



# MA★ST

MILITARY ADVANCED SURGICAL TRAINING:  
A PROGRAM PERSPECTIVE

IN PARTNERSHIP WITH



# MAST PROGRAM

The Military Advanced Surgical Training (MAST) program represents several years of work to fund and establish the ideal arthroscopic curriculum for military Orthopaedic Surgeons. The MAST program is made possible by tremendous efforts from the Arthroscopy Association of North America (AANA) and the Society of Military Orthopaedic Surgeons (SOMOS).



## THE MAST PROGRAM WILL BE SUPPORTED THROUGH THE FOLLOWING AREAS OF INTEREST:



### EDUCATION & TRAINING IMMERSION

The MAST program represents several years of work to fund and establish the ideal arthroscopic curriculum for military surgeons. AANA and SOMOS are committed to advancing military surgical training through the rollout of training programs and educational opportunities. Through mini-fellowships, scholarships, online education and hands-on lab training, AANA will continue the advancement of military surgeons in minimally-invasive surgery.



### EPIDEMIOLOGY & SURVEILLANCE



### SURGICAL EDUCATION & LABORATORY-BASED TRAINING



### CUTTING-EDGE RESEARCH



*The military does about 21,000 shoulder and knee arthroscopy procedures each year on just active duty service members. Therefore, the intent of the course is to give all Orthopaedic Surgeons in the military, whether they are sports fellowship trained or not, the best educational and technical exposure to take care of the injuries they see the most of."*

— Lt. Col. Jonathan F. Dickens, M.D., M.C.

## MAST INITIATIVES

### AANA/SOMOS ARTHROSCOPY LAB COURSE:

Complete funding will be provided for the AANA/SOMOS Arthroscopy Lab Course. Over 20 AANA and SOMOS master instructors and 48 active duty military surgeons attend a two-day hands-on cadaver training course.

### AANA ANNUAL MEETING SCHOLARSHIPS:

Each year, four military trainees will receive scholarships to attend the three-day AANA Annual Meeting.

### AANA VISITING PROFESSOR:

Two AANA master instructors will be hosted by different military institutions for one week per year.

### MINI FELLOWSHIP:

Two military surgeons will attend a two-week fellowship hosted by a senior AANA master instructor at their institution.

### RESEARCH INITIATIVE TO VALIDATE OUTCOMES:

Aimed to evaluate a proficiency-based training program on the surgical performance of Orthopaedic Residents.

### EPIDEMIOLOGY & SURVEILLANCE CORE:

Through the MAST program, AANA will support efforts associated with providing epidemiology and surveillance-specific training activities within the domain of nonbattle musculoskeletal injuries.

### AANA MILITARY ONLINE COMMUNITY:

This online community is a platform designed to provide online, real-time access to experts in arthroscopy and minimally invasive surgery. Military personnel will have the ability to collaborate with experts on a variety of medical topics, obtain input on difficult cases and leverage the collective expertise of over 5,000 AANA members.

### EDUCATION OUTREACH RESOURCES:

The Surgical Education Resource Pack will provide members of the military with a plethora of educational resources online, on demand. Resources will include self-assessment exams, surgical technique videos, webinars, instructional courses and podcasts.

### ADVANCED SKILLS TRAINING:

Funding for two trainees will be provided to attend any AANA arthroscopic lab course of their choice.

# AANA MILITARY EDUCATION BY THE NUMBERS

The annual AANA/SOMOS Arthroscopy Lab Course is an important opportunity for advanced skills training in a hands-on cadaveric lab setting, held at the Orthopaedic Learning Center.



**11 YRS**

of running the course

**420+**

attendees were trained

**18%**

were members of the U.S. Air Force

**30%**

were members of the U.S. Navy

**52%**

were members of the U.S. Army

**24%**

were female

**36%**

attendees were underrepresented minorities in medicine



**98%**

say the course helped them to be a better surgeon

**100%**

say the course helped them improve patient outcomes

**100%**

agree that their patients will receive better knee or shoulder care thanks to their attendance at the course

**100%**

agree the cadaver labs during the course are a unique training exercise superior to other methods of teaching surgical procedures

## AS A RESULT OF THE COURSE, ATTENDEES NOTED THAT THEY WILL...

- Be able to attempt surgical cases they could not have done prior to the course.
- Will modify surgical techniques to reflect what they have learned.
- Modify treatment plans.
- Incorporate different diagnostic strategies into patient evaluation.



*It's imperative that we have the necessary skills to perform both basic and advanced arthroscopic procedures due to the unique patient population we serve, as well as the remote locations in which we serve them. This course gives excellent training to many military Orthopaedic Surgeons that do not complete a sports medicine/arthroscopy fellowship but are nonetheless called upon to treat active duty members and get them back to full duty."*

— Lance E. LeClere, M.D., CDR MC USN

**//** *AANA members are teachers. When we were asked by leaders within SOMOS to begin a teaching effort focused on improving the surgical skills of active-duty orthopaedic surgeons, we embraced the challenge as a small way to contribute to a military at war. Since the initiative's inception in 2010 we have trained more than 480 surgeons at the Orthopedic Learning Center through both didactic material and hands on surgical skills. Over the 12 years of this program, our collaboration has become one of AANA's most cherished teaching efforts."*

— Robert E. Hunter, M.D.



**//** *We thought the collaboration between AANA and SOMOS would be perfect for the needs of the military as they do not always have exposure to the hands-on surgical skills training that AANA can provide due to their service commitments, including deployment and other essential duties. We consider our service men and women as warriors and athletes, and by providing additional training to our military colleagues who can then share their acquired skills and knowledge in the performance of their orthopaedic duties ensures that those who serve and protect us have the best care available."*

— Richard K.N. Ryu, M.D.

**//** *There is no other course that truly has military Orthopaedic Surgeons in mind. It combines access to the latest arthroscopic training, connections with surgical thought leaders and ample exposure to cadavers and lectures all into one experience. It's truly unique."*

— John M. Tokish, M.D., FAANA, Col. USAF





FOR MORE INFORMATION VISIT US

[aana.org](http://aana.org) | [somos.org](http://somos.org)