

TACTICAL COMBAT CASUALTY CARE COURSE

MODULE 13: EYE INJURIES



Committee on
Tactical Combat
Casualty Care
(CoTCCC)

TCCC TIER 1
All Service Members

TCCC TIER 2
Combat Lifesaver

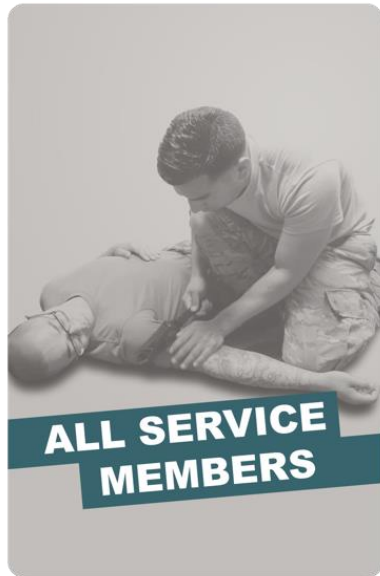
TCCC TIER 3
Medic/Corpsman

TCCC TIER 4
Combat Paramedic/Provider

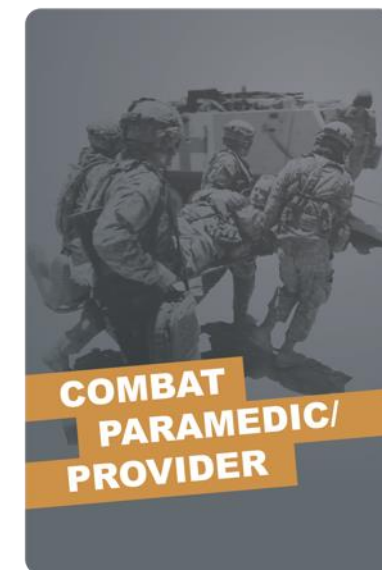
TACTICAL COMBAT CASUALTY CARE (TCCC) ROLE-BASED TRAINING SPECTRUM

ROLE 1 CARE

NONMEDICAL PERSONNEL



MEDICAL PERSONNEL



◀ **YOU ARE HERE**

STANDARDIZED JOINT CURRICULUM

TERMINAL LEARNING OBJECTIVE

14 Given a combat or noncombat scenario, perform assessment and initial treatment of penetrating eye trauma during Tactical Field Care in accordance with CoTCCC Guidelines

- **75** Identify basic care of an eye injury in accordance with CoTCCC Guidelines
- **76** Demonstrate the application of a rigid eye shield to 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

TACTICAL FIELD CARE

MARCH PAWS

DURING LIFE-THREATENING

- M** MASSIVE BLEEDING #1 Priority
- A** AIRWAY
- R** RESPIRATION (*breathing*)
- C** CIRCULATION
- H** HYPOTHERMIA / HEAD INJURIES

AFTER LIFE-THREATENING

- P** PAIN
- A** ANTIBIOTICS
- W** WOUNDS
- S** SPLINTING

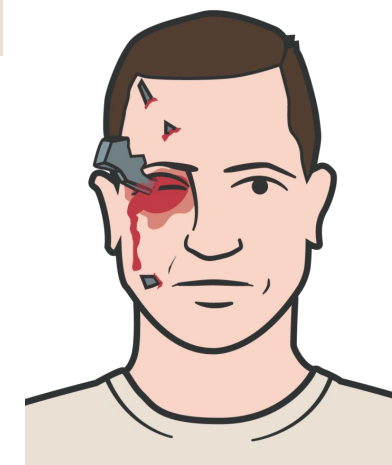
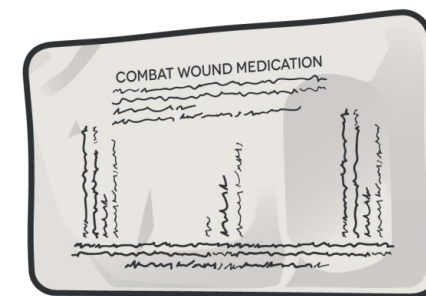
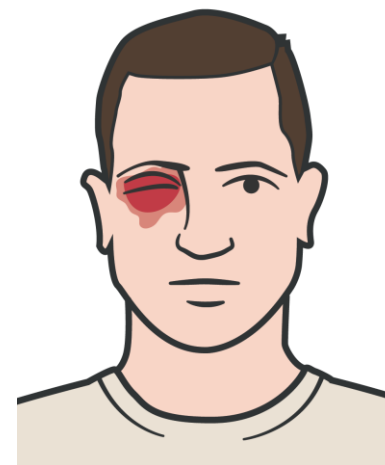
EYE INJURIES OVERVIEW



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

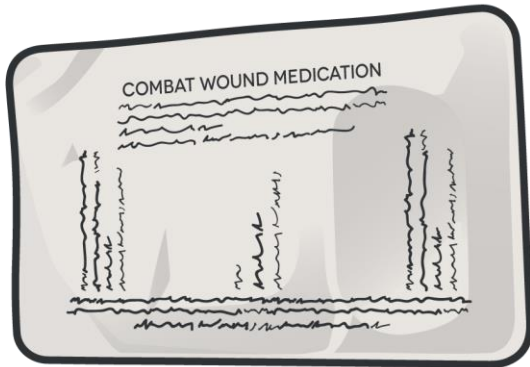
WHEN TO SUSPECT A PENETRATING EYE INJURY

- 1 **Bleeding surrounding the eye, inside the eyeball;**
or **coming from the eyeball**
- 2 **Obvious penetration of shrapnel or debris** into
the eyeball or eye socket
- 3 **Protruding objects** from the globe of the eyeball
- 4 **Swelling or lacerations** of the globe of the eyeball
- 5 **Protrusion of the globe of the eyeball** from the
eye socket
- 6 **Reduced vision and swelling** of the eye area
- 7 **Misshapen or distorted parts** of the eye



IF A **PENETRATING EYE INJURY** IS NOTED OR SUSPECTED

- 1 Perform a rapid field test of visual acuity and document findings
- 2 Cover the affected eye with a rigid eye shield (**NOT** a pressure patch)
- 3 Administer the casualty's complete Combat Wound Medication Pack (CWMP), all the medications contained

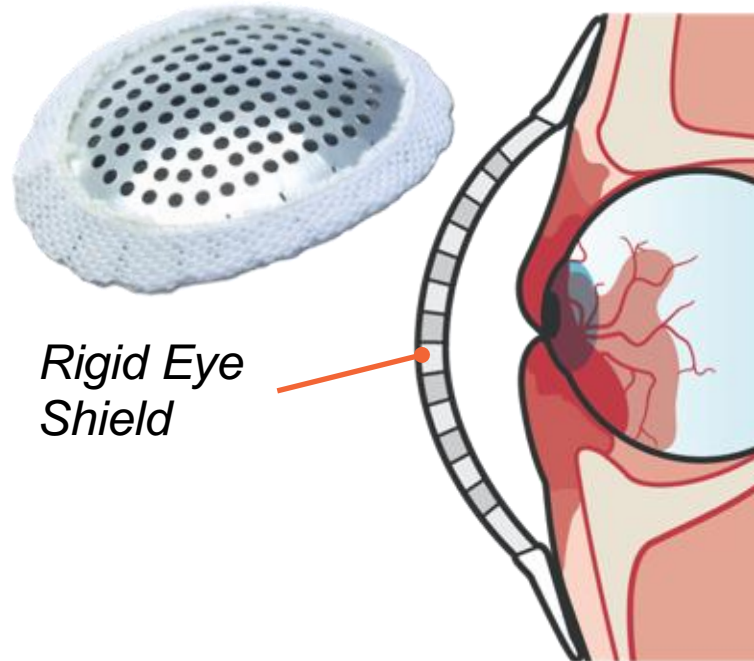
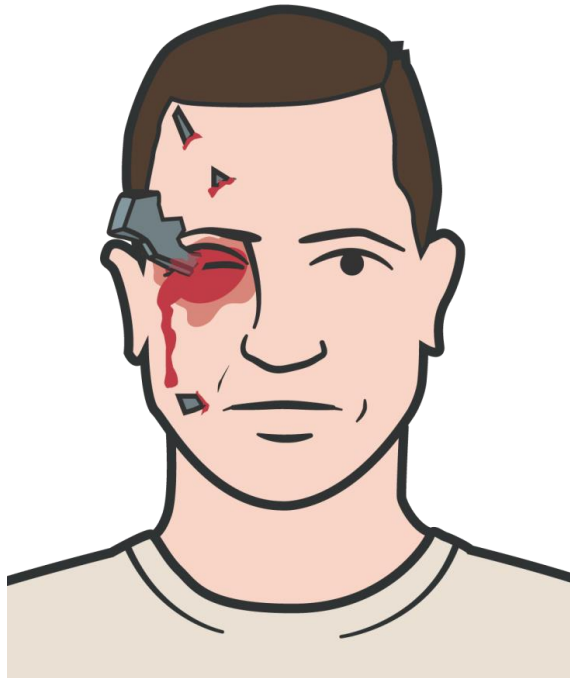


Remember:

All treatments performed must be documented in the casualty's DD Form 1380



PROTECTING THE EYE



Rigid Eye Shield

Apply a rigid eye shield

When penetrating eye trauma due to shrapnel is suspected, it is critically important to prevent manipulation or additional trauma to the eye that might cause further damage to the eye



IMPORTANT!
DO NOT APPLY PRESSURE

Avoid/prevent manipulation or additional trauma to the eye that might cause further damage

Pressure on the eye could force the interior contents of the eye out of the eyeball through a cut or laceration

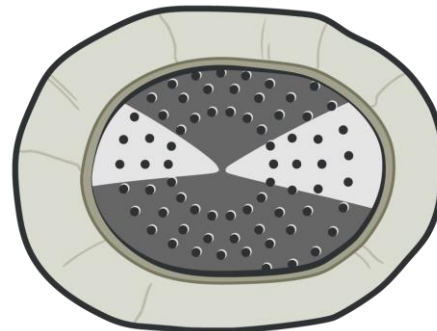
APPLYING RIGID EYE SHIELD



Rigid eye shield is found in JFAK;
if eye shield is not available, use
casualty's tactical eyewear to protect
the injured eye

Secure the rigid eye shield with tape
at 45-degree angles across the
forehead and cheek

Do **NOT** cover both eyes unless
both eyes are injured



REMEMBER:

Rigid eye shields should be
placed over both eyes only
when you are sure or at least
strongly suspect that both
eyes have been injured

If the casualty is conscious,
ensure administration of the
complete CWMP

DOCUMENT TREATMENT

TACTICAL COMBAT CASUALTY CARE (TCCC) CARD

BATTLE ROSTER #:

EVAC: ☐ Urgent ☐ Priority ☐ Routine

NAME (Last, First):

GENDER: ☐ M ☐ F DATE (DD-MMM-YY):

SERVICE: UNIT:

Mechanism of Injury: (X all that apply)

☐ Artillery ☐ Blunt ☐ Burn ☐ Fall ☐ Grenade ☐ GSV

☐ Landmine ☐ MVC ☐ RPG ☐ Other:

Injury: (Mark injuries with an X)

TQ: R Arm

TYPE:

TIME:

TQ: L Arm

TYPE:

TIME:

TQ: L Leg

TYPE:

TIME:

TQ: R Leg

TYPE:

TIME:

Symptoms: (Fill in the blank)

Time

ation)

TCCC CARD

- Document all assessments and treatment on the **DD Form 1380**
- Be sure to include any medications administered and the time administered

APPLYING THE RIGID EYE SHIELD



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

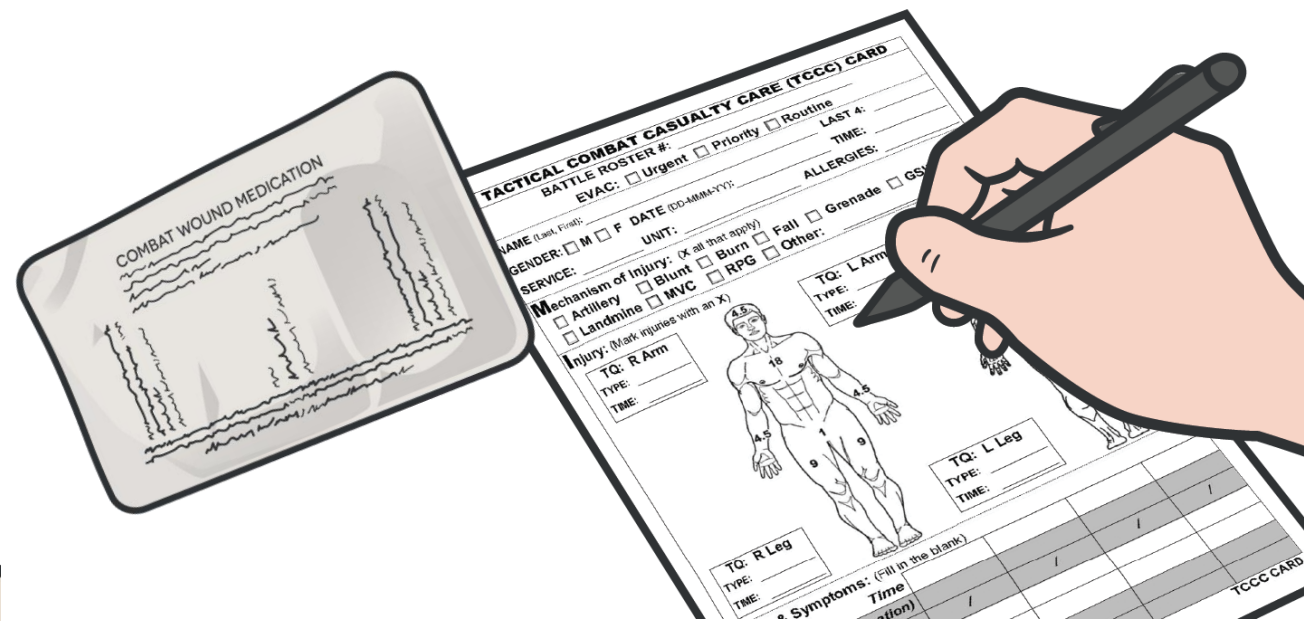
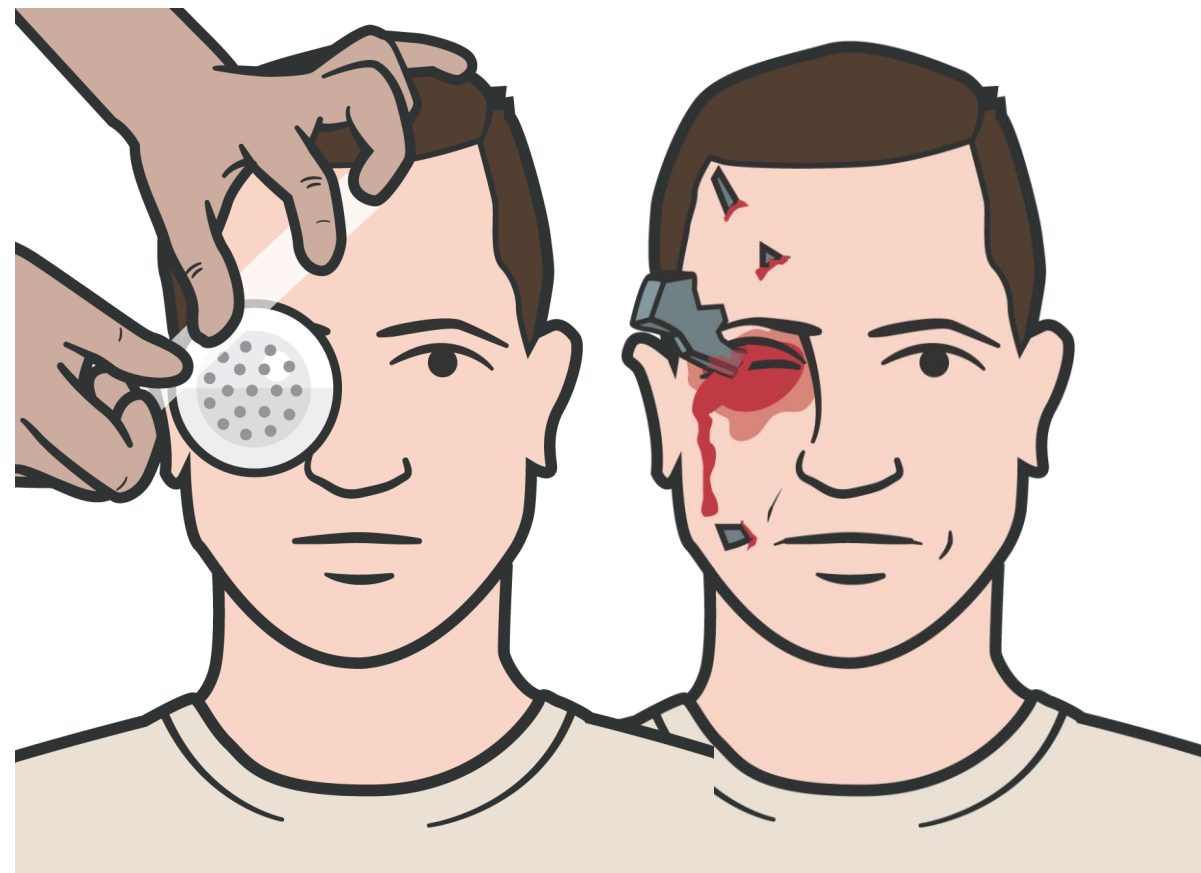
SKILL STATION

Rigid Eye Shield (Skill)

Rigid Eye Shield

SUMMARY

- We identified **eye injuries**
- We discussed eye injury **treatment**
- We discussed **applying** an eye shield
- We discussed **documentation**



CHECK ON LEARNING

What kind of dressing should be used on penetrating eye trauma with an impaled object?

True or False: Protecting the injured eye with an eye shield is just as safe as using a patch or a pressure dressing?

True or False: Only the injured eye should be covered with an eye shield.

ANY QUESTIONS?