TRAINEE GUIDE

FOR

TACTICAL COMBAT CASUALTY CARE COURSE - TCCC

B-300-4010

PREPARED BY

NAVAL EXPEDITIONARY MEDICAL TRAINING INSTITUTE

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PREPARED FOR

NAVY MEDICINE SUPPORT COMMAND

8901 WISCONSIN AVENUE BETHESDA, MD 20889-5611

JULY 2015
# LIST OF EFFECTIVE ELEMENTS

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</tbody>
</table>
# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Contents</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Title Page</td>
<td>i</td>
</tr>
<tr>
<td>List of Effective Elements</td>
<td>ii</td>
</tr>
<tr>
<td>Change Record</td>
<td>iii</td>
</tr>
<tr>
<td>Security Awareness Notice</td>
<td>v</td>
</tr>
<tr>
<td>Safety/Hazard Awareness Notice</td>
<td>vi</td>
</tr>
<tr>
<td>Terminal Objectives</td>
<td>viii</td>
</tr>
<tr>
<td>Course Master Schedule</td>
<td>ix</td>
</tr>
</tbody>
</table>

## Unit 4 - Tactical Field Care

### Lesson Topic 4.1 - Demonstrate Tactical Field Care

- JOB SHEET 4-1-1 Combat Application Tourniquet ........................................... 1
- JOB SHEET 4-1-2 Drags and Carries ............................................................ 4
- JOB SHEET 4-1-3 Nasopharyngeal Airway ......................................................... 8
- JOB SHEET 4-1-4 Cricothyrotomy ................................................................. 11
- JOB SHEET 4-1-5 Needle Thoracentesis .......................................................... 16
- JOB SHEET 4-1-6 Combat Gauze ........................................................................ 20
- JOB SHEET 4-1-7 Rugged Field IV ................................................................... 23
- JOB SHEET 4-1-8 Intraosseous Infusion (F.A.S.T.1) ......................................... 27

## Unit 5 - Tactical Evacuation Care

### Lesson Topic 5.1 - DESCRIBE the differences between MEDEVAC and CASEVAC.

- JOB SHEET 5-1-1 Rugged Field IV .................................................................... 31
- JOB SHEET 5-1-2 Intraosseous Infusion (F.A.S.T.1) .......................................... 35
- JOB SHEET 5-1-3 SAM Junctional Tourniquet (SJT) Skill Sheet ......................... 39
SECURITY AWARENESS NOTICE

This course does not contain any classified material in any class or practical work session.
SAFETY/HAZARD AWARENESS NOTICE

DO NOT SERVICE OR ADJUST ALONE

Under no circumstances will a person operate or maintain equipment without the immediate presence or assistance of another person capable of rendering aid. Unless under direct supervision of a qualified person, no person shall operate or maintain equipment for which he is unqualified.

REPORT ALL HAZARDS

Subject: Safety hazards and precautions
Purpose: Identify possible safety hazards and injuries while attending NEMTI's TCCC programs. To include:
- Using SHARPS (scalpel, I.V. needles, etc.)
- Musculoskeletal injuries during practical applications and FINEX
- Heat Injuries (Dehydration, exhaustion, stroke)
- Eye Injuries
- Animal/Insect bites and/or stings
- Sunburn
- Hearing-loss
- Soft-tissue injuries (abrasions, lacerations, etc)

Disclaimer: TCCC is a program that will test students mentally and physically. It is required that all participants are in a FULL DUTY status. If you have any medical issues that would inhibit your participation in the course, we encourage you to re-attempt the course once these issues have been resolved. Any student that has pre-existing medical issues at the formation of the class WILL NOT BE ALLOWED TO CONTINUE. On-site medical evaluation will be performed by a NEMTI staff IDC, and if needed referred to Naval Hospital Camp Pendleton or nearest Medical Treatment Facility.

SAFETY - "TRAINING TIME OUT"

In any training situation when a student or instructor expresses concern for personal safety, it is an indication that a need for clarification of procedures or requirements exists and a "Training Time Out" (TTO) shall be called. An individual should verbally call "TRAINING TIME OUT" if they detect a hazardous condition during any teaching session (lab or theory), or raise a clenched fist to indicate a "TRAINING TIME OUT" if the verbal command cannot be heard. Training activities will be suspended until the hazardous situation has been examined and additional explanation and instruction has been provided to allow safe resumption of training. Caution should be used to ensure a halt to a procedure does not result in additional hazards. TTO follow-up procedures will be performed in
SAFETY/HAZARD AWARENESS NOTICE - Continued

accordance with NETCINST 5100.1 (Series) - Safety and Occupational Health, and High-Risk Training Safety Program Manual.

PRE-MISHAP PLAN

The Pre-Mishap plan explains the procedures to follow and essential telephone numbers to call in case of an accident or emergency. It is located by the emergency exit in the laboratory.
TERMINAL OBJECTIVES

1.0 IDENTIFY the three phases of Tactical Combat Casualty Care (TCCC) for a combat environment with a casualty ensuring appropriate care interventions are rendered

2.0 UTILIZE the P-MARCH-P algorithm to identify and assess injuries given a wounded casualty

3.0 PERFORM care under fire given a casualty and medical supplies in a combat environment, preventing further injury or death

4.0 PERFORM Tactical Field Care given a casualty and medical supplies, to prevent further injury or death

5.0 IDENTIFY Tactical Evacuation Care Guidelines for casualty care during the tactical evacuation phase to render appropriate care interventions
## COURSE MASTER SCHEDULE

**WEEK 1**

### Day 1

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<th>BottleNeck Ratio</th>
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COURSE MASTER SCHEDULE - Continued

Day 3

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JOB SHEET 4-1-1

COMBAT APPLICATION TOURNIQUET

A. INTRODUCTION

The objective of this skill sheet is to demonstrate the proper application of a Combat Application Tourniquet.

Students will perform the following steps on classmates. Students will be evaluated as a Pass/Fail (P/F). The instructor will verify the student's ability to quickly and effectively apply a Combat Application Tourniquet to an extremity of a fellow student by observing the student's procedure and technique.

B. EQUIPMENT

1. Consumables
   a. Combat Application Tourniquet (CAT), 6515-01-521-7976

2. Training Materials
   a. Student Checklists

C. REFERENCES

1. Prehospital Trauma Life Support (PHTLS), ISBN 1880696142

D. SAFETY PRECAUTIONS

None

E. JOB STEPS
F. SELF-TEST QUESTIONS

1. What is the purpose of the windless clip?

2. What is the purpose of the windless strap?

JOB SHEET 4-1-2

DRAGS AND CARRIES

A. INTRODUCTION

Demonstrate how to move a casualty in a Care Under Fire situation.

Students will be evaluated as a Pass/Fail (P/F). The instructor will verify the accuracy of the student's ability to drag/carry a casualty in a care under fire situation by means of observing the student's procedures and technique.

B. EQUIPMENT

1. Training Equipment
   a. TSSI Medical Bag, TSS-M9-CT

2. Training Materials
   a. Simulated, "Rescue Randy" 165 lbs, 651435
   b. Student Checklists

C. REFERENCES

1. Prehospital Trauma Life Support (PHTLS), ISBN 1880696142

D. SAFETY PRECAUTIONS

None

E. JOB STEPS

F. SELF-TEST QUESTIONS

1. Name an advantage of using the one-person drag?
2. What is one of the disadvantages to the two-person drag?

3. Under what circumstances would you use the two-person drag using lines?

4. What are the steps to perform the Hawes Carry?

JOB SHEET 4-1-3

NASOPHARYNGEAL AIRWAY

A. INTRODUCTION

**DEMONSTRATE** the recommended procedure for insertion of a Nasopharyngeal Airway.

Students will be evaluated as a Pass/Fail (P/F). The instructor will verify the accuracy of the student’s ability to insert a Nasopharyngeal Airway on an airway trainer by means of observing the student’s procedures and technique.

B. EQUIPMENT

1. Airway Simulator
2. Consumables
   a. Nasopharyngeal Airway w/Lube, 6515-01-529-1187
3. Training Materials
   a. Student Checklists

C. REFERENCES

1. Prehospital Trauma Life Support (PHTLS), ISBN 1880696142

D. SAFETY PRECAUTIONS

None

E. JOB STEPS

F. SELF-TEST QUESTIONS

1. TRUE/ FALSE  Nasopharyngeal Airway (NPA) is better tolerated by a conscious patient.
2. What is the first step that you should perform before inserting the Nasopharyngeal Airway (NPA)?

3. What angle should the Nasopharyngeal Airway (NPA) be inserted?

CRICOTHYROTOMY

A. INTRODUCTION

DEMONSTRATE the procedure for a surgical airway (cricothyroidotomy) using the Cric-Key. Students will be evaluated as a Pass/Fail (P/F). The instructor will verify the accuracy of the student's ability to perform an emergency surgical cricothyroidotomy using the Cric-Key on an airway trainer by means of observing the student's procedures and technique.

B. EQUIPMENT

1. Cricothyroidotomy Simulator
2. Consumables
   a. CricKit, Emergency Cricothyroidotomy Kit, 6515-01-540-7568
   b. 10cc - 20G x 1" Syringe & Needle, 100/bx, SEVERAL
   c. Betadine/Alcohol Prep
   d. Scalpel, #10 or #15
   e. Gauze pads
   f. Circumferential Tie
   g. Ambu Bag
   h. Melker Cricothyroidotomy Airway Cannula - Control Cric Kit, 13-500
3. Training Materials
   a. Student Checklists

C. REFERENCES

1. Tactical Combat Casualty Care (TCCC) Guidelines for Medical Personnel, 150603

D. SAFETY PRECAUTIONS

None
E. JOB STEPS

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F. SELF-TEST QUESTIONS

1. The CRIC incision line is located between the _____________________________ and the Cricoid Cartilage.

2. The thyroid prominence, commonly called the _______________________ is usually visible in males.

3. What size tube should be used for the airway?

JOB SHEET 4-1-5

NEEDLE THORACENTESIS

A. INTRODUCTION

**DEMONSTRATE** the appropriate procedure for needle decompression of a tension pneumothorax.

Students will be evaluated as a Pass/Fail (P/F). The instructor will verify the accuracy of the student's ability to perform an emergency surgical cricothyroidotomy using the Cric-Key on an airway trainer by means of observing the student's procedures and technique.

B. EQUIPMENT

1. Needle Decompression Simulator
2. Consumables
   a. Combat Gauze Dressing, 30-0039
   b. Betadine/Alcohol Prep
   c. Gauze Tape, NON270101
   d. Needle/catheter 14 gauge and 3.25"
3. Training Materials
   a. Student Checklists
C. REFERENCES

1. Prehospital Trauma Life Support (PHTLS), ISBN 1880696142

D. SAFETY PRECAUTIONS

None

E. JOB STEPS

F. SELF-TEST QUESTIONS

1. What is the goal for the treatment for tension pneumothorax?

2. Name an acceptable alternate site for needle decompression?

3. After decompression of a tension pneumothorax what should you do after the needle is removed?

JOB SHEET 4-1-6

COMBAT GAUZE

A. INTRODUCTION

Demonstrate the proper technique and procedures for applying a hemostatic dressing to control hemorrhage.

The instructor will verify the accuracy of the student's ability to apply a hemostatic dressing effectively on the wound of a fellow student simulating a casualty by means of observing the student's procedures and technique. Students will be evaluated as a Pass/Fail (P/F).

B. EQUIPMENT

1. Consumables
   a. Combat Gauze Dressing, 30-0039
   b. Mariner Kit, 6545-01-543-5770

2. Training Equipment
   a. TSSI Medical Bag, TSS-M9-CT
A. INTRODUCTION

**DEMONSTRATE** the appropriate procedure for initiating a rugged IV field setup

B. EQUIPMENT

1. Consumables
   a. medical aid bag to include: IV line, IV solution (500mL recommended),

2. Training Materials
   a. Student Checklists

C. REFERENCES

1. Prehospital Trauma Life Support (PHTLS), ISBN 1880696142

D. SAFETY PRECAUTIONS

None

E. JOB STEPS

None.
F. SELF-TEST QUESTIONS

1. For Rugged IV access, what size catheter should be used?

2. What intervals should the saline lock be flushed if the IV is not running?

JOB SHEET 4-1-8

INTRAOSSEOUS INFUSION (F.A.S.T.1)

A. INTRODUCTION

**DEMONSTRATE** the correct procedure for initiating an intraosseous infusion.

Students will be evaluated as a Pass/Fail (P/F). The instructor will verify the student’s ability to initiate an IO infusion on an intraosseous therapy trainer by observing the student’s procedure and technique.

B. EQUIPMENT

1. Consumables
   a. F.A.S.T. 1 Training Supplies/ 10 people, 620046
   b. SimIO accessories (Target Patches), 620046
   c. IV Administration Set
   d. 5cc Syringe
   e. 250cc bag

2. Training Materials
   a. Student Checklists

C. REFERENCES

None

D. SAFETY PRECAUTIONS

None

E. JOB STEPS
A. INTRODUCTION

**DEMONSTRATE** the appropriate procedure for initiating a rugged IV field setup

B. EQUIPMENT

1. Consumables
   a. medical aid bag to include: IV line, IV solution (500mL recommended),
2. Training Materials
   a. Student Checklists

C. REFERENCES

1. Prehospital Trauma Life Support (PHTLS), ISBN 1880696142

D. SAFETY PRECAUTIONS

None

E. JOB STEPS

F. SELF-TEST QUESTIONS

1. For Rugged IV access, what size catheter should be used?

2. What intervals should the saline lock be flushed if the IV is not running?
A. INTRODUCTION

**DEMONSTRATE** the correct procedure for initiating an intraosseous infusion.

Students will be evaluated as a Pass/Fail (P/F). The instructor will verify the student’s ability to initiate an IO infusion on an intraosseous therapy trainer by observing the student’s procedure and technique.

B. EQUIPMENT

1. Consumables
   a. F.A.S.T. 1 Training Supplies/ 10 people, 620046
   b. SimIO accessories (Target Patches), 620046
   c. IV Administration Set
   d. 5cc Syringe
   e. 250cc bag

2. Training Materials
   a. Student Checklists

C. REFERENCES

None

D. SAFETY PRECAUTIONS

None

E. JOB STEPS

None

F. SELF-TEST QUESTIONS

None.

JOB SHEET 5-1-3

SAM JUNCTIONAL TOURNIQUET (SJT) SKILL SHEET

A. INTRODUCTION

Objective: **DEMONSTRATE** the proper application of a SAM Junctional Tourniquet (SJT).

Students will be evaluated as a Pass/Fail (P/F), the instructor will verify the student's ability to
quickly and effectively apply a SJT to a fellow student by observing the student's procedure and technique.

B. EQUIPMENT

1. SAM Junctional Tourniquet (SJT)
2. Training Materials
   a. Student Checklists

C. REFERENCES

1. TCCC for HMs, 101

D. SAFETY PRECAUTIONS

None

E. JOB STEPS

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F. SELF-TEST QUESTIONS

1. What are the four parts of the SAM junctional tourniquet?

2. What does the acronym TCD stand for?

3. What is the purpose of the TCD?