

Graduate Medical Education Program Information

Specialty: General Surgery

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GME: General Surgery

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Mission

The mission of our residency program is “To develop outstanding surgeon leaders who will thrive in the operational military and civilian work environment by providing first rate surgical education, challenging clinical rotations, diverse surgical experiences, professional mentorships, high-quality simulation, and top-notch research opportunities.

Aims

- Aim 1 – To develop physicians with the requisite surgical medical knowledge and operative skills necessary to provide safe, effective, quality patient care. [Metrics: board certification rate, PC/SS and MK milestones, case logs, in-service exam scores, mock oral/simulation exams, graduate surveys]
- Aim 2 – To build a program that emphasizes the residents’ personal and professional needs that includes an environment of optimal well-being and selflessness towards their patients and others. [Metric: SBP, PROF, ICS milestones, 360 evaluations, well-being surveys]
- Aim 3 – To promote and inspire future leaders and educators within military medicine. [Metrics: # of leadership positions, awards, promotion rates]
- Aim 4 – To develop physicians who are competent in providing quality health care and leading continuous process improvement. [Metrics: involvement of QI projects, M&M presentations and evaluations, PBLI]

- Aim 5 – To stimulate scientific research and life-long learning. [Metric: publications, # presentations provided]

Program Description

- Accreditation Status – ACGME Fully Accredited
- Length of Training – 5-6 years
- Training Complement – 32 (11-5-5-5-5)
- About the Program

The General Surgery Residency at Naval Medical Center San Diego (NMCSO) is one of the premier residency programs in the nation. We are dedicated to producing not only well trained-surgeons, but officers and future leaders in the US Navy. We are a clinical five year, fully ACGME accredited General Surgery Residency Training Program. We graduate up to five chief residents per year. Our board passing rate on both the qualifying and certifying exams ranks in the top 10% of the country with 100% pass rate on the Qualifying Exam and 95% pass rate on the Certifying Exam over the last 5 years.

PGY 1-3 year focuses on surgical technique and management. By the end of PGY 4 year, our residents have developed the skills and experience necessary to manage a wide variety of surgical pathologies. The chief resident (PGY 5) year is dedicated to refining techniques and developing the skills necessary to be a team leader. This is especially important in the military healthcare system given that our residents will be expected to function at a high level within the dynamic US Navy and Marine Corps environment immediately after graduating. Our residents have also gone on to fellowships in Trauma/Critical Care, Surgical Oncology, Minimally Invasive, Pediatric, Cardiothoracic, Vascular, and Plastic Surgery.

- Clinical Training
Our primary training location is Naval Medical Center San Diego where our residents complete approximately 50% of their operative cases. In order to provide a wide variety of clinical experiences, the remainder of cases are completed at hospitals located throughout the greater San Diego area. These experiences include: General Surgery (Scripps Green, Kaiser Permanente, Naval Hospital Camp Pendleton), Trauma Surgery (Scripps Mercy, Scripps Memorial, Arrowhead Regional Medical Center), Burn

Surgery (University of California San Diego), Pediatric Surgery (Rady Children's Hospital), Transplant Surgery (Scripps Green), Head and Neck Surgery (Scripps Green), and Cardiothoracic Surgery (Tri-City Medical Center). The majority of the PGY 3 and 4 years are spent at these locations learning from experts in their respective fields. Our chief residents graduate above the 70th percentile for total cases and chief year cases. We are above the national average in every major surgical category.

- **Research**

Research is a core tenet of our training program. There is a dedicated one year research requirement between the PGY 3 and 4 years. Opportunities exist for both basic science and clinical research in a wide variety of fields. These include Trauma (Scripps Mercy), Surgical Oncology (Moore Cancer Center), Pediatric Surgery (Rady Children's Hospital), Plastic Surgery (University of California San Diego), and Transplant Surgery (Scripps Green). Our program is always willing to work to find new research opportunities for those with specific interests as well.

- **Unique Opportunities**

Our residency program offers a number of opportunities that are unique to the military training environment. Several residents each year may have the opportunity to participate in surgical missions on board the USNS MERCY, one of the navy's hospital ships. These large scale humanitarian missions offer the chance to gain valuable experience in global health from a surgical perspective.

- **New Training Opportunities**

Our program has a new surgical simulation center where trainees can practice anything from basic suturing to complex laparoscopic skills. Additionally we offer a cadaver lab with fully functioning surgical suites as well as perfused cadavers where residents can practice high-level operative cases. We have also instituted a robotic surgery curriculum designed to produce chief residents who are certified to use robotic platforms in their practice. This allows residents to be better prepared for the future, as surgical technology continues to rapidly evolve.

Rotations

PGY1 Rotations	Sites	PGY2 Rotations	Sites
General Surgery	NMCS D	General Surgery	NMCS D
Vascular Surgery	NMCS D	Thoracic	NMCS D
Pediatric Surgery	NMCS D	Plastic Surgery	NMCS D
Night Float	NMCS D	SICU	Scripps Mercy
Ortho (2wks) / Gyn (2wks)	NMCS D	SICU	Scripps Memorial La Jolla
Emergency Medicine	NMCS D	Burns	UCSD
Elective (i.e. Urology, NS, Anes, Plastics, etc.)	NMCS D		
Trauma	Scripps Mercy		
SICU	Scripps Memorial La Jolla		

PGY3 Rotations	Sites	PGY4 Rotations	Sites
Night Float	NMCS D	General Surgery	Kaiser
Endoscopy	NMCS D	General Surgery	Scripps Green
Vascular Surgery/ Pediatric Surgery	NMCS D	Vascular Surgery	Scripps Memorial La Jolla
Trauma	Scripps Memorial La Jolla	Pediatric Surgery	Rady Children's Hospital
Cardiothoracic Surgery	VA Hospital		
Transplant	Scripps Green		
Head & Neck	Scripps Green		

PGY5 Rotations	Sites
General Surgery	NMCS D
General Surgery	Camp Pendleton
General Surgery	Scripps Memorial Encinitas
Trauma	Scripps Mercy

Academic Curriculum

The residency has an established academic training program which is integrated into the clinical experience. There is protected time each for a dedicated resident didactic program using interactive questions based on the Surgical Core (SCORE) curriculum. This has allowed the majority of our residents to score consistently above the national average on the yearly American Board of Surgery In-Training Exam (ABSITE). Our academic schedule is structured around the weekly a Morbidity and Mortality conference, which is integral to the education of any General Surgeon. In addition, this time includes weekly grand rounds featuring speakers who are leaders in the surgical fields on both local and national levels. Outside of the protected academic training time, there are also dedicated pre-operative conferences, journal clubs, and problem-based learning curricula. The staff surgeons at NMCS D are dedicated to teaching which fosters a constant learning environment for our residents.

For information pertaining to compensation and benefits please visit the NMRTC GME Resources website at <https://sandiego.tricare.mil/Graduate-Medical-Education/GME-Programs/Resources-FAQs>

