evaluate and treat general plastic surgery problems including pressure sores, abdominal and chest wall reconstruction and wound care. This service will focus on working with the hand team including hand therapists, radiology, etc. Residents are required to attend hand conference. Graduated responsibility for the management and surgical care of these patients will be provided. This will include outpatient evaluation and follow-up care, participation in microsurgical reconstruction of the breast, head and neck, trunk and extremity.

The senior resident should have a working knowledge of the service and thus will be an integral member contributing to the diagnosis, assessment, surgical plan and care of the patient. Further a disposition for each patient will be formulated by the senior resident with faculty oversight. The senior resident should also gain the skills necessary to understand and perform the index operations that the hand faculty engages in. A thorough knowledge base of hand/extremity anatomy, should be developed by the senior resident and the assessment of that knowledge will be based on the six clinical competencies.

The chief resident should demonstrate competence in hand/extremity reconstruction. With supervision, the chief resident should be able to diagnose, plan, execute and care for all the patients on the hand service. Upon completion of the rotation, the chief resident should be able to demonstrate the skills and techniques required to practice safely and independently based upon the six clinical competencies.

GOALS & OBJECTIVES	COMPETENCY
Demonstrate knowledge of the anatomy, physiology, and embryology of the trunk and breast, and apply this knowledge to the comprehensive management of a variety of problems in these anatomic areas (10)	MK,PC
Demonstrate knowledge of the biologic behavior, histology, physiology and management principles of benign and malignant processes of the breast, and carry out comprehensive medical and surgical management of such problems (11)	MK,PC
Demonstrate knowledge of management of problems of the breast and trunk, and carry out surgical management including reconstruction for such disorders (12)	MK,PC
Perform reconstructive surgery on the trunk, breast, and abdomen with increasing independence and surgical responsibility	MK,PC
Participate in treatment of patients with malignancy of the trunk, thorax and abdominal wall	MK,PC
Participate in the surgical management of thoracic and abdominal wall reconstruction with graduated independence (13)	MK,PC
Participate in surgical and nonsurgical management of pressure sores including (14)	MK,PC
Participate in the full spectrum of reconstructive surgery after breast carcinoma, including procedures on the opposite breast; participate in long-term treatment and follow-up of these patients (15)	MK,PC
Participate in the surgical care of common developmental breast anomalies, with graduated surgical independence, including amastia, Poland's syndrome, asymmetry, ectopic mammary tissue, virginal hypertrophy, and gynecomastia	MK,PC
Participate in the evaluation and treatment of patients with post surgical breast deformities	MK,PC
The resident will achieve a detailed knowledge of the anatomy, physiology, and embryology of the upper and lower extremity and will utilize this knowledge in the complete management of the hand, arm, and brachial plexus as well as complex lower extremity	MK,PC

reconstruction after tumor extirpation (16)	
Be familiar with the spectrum of congenital anomalies of the upper and lower extremity, able to diagnose and manage these cases.	MK,PC
Know the classification system for congenital hand anomalies (17)	MK,PC
Know the operations including timing and techniques used in the surgical management of hand anomalies.	MK,PC
Understand the principles of diagnosis and treatment of extremity trauma, and perform comprehensive management of acute injuries and other trauma-related problems of the hand (18)	MK,PC
Understand the functional problems of the hand, understand the principles of rehabilitation of the hand and the management including comprehensive rehabilitation (19)	MK,PC
The resident apply these to a variety of developmental, traumatic and acquired problems (20,21)	MK,PC
The resident will investigate and evaluate his or her own patient care practices, appraise and assimilate scientific evidence, and improve patient care practices	PBLI
Use information technology to prepare for cases, bringing to the OR the knowledge of current modalities of care and the scientific evidence for that care	PBLI
Routinely analyze the effectiveness of own practices in caring for surgery patients	PBLI
Improve own practices in the care of patients by integrating appropriately gathered data and feedback	PBLI
Function independently with graduated advancement and appropriate faculty supervision	PBLI
Educate medical students and other healthcare professionals	PBLI
Use library sources to perform research and perform literature searches	PBLI
Understand the principles of clinical research and the application of biostatistics	PBLI
The resident will demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their families, and professional associates	ICS
Demonstrate compassion for patients and families	ICS
Provide adequate counseling and informed consent to patients	ICS

Listen to patients and their families	ICS
Assimilate data and information provided by other members of the health care team	ICS
Chart and record accurate information	ICS
Educate patients and families in post operative and rehabilitative strategies for patients	ICS
The resident will demonstrate an awareness of and responsiveness to the larger context and system of health care and the ability to effectively call on system resources to provide care that is of optimal value	SBP
Advocate for patients within the health care system	SBP
Refer patients to the appropriate practitioners and agencies	SBP
Facilitate the timely discharge of same day surgery patients	SBP
Work with primary care physicians, and other consultants, toward the safe administration of anesthesia	SBP
Demonstrate knowledge of cost-effective surgery	SBP
Facilitate the timely discharge of patients undergoing reconstructive plastic surgery	SBP
The resident will demonstrate a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population	P
Develop a sensitivity of the unique stresses placed on families under care for surgical diagnoses	P
Exhibit an unselfish regard for the welfare of surgical patients	P
Demonstrate firm adherence to a code of moral and ethical values	P
Be respectful to patients and their families especially in times of stress to the family unit.	P
Respect and appropriately integrates other members of the health care team	P
Provide appropriately prompt consultations when requested	P
Demonstrate sensitivity to individual patient's profession, life goals, and cultural background as they apply to health care	P
Understand the concepts of autonomy, beneficence, nonmaleficence, justice, and respect for life	P
Maintain patient confidentiality	P
Be reliable, punctual and accountable for own actions in the OR and outpatient clinic	P

