





Naval Special Warfare Special Operations Tactical Medic (SOTM) Program



6th Annual McSwain EMS Trauma Conference

16 NOV 2018





Special Operations Tactical Medic (SOTM) Program



A Naval Special Warfare program designed to train SEALs and Special Boat Operators (SWCCs) in a secondary job set as medics for SEAL and Boat Teams engaged in Special Operations missions globally



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Special Operations Tactical Medic (SOTM) Program Overview



Total of 28 weeks of training:

- ❖ Four weeks of EMT – Basic
 - IV Therapy
 - Dive Medicine
 - PHTLS
- ❖ Three weeks of Advanced Emergency Interventions
 - Trauma, Airway & Patient Assessment
 - *First UMC clinicals with Instructor Preceptors*
 - Minimalist approach (Aid Bag & Battle Belt)
- ❖ 16 weeks of Paramedic
 - *Six weeks of clinicals with UMC/NOLA EMS/Etc.*
- ❖ Five weeks of Advanced Tactical Medicine¹
 - Tactical Combat Casualty Care (TCCC)²
 - Trauma Patient Assessment/Management (Trauma lanes)
 - Advanced Tactical Battlefield Scenarios
 - Prolonged Field Care Considerations (“*Austere Critical Care*”)³
 - Final Field Training Exercise

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Special Operations Tactical Medic (SOTM) Program Goals



- ❖ Produce medics ready to provide lifesaving capabilities on the battlefield or in other austere environments.
- ❖ Train certified Paramedics and TCCC trained medical providers to operate seamlessly within Special Operations as Combatants first and then as medics if the need arises.



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Special Operations Tactical Medic (SOTM) & TCCC



Phases of Tactical Combat Casualty Care (TCCC):

- ❖ Care Under Fire (Care Under Cover)
 - 1) Fight your way out / establish “fire superiority” (the best medicine!)
 - 2) Casualty must tourniquet themselves if able!!!
 - 3) Medic fights & also directs the casualty to remain engaged as a combatant and only places tourniquets if the casualty cannot and if tactically feasible

- ❖ Tactical Field Care (Care on the Move)
 - 1) A lull in the fight or the fight is over
 - 2) Primary Assessment utilizing the MARCH algorithm treating life threats
 - 3) Secondary Assessment utilizing MARCH PAWS aiming to treat all wounds

- ❖ Tactical Evacuation Care
 - 1) Transition of care between units/mobility platforms
 - 2) Reassesses everything using MARCH PAWS





Special Operations Tactical Medic (SOTM) & TCCC



MARCH PAWS: (the ABCDEs of battlefield medicine)

Massive Hemorrhage

Airway

Respirations

Circulation

Head & **H**ypothermia

Pain

Antibiotics

Wounds

Splinting



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Special Operations Tactical Medic (SOTM) Clinical Goals



Be a part of the “medical team,” observe, assist, and ultimately do all of the following psychomotor skill sets or procedures:

- ❖ All EMT-Basic & Paramedic skills
- ❖ Nursing skills (ED/OR/TICU/Burn center)
- ❖ Flight Paramedic/Nurse skills
- ❖ Critical Care Paramedic



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Special Operations Tactical Medic (SOTM) Skills & Protocols



EMT: ⁴

Patient Assessment / Management - Trauma
Patient Assessment / Management - Medical
BVM Ventilation of an Apneic Adult Patient
Oxygen Administration by Non-Rebreather Mask
Cardiac Arrest Management / AED

Paramedic: ⁵

Patient History
Comprehensive Normal Adult Physical Assessment Techniques
Comprehensive Normal Pediatric Physical Assessment Techniques
Direct Orotracheal Intubation Adult
Direct Orotracheal Intubation Pediatric
Nasotracheal Intubation Adult
Supraglottic Airway Device Adult
Needle Cricothyrotomy (Percutaneous Translaryngeal Ventilation)
CPAP and PEEP
Trauma Adult Physical Assessment
Spinal Immobilization Adult (Supine Patient)
Spinal Immobilization Adult (Seated Patient)
Joint Splinting

Long Bone Splinting
Traction Splinting
Hemorrhage Control
Medical and Cardiac Physical Assessment
Intravenous Therapy
Intravenous Bolus Medication Administration
Intravenous Piggyback Infusion
Intraosseous Infusion (EZ IO)
Intramuscular and Subcutaneous Medication Administration
Intranasal Medication Administration
Inhaled Medication Administration
Glucometer
12-lead ECG
Synchronized Cardioversion
Defibrillation (Unwitnessed Arrest)
Transcutaneous Pacing
Normal Delivery with Newborn Care
Abnormal Delivery with Newborn Care

Special Operations Tactical: ^{1,2,3}

Military Litters & Carries
Tourniquets (CAT & SOF-T)
Hemostatic Dressings

Axillary Hemorrhage Control
(Junctional Tourniquets & X-STAT)
Surgical Cricothyrotomy
Ruggedized IV Therapy
Sternal Intraosseous Infusion
Field Blood Transfusions
Analgesic Field Options
Antibiotic Therapy
Chest Tube Insertion & Management
Urinary Catheter Insertion & Management
Burn Management (Rule of Tens & Parklands)
Escharotomy
Crush Syndrome Protocol
TBI Management & MACE Exam
Wound Debridement
Sutures / Staples
Local Anesthesia
Altitude Sickness Management
Anaphylaxis Management
Envenomation Management
Intro to CBRN Management
Intro to Prolonged Field Care
Intro to K-9 Trauma & Medical Emergencies



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References:



- 1) JSOM ATP Protocols Handbook 10th edition - <https://www.jsomonline.org/Journals.php#ATP-P>
- 2) TCCC-MP Guidelines – <http://www.naemt.org/education/naemt-tccc/tccc-mp-guidelines-and-curriculum>
- 3) Prolonged Field Care - <https://prolongedfieldcare.org/>
- 4) NREMT EMT – <https://www.nremt.org/rwd/public/document/psychomotor-exam>
- 5) NREMT Paramedic - <https://www.nremt.org/rwd/public/document/paramedic-portfolio>

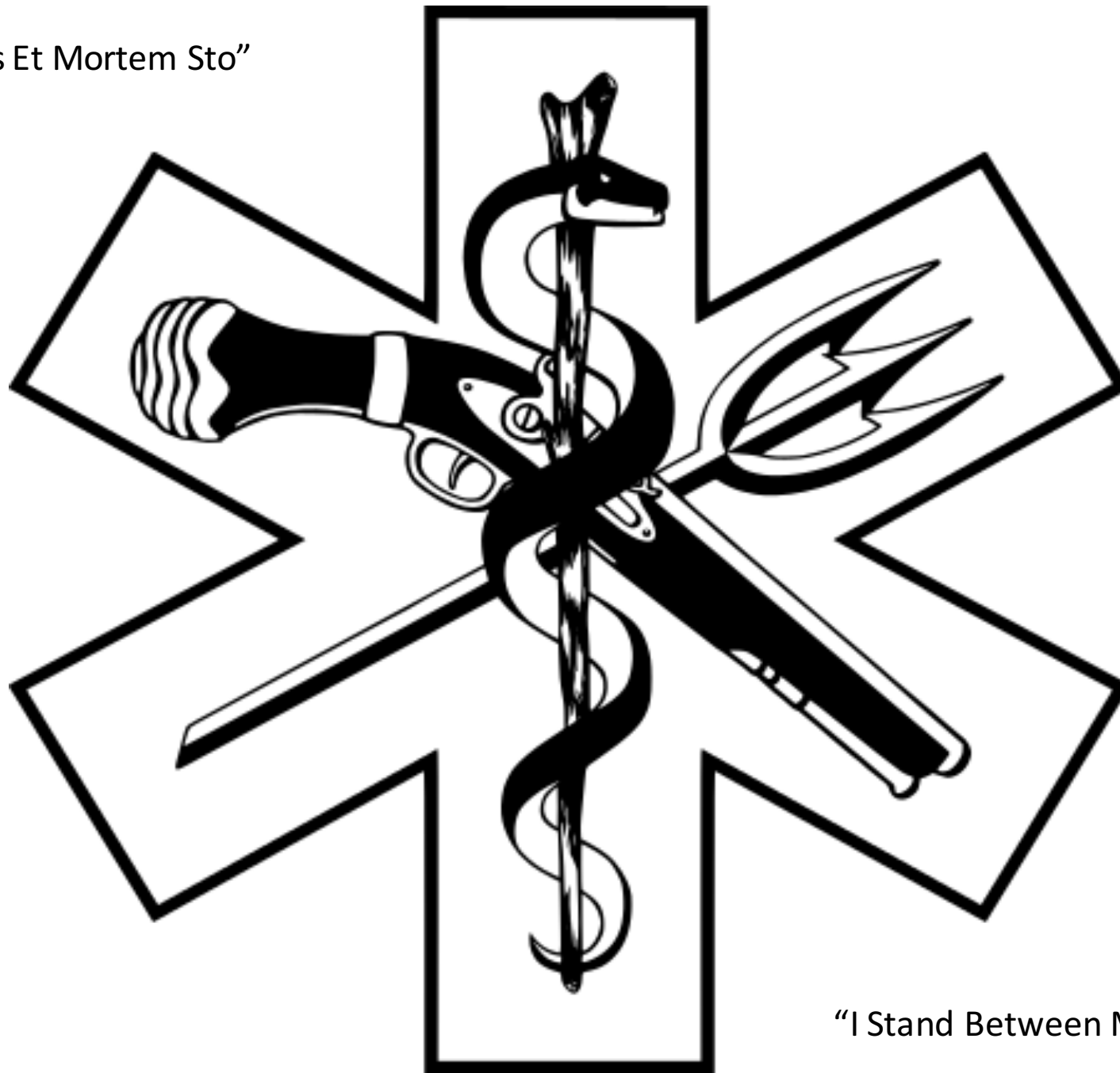


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“Inter Meos Fratres Et Mortem Sto”



“I Stand Between My Brothers and Death”