

## **Hand Surgery (TGH – 4 months)**

### PGY-3

Goal: The resident will gain experience and knowledge of surgery of the hand. The resident will demonstrate operative competence in performing microsurgical reconstructive techniques. The resident will demonstrate an understanding of the pre-operative evaluation, surgical planning and post-operative care as it relates to hand surgery.

#### **PATIENT CARE**

- a. Demonstrate understanding and ability to perform a focused based upper extremity exam.
- b. Demonstrate an understanding of the management of hand surgery including pre-operative workup, operative plan and technique, post-operative care, and non-operative care in the treatment of trauma, acquired conditions and nerve pathology, and to develop and carry out patient management plans.
- c. Demonstrate knowledge of diagnosis and operative planning including radiographic evaluation.
- d. Demonstrate an appreciation for the psychosocial concerns of the patient.
- e. Able to prescribe medication for post-operative pain after surgery.
- f. Able to provide post-operative instructions and provide a mechanism for patients to address post-operative problems.
- g. Demonstrate proficiency in performing and assisting in procedures pertinent to hand/upper extremity surgery.
- h. Demonstrate ability to provide detailed and complete patient informed consent.

#### **MEDICAL KNOWLEDGE**

- a. Demonstrate an understanding of the diagnosis, pre-operative evaluation, pre-operative planning and surgical options necessary for management of acquired diseases and defects of the hand and upper extremity to include burns, trauma, infection, arthritic conditions, vascular conditions, etc.
- b. Demonstrate knowledge in understanding of radiologic exams of the hand/upper extremity – normal and pathologic.

#### **PRACTICE BASED LEARNING/IMPROVEMENT**

- a. Demonstrate operative competence in performing microsurgical reconstructive techniques in plastic surgery.
- b. Demonstrate operative competence in performing free tissue transfer to the upper extremity.
- c. Demonstrate appropriate microsurgical techniques for various nerve injuries requiring repair.
- d. Demonstrate progression in obtaining knowledge in the work-up, treatment, and post-operative care in a variety of hand conditions including acquired conditions.
- e. Participate in performance improvement process including assessment of his/her outcomes.
- f. Able to critically review medical literature and participate in evidence-based discussions that may lead to improvements in the practice of surgery.
- g. Demonstrate ability, willingness, and proficiency at teaching skills/knowledge to others.

## INTERPERSONAL AND COMMUNICATION SKILLS

- a. Demonstrate effective communication with all members of the operating room team.
- b. Communicate effectively with patients and their families and be able to discuss risks, benefits, and alternatives.
- c. Demonstrate knowledge and skills to communicate and coordinate care with the multi-disciplinary hand care team.
- d. Demonstrate listening skills.

## PROFESSIONALISM

- a. Demonstrate an appreciation for the psychosocial concerns of the patient.
- b. Aware of emotional issues associated with various surgical procedures.
- c. Ensure involvement in the post-operative care of patients and create a positive public image.
- d. Demonstrate the ability to maintain his or her composure during stressful clinical situations.
- e. The resident must acknowledge the anxieties of patients and their families and answer questions and allay anxiety.
- f. Be aware of and sensitive to a variety of cultures, ages and religious beliefs.
- g. Expected to adhere to the highest ethical standards and the principle "the needs of the patient come first".
- h. Gain and utilize skills for discussing critical issues/problems.
- i. Demonstrate integrity and the ethical practice of medicine.

## SYSTEMS BASED PRACTICE

- a. Be aware of peri-operative costs of surgery in a comprehensive manner.
- b. Understand when it is appropriate to seek help through appropriate consultation with colleagues.
- c. Demonstrate an understanding and appropriate utilization of the electronic patient information system.
- d. Understand methods to practice cost-effective health care while providing the highest quality of care for their patients.
- e. Understand and participate within the structure and function of the multi-disciplinary hand care team and utilize all members to deliver and improve care/outcomes in an effective and efficient manner.