

TACTICAL COMBAT CASUALTY CARE COURSE

MODULE 18: CASUALTY MONITORING



Committee on
Tactical Combat
Casualty Care
(CoTCCC)

TCCC TIER 1
All Service Members

TCCC TIER 2
Combat Lifesaver

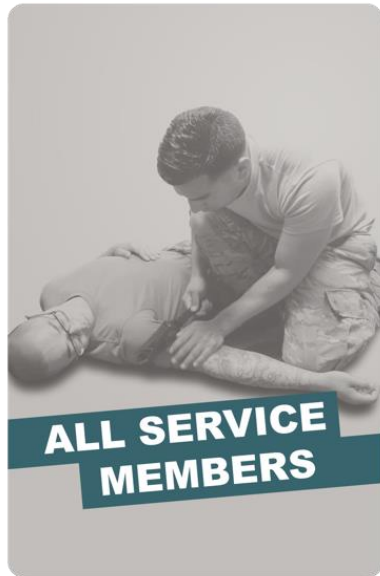
TCCC TIER 3
Medic/Corpsman

TCCC TIER 4
Combat Paramedic/Provider

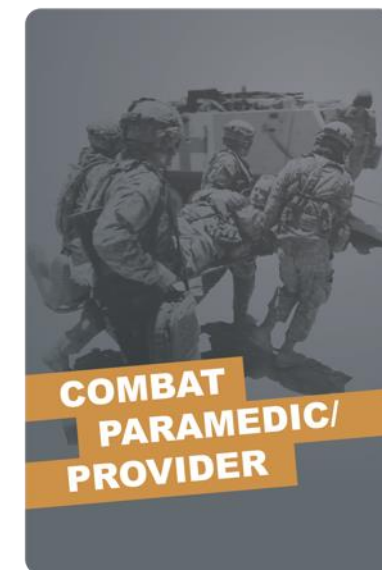
TACTICAL COMBAT CASUALTY CARE (TCCC) ROLE-BASED TRAINING SPECTRUM

ROLE 1 CARE

NONMEDICAL PERSONNEL



MEDICAL PERSONNEL



◀ **YOU ARE HERE**

STANDARDIZED JOINT CURRICULUM

TERMINAL LEARNING OBJECTIVE

20 Given a combat or noncombat scenario, perform monitoring of a trauma casualty during Tactical Field Care in combat in accordance with CoTCCC Guidelines

- **92** Identify the methods to assess level of consciousness, pulses, and respiratory rate on a trauma casualty in Tactical Field Care
- **93** Demonstrate assessment of radial/carotid pulse and respirations in a trauma casualty in Tactical Field Care

02 ENABLING LEARNING OBJECTIVES (ELOs)

● = Cognitive ELOs ● = Performance ELOs

Three PHASES of TCCC

1 CARE UNDER FIRE

RETURN FIRE
AND TAKE COVER

Quick decision-making:

- Consider scene safety
- Identify and control life-threatening bleeding
- Move casualty to safety

2 TACTICAL FIELD CARE

COVER AND
CONCEALMENT

Basic management plan:

- Maintain tactical situational awareness
- Triage casualties as required
- Conduct MARCH PAWS assessment

3 TACTICAL EVACUATION CARE

More deliberate assessment and treatment of unrecognized life-threatening injuries

- Pre-evacuation procedures
- Continuation of documentation

NOTE: This is covered in more advanced TCCC training!



YOU ARE HERE

ASSESSMENT USING **MARCH PAWS**

Re-bleeding



**MASSIVE
BLEEDING**

**Check for re-bleeding on
any previous treatments**

Management



AIRWAY

**Ensure airway remains open
and no obstructions**



Reassess casualty every 5 – 10 minutes for
change in status until hand-off with medical
personnel

ASSESSMENT USING MARCH PAWS (CONT.)

Breathing Rate

MARCH

RESPIRATION
BREATHING

Pulse

MARCH

CIRCULATION

Level of Consciousness

MARCH

HYPOTHERMIA
HEAD INJURIES

Document any changes in status on the casualty's DD Form 1380

If medical personnel arrive in the middle of reassessment, stop and hand off casualty immediately

TACTICAL COMBAT CASUALTY CARE (TCCC) CARD

BATTLE ROSTER #:

EVAC: ☐ Urgent ☐ Priority ☐ Routine

NAME (Last, First): LAST 4: TIME: DATE (DD-MM-YY):

GENDER: ☐ M ☐ F

SERVICE: UNIT: ALLERGIES:

Mechanism of Injury: (X all that apply)

☐ Artillery ☐ Blunt ☐ Burn ☐ Fall ☐ Grenade ☐ GSW ☐ IED

☐ Landmine ☐ MVC ☐ RPG ☐ Other:

Injury: (Mark injuries with an X)

TQ: R Arm TYPE: TIME: TQ: L Arm TYPE: TIME:

TQ: R Leg TYPE: TIME: TQ: L Leg TYPE: TIME:

Signs & Symptoms: (Fill in the blank)

Time	Pulse (Rate & Location)	Blood Pressure	Respiratory Rate	Pulse Ox % O2 Sat	AVPU	Pain Scale (0-10)

DD Form 1380, JUN 2014 TCCC CARD

BATTLE ROSTER #:

EVAC: ☐ Urgent ☐ Priority ☐ Routine

Treatments: (X all that apply, and fill in the blank)

C: TQ: ☐ Extremity ☐ Junctional ☐ Truncal

Dressing: ☐ Hemostatic ☐ Pressure ☐ Other

A: ☐ Intact ☐ NPA ☐ CRIC ☐ ET-Tube ☐ SGA

B: ☐ O2 ☐ Needle-0 ☐ Chest-Tube ☐ Chest-Seal

C:

Name	Volume	Route	Time
Fluid			
Blood Product			

MEDS:

Name	Dose	Route	Time
Analgesic (e.g. Ketamine, Fentanyl, Morphine)			
Antibiotic (e.g. Moxifloxacin, Ertapenem)			
Other (e.g. TXA)			

OTHER: ☐ Combat-Pill-Pack ☐ Eye-Shield ☐ R ☐ L ☐ Splint

☐ Hypothermia-Prevention Type:

NOTES:

FIRST RESPONDER NAME (Last, First): LAST 4: DD Form 1380, JUN 2014 (Back) TCCC CARD

LEVEL OF CONSCIOUSNESS



Check every 15 minutes (or if seriously wounded every 5–10) for decrease in AVPU:

Alert

Verbal

Pain

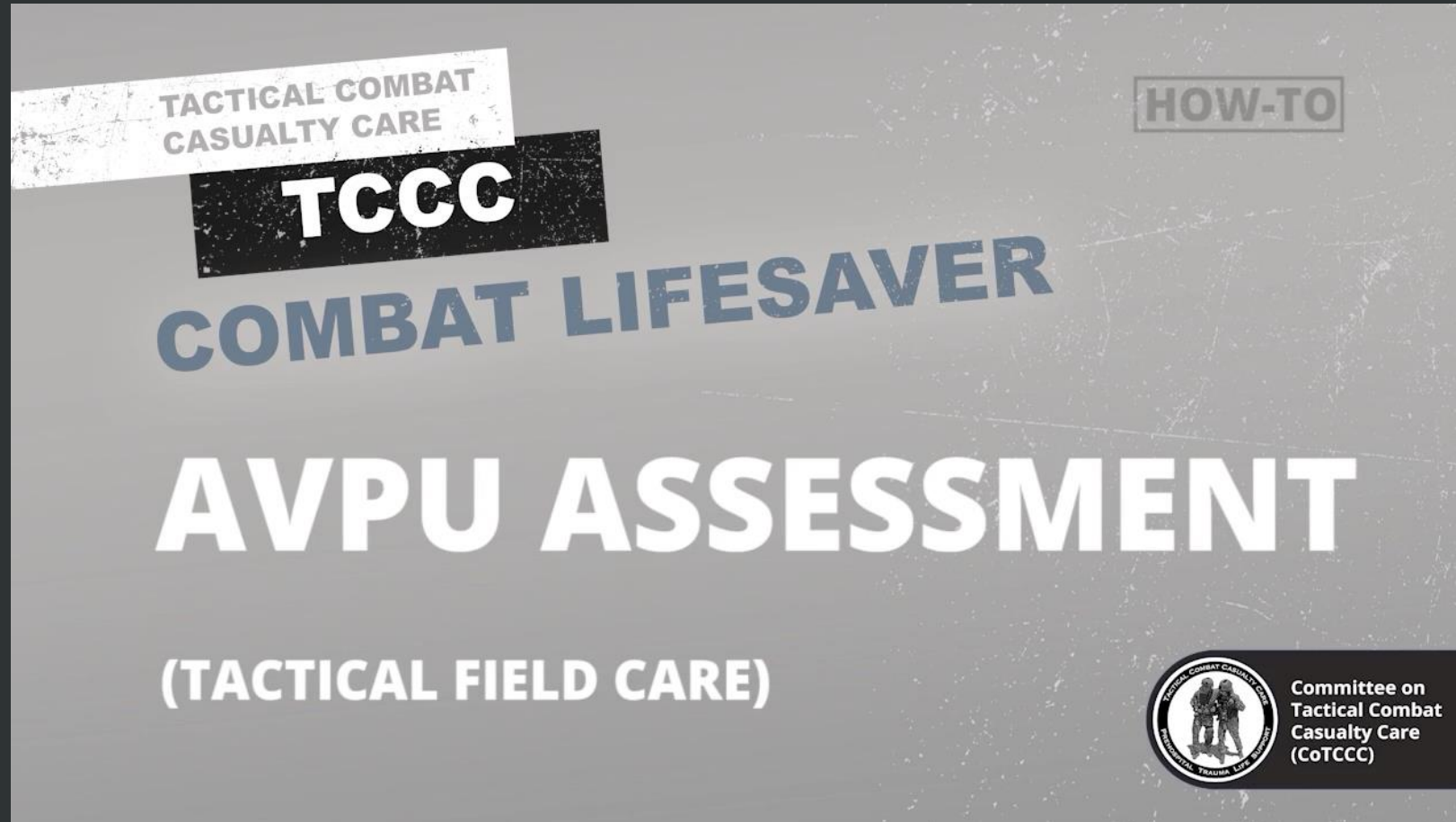
Unconscious

This could indicate condition worsening

If casualty is not **ALERT**, indicating decreased mental status, the casualty should not have weapons or communications equipment



AVPU ASSESSMENT HOW-TO



Video can be found on [DeployedMedicine.com](https://www.deployedmedicine.com)

CASUALTY MONITORING

CHECKING PULSE



CAROTID (neck)

If casualty status is noted to be deteriorating when assessed, reassess MARCH PAWS sequence



RADIAL (wrist)

No radial pulse is an indicator of shock



Video can be found on [DeployedMedicine.com](https://www.deployedmedicine.com)

IMPORTANT CONSIDERATIONS:

Measure the number of felt heartbeats in **1 MINUTE** and record on casualty's DD Form 1380

CHECKING RESPIRATIONS

LOOK, LISTEN, AND FEEL FOR RESPIRATIONS

If a casualty becomes unconscious or their breathing rate drops below **8 respirations within 1 minute**, insert a nasopharyngeal airway

Assess for tension pneumothorax and treat as necessary

Perform needle decompression in the presence of tension pneumothorax

Reassess to confirm that needle decompression of the chest (NDC) was successful



SKILL STATION

Casualty Monitoring Concepts (Skills)

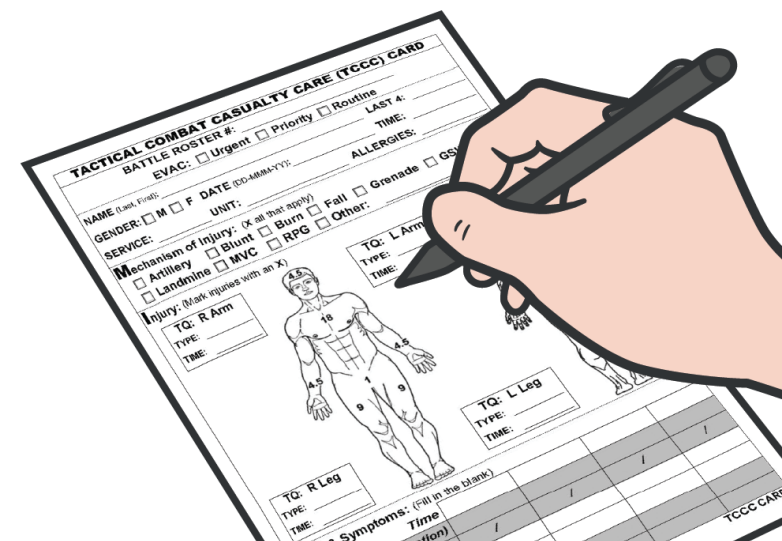
- Level of consciousness
- Radial pulse
- Carotid pulse
- Tibial pulse

SUMMARY

LOOK, LISTEN, and FEEL FOR RESPIRATIONS



- We discussed assessment using **MARCH-PAWS**
- We discussed levels of consciousness
- We discussed checking for pulse
- We discussed checking respirations



CHECK ON LEARNING

How is a casualty monitored after the
MARCH PAWS sequence has been executed?

ANY QUESTIONS?