

Master Your Medics

E-Book

First Edition

25 Mass Casualty Scenarios

Geoff Murphy



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Major Power Plant Malfunction: A significant malfunction at a power plant leads to an explosion, causing burns, trauma from blasts, and potential radiation exposure.....**Page : 49**

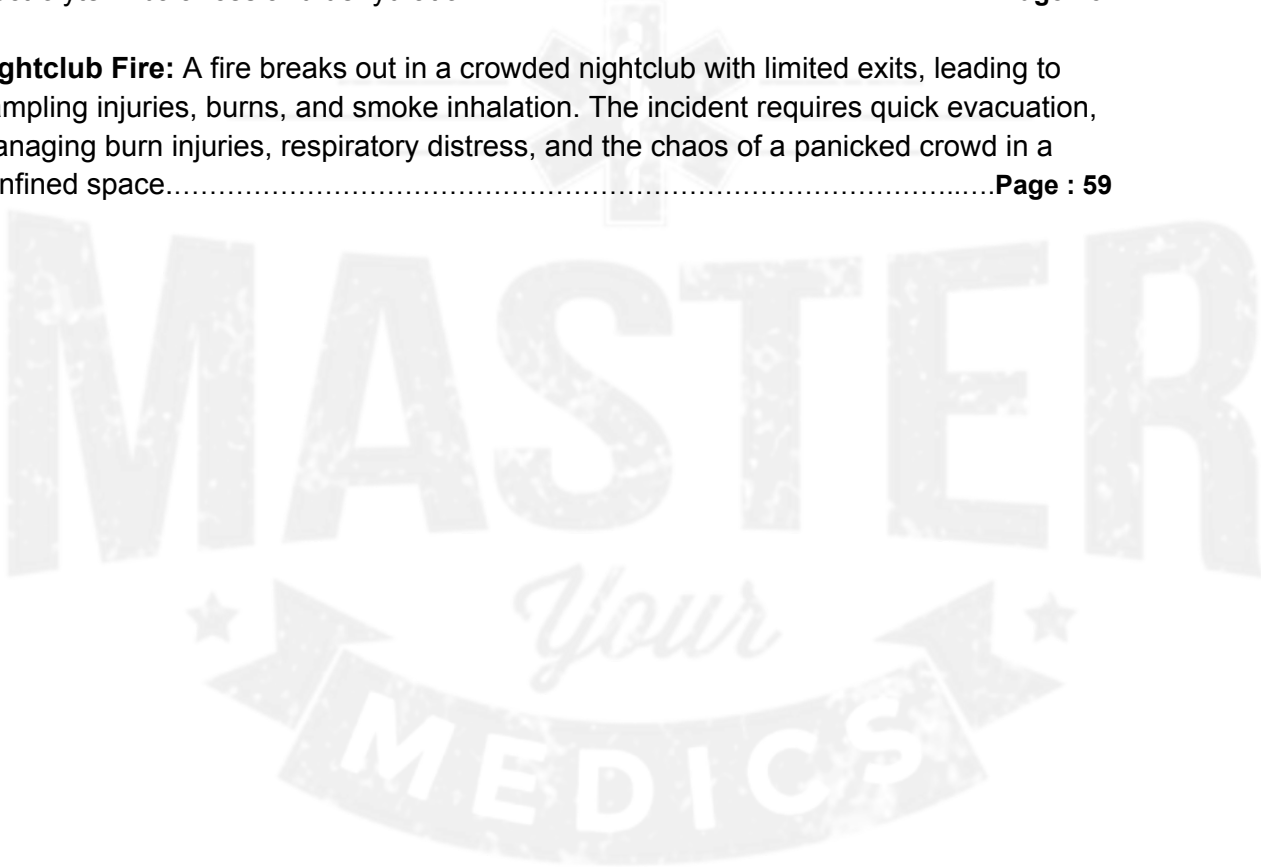
Landslide in a Mountainous Region: A landslide in a mountainous tourist area destroys several campgrounds and hiking trails. Casualties include trauma from being struck by debris, potential entrapments, and injuries sustained from falls. Responders face challenges in accessing remote areas and navigating rugged terrain.....**Page : 51**

Multi-Vehicle Collision in a Tunnel: A multi-vehicle collision occurs in a busy tunnel, involving cars and a fuel tanker, leading to a fire. This scenario includes managing burn injuries, potential exposure to hazardous materials, and the difficulty of evacuating and treating patients in a confined and potentially dangerous environment.....**Page : 53**

Amusement Park Ride Failure: A mechanical failure on a roller coaster at a busy amusement park results in multiple injuries. This scenario involves managing traumatic injuries from falls and collisions, including head traumas, fractures, and potential spinal injuries. Responders must also handle the psychological impact on children and families present at the scene.....**Page : 55**

Heatwave Leading to Mass Heatstroke: During an extreme heatwave, a large public event leads to multiple cases of heatstroke and dehydration, particularly among vulnerable populations like the elderly and young children. Paramedics face the challenge of rapid triage and treatment for heat-related illnesses, including managing electrolyte imbalances and dehydration.....**Page : 57**

Nightclub Fire: A fire breaks out in a crowded nightclub with limited exits, leading to trampling injuries, burns, and smoke inhalation. The incident requires quick evacuation, managing burn injuries, respiratory distress, and the chaos of a panicked crowd in a confined space.....**Page : 59**



START TRIAGE



Keep Moving

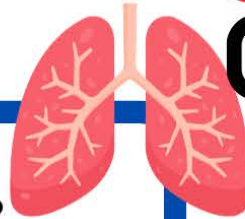
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Yellow Tag

Red Tag

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"Respirations"
Are They Breathing?



YES

NO

Over 30
Breaths / Min

Under 30
Breaths / Min



Position Airway

"Did they start breathing?"

YES

NO



Perfusion
Pulse Present?

NO

YES

Cap refill

Over 2 Seconds?

YES

NO



Mental Status
"Can they follow
simple commands?"

NO

YES

Highway Pile-Up: Simulate a scenario where foggy conditions have led to a major pile-up on a highway involving multiple vehicles, including a bus. There are numerous injuries, ranging from minor to critical, and potential entrapments in vehicles.

Patient 1: 45-year-old male

Injury Description: Broken left leg with suspected pelvic fracture.

Triage Color: Yellow

Current Presentation: Conscious, in pain, pale, and sweating.

Vitals: BP 110/70, HR 110, RR 24.

Moulage: Makeup to simulate a visibly deformed left leg and bruising around the pelvic area.

EMT Level Treatment: Stabilization of the leg, pelvic binder, oxygen administration, and monitoring vitals.

Paramedic Level Treatment: IV access, pain management, and preparation for transport with spinal precautions.

Patient 2: 30-year-old female

Injury Description: Head injury with a laceration on the forehead and confusion.

Triage Color: Yellow

Current Presentation: Disoriented, responding to verbal commands.

Vitals: BP 130/85, HR 95, RR 20.

Moulage: Fake blood for the laceration, possible simulated swelling.

EMT Level Treatment: Bleeding control, cervical spine stabilization, and frequent neurological checks.

Paramedic Level Treatment: Advanced airway management if needed, IV fluids, and transport to a trauma center.

Patient 3: 60-year-old male

Injury Description: Chest pain and difficulty breathing.

Triage Color: Red

Current Presentation: Anxious, clutching chest, short of breath.

Vitals: BP 160/90, HR 120, RR 32, SpO2 92%.

Moulage: None required.

EMT Level Treatment: Oxygen administration, assisted ventilation if necessary, and preparation for rapid transport.

Paramedic Level Treatment: ECG, administration of aspirin and nitroglycerin, IV access, and continuous monitoring.

Patient 4: 16-year-old female

Injury Description: Suspected spinal injury, no visible wounds.

Triage Color: Yellow

Current Presentation: Numbness in legs, immobilized, alert.

Vitals: BP 115/75, HR 80, RR 18.

Moulage: None required.

EMT Level Treatment: Cervical spine immobilization, backboard, and careful monitoring of neurological signs.

Paramedic Level Treatment: IV access, transport with spinal precautions, and detailed neurological assessment.

Patient 5: 8-year-old male

Injury Description: Arm fracture and facial abrasions.

Triage Color: Yellow

Current Presentation: Crying, visible deformity in right arm, minor bleeding from abrasions.

Vitals: BP 100/65, HR 130, RR 22.

Moulage: Makeup for abrasions and a fake cast for the arm.

EMT Level Treatment: Splinting the arm, cleaning and dressing wounds, comforting the patient.

Paramedic Level Treatment: Pain management, IV access, and considering child-specific trauma protocols for transport.

Patient 6: 55-year-old female

Injury Description: Abdominal pain and bruising, possible internal injury.

Triage Color: Red

Current Presentation: Guarding abdomen, very anxious, in severe pain.

Vitals: BP 90/60, HR 110, RR 26.

Moulage: Bruising makeup on the abdomen.

EMT Level Treatment: Position of comfort, monitoring for signs of shock.

Paramedic Level Treatment: IV access, fluid administration, rapid transport, and constant monitoring.

Patient 7: 70-year-old male

Injury Description: Shortness of breath, suspected rib fractures.

Triage Color: Red

Current Presentation: Shallow breathing, pain on breathing, holding chest.

Vitals: BP 145/85, HR 98, RR 30, SpO2 89%.

Moulage: None required.

EMT Level Treatment: Oxygen administration, assisting ventilation if needed, and chest injury management.

Paramedic Level Treatment: Pain management, possible use of CPAP, IV access, and monitoring for pneumothorax.

Patient 8: 22-year-old male

Injury Description: Multiple lacerations and glass embedded in skin from shattered windshield. Triage Color: Red

Current Presentation: Bleeding profusely, in shock, semi-conscious.

Vitals: BP 85/50, HR 130, RR 20, pale and cool skin.

Moulage: Fake glass and blood for realistic appearance.

Mass Shooting at a Mall: A situation where an active shooter in a crowded shopping mall has resulted in multiple casualties. The scenario involves triage, managing traumatic injuries, and coordinating with law enforcement.

Patient 1: 34-year-old male

Injury Description: Gunshot wound to the abdomen.

Triage Color: Red

Current Presentation: Conscious, severe pain, pale, and sweating.

Vitals: BP 90/60, HR 130, RR 24, SpO2 96%.

Moulage: Fake blood and wound simulation on the abdomen.

EMT Level Treatment: Direct pressure to control bleeding, shock management, and rapid transport.

Paramedic Level Treatment: IV fluids, pain management, advanced trauma life support protocols.

Patient 2: 26-year-old female

Injury Description: Gunshot wound to the right thigh with arterial bleeding.

Triage Color: Red

Current Presentation: Semi-conscious, severe bleeding.

Vitals: BP 80/50, HR 145, RR 30.

Moulage: Simulated arterial bleeding on the right thigh.

EMT Level Treatment: Application of a tourniquet, treatment for shock.

Paramedic Level Treatment: IV access, fluid resuscitation, and rapid transport.

Patient 3: 50-year-old female

Injury Description: Gunshot wound to the chest, difficulty breathing.

Triage Color: Red

Current Presentation: Alert but struggling to breathe, anxious.

Vitals: BP 120/80, HR 110, RR 32, SpO2 90%.

Moulage: Chest wound simulation with fake blood.

EMT Level Treatment: High-flow oxygen, positioning to ease breathing, monitoring for tension pneumothorax.

Paramedic Level Treatment: Needle decompression if indicated, IV access, and preparation for rapid transport.

Patient 4: 17-year-old male

Injury Description: Multiple shrapnel wounds from an explosive device.

Triage Color: Yellow

Current Presentation: In shock, confused, multiple bleeding sites.

Vitals: BP 100/70, HR 120, RR 22.

Moulage: Simulated shrapnel wounds with embedded materials and bleeding.

EMT Level Treatment: Bleeding control with bandages, shock management.

Paramedic Level Treatment: Pain management, IV fluids, and thorough assessment for hidden injuries.

Patient 5: 40-year-old male

Injury Description: Fractured arm and head injury from falling during the incident.

Triage Color: Green

Current Presentation: Dazed, complaining of arm pain and headache.

Vitals: BP 130/85, HR 85, RR 18.

Moulage: Arm deformity and head wound simulation.

EMT Level Treatment: Splinting the arm, wound care for the head, and cervical spine precautions.

Paramedic Level Treatment: Neurological assessment, pain management, and possible concussion protocol.

Patient 6: 30-year-old female

Injury Description: Severe anxiety and hyperventilation, no physical injuries.

Triage Color: Red

Current Presentation: Extremely anxious, rapid breathing, feeling of numbness in hands and feet.

Vitals: BP 125/75, HR 110, RR 32.

Moulage: None required.

EMT Level Treatment: Calming presence, reassurance, helping to regulate breathing.

Paramedic Level Treatment: Assessment for underlying injuries, monitoring vitals, and possible sedation if necessary.

Patient 7: 60-year-old male

Injury Description: Gunshot wound to the lower leg, with bone visible.

Triage Color: Yellow

Current Presentation: In pain, bleeding controlled with a makeshift tourniquet.

Vitals: BP 135/85, HR 90, RR 20.

Moulage: Open fracture simulation with bleeding.

EMT Level Treatment: Proper application of a commercial tourniquet, wound care, shock prevention.

Paramedic Level Treatment: IV access, pain management, and wound assessment for vascular injury.

Patient 8: 22-year-old female

Injury Description: Traumatic amputation of the left hand from a gunshot.

Triage Color: Red

Current Presentation: In severe shock, bleeding profusely from the left arm.

Vitals: BP 70/40, HR 150, RR 26.

Moulage: Simulated amputation with profuse bleeding.

EMT Level Treatment: Immediate application of a tourniquet, treatment for shock, rapid transport.

Paramedic Level Treatment: IV fluids, pain management, careful handling to preserve amputated part for possible reattachment.

Chemical Plant Explosion: A chemical plant explosion has occurred, resulting in multiple casualties with burns, respiratory issues due to chemical inhalation, and blast injuries.

Patient 1: 38-year-old male

Injury Description: Chemical burns on arms and face, inhalation injury.

Triage Color: Yellow

Current Presentation: Difficulty breathing, coughing, burns evident on exposed skin.

Vitals: BP 110/70, HR 120, RR 28, SpO2 92%.

Moulage: Simulated chemical burns on the face and arms.

EMT Level Treatment: Irrigation of burns with water, oxygen administration, assessment for airway compromise.

Paramedic Level Treatment: Advanced airway management if necessary, IV fluids, pain management, and careful monitoring for respiratory distress.

Patient 2: 27-year-old female

Injury Description: Traumatic amputation of the lower leg due to explosion.

Triage Color: Red

Current Presentation: Severe bleeding, shock symptoms, extreme pain.

Vitals: BP 85/50, HR 140, RR 30.

Moulage: Simulated traumatic amputation with profuse bleeding.

EMT Level Treatment: Immediate application of a tourniquet, treatment for shock.

Paramedic Level Treatment: IV access, fluid resuscitation, pain management, and rapid transport.

Patient 3: 50-year-old male

Injury Description: Blunt trauma to the chest, suspected rib fractures.

Triage Color: Yellow

Current Presentation: Shortness of breath, bruising on chest, pain on palpation.

Vitals: BP 135/85, HR 100, RR 24, SpO2 94%.

Moulage: Chest bruising simulation.

EMT Level Treatment: Oxygen administration, stabilization of the chest wall, and monitoring for signs of pneumothorax.

Paramedic Level Treatment: Pain management, potential needle decompression if tension pneumothorax is suspected.

Patient 4: 33-year-old female

Injury Description: Exposure to toxic fumes, no visible injuries.

Triage Color: Yellow

Current Presentation: Watery eyes, coughing, difficulty breathing.

Vitals: BP 120/80, HR 110, RR 26, SpO2 95%.

Moulage: None required.

EMT Level Treatment: Removal from the exposure area, oxygen administration, monitoring for respiratory distress.

Paramedic Level Treatment: Advanced airway support if necessary, IV access, and continuous monitoring for respiratory complications.

Patient 5: 42-year-old male

Injury Description: Second-degree burns on the back and arms, blast injury.

Triage Color: Yellow

Current Presentation: In severe pain, blistering and redness on the back and arms.

Vitals: BP 100/60, HR 120, RR 22.

Moulage: Simulated burns with blistering and redness.

EMT Level Treatment: Covering burns with sterile dressings, pain assessment, and shock prevention.

Paramedic Level Treatment: IV fluid administration, pain management, and assessment for other blast-related injuries.

Patient 6: 24-year-old female

Injury Description: Concussion and lacerations from flying debris.

Triage Color: Yellow

Current Presentation: Confused, bleeding from head wound, headache.

Vitals: BP 130/90, HR 85, RR 18.

Moulage: Head laceration with fake blood.

EMT Level Treatment: Bleeding control, cervical spine precautions, and monitoring for signs of increased intracranial pressure.

Paramedic Level Treatment: Neurological assessment, pain management, and possible transport for head injury evaluation.

Patient 7: 29-year-old male

Injury Description: Multiple small shrapnel wounds and anxiety.

Triage Color: Green

Current Presentation: Anxious, multiple bleeding points, in pain.

Vitals: BP 115/75, HR 110, RR 20.

Moulage: Small puncture wounds with simulated shrapnel.

EMT Level Treatment: Wound cleaning and dressing, reassurance, and monitoring for shock.

Paramedic Level Treatment: Pain management, tetanus prophylaxis consideration, and thorough assessment for internal injuries.

Patient 8: 56-year-old male

Injury Description: Chemical burns to the eyes and facial area.

Triage Color: Green

Current Presentation: Visual disturbance, severe pain in the eyes, redness and swelling on the face.

Vitals: BP 125/80, HR 90, RR 22.

Moulage: Simulated chemical burns around the eyes and face.

EMT Level Treatment: Continuous irrigation of the eyes, covering with moist sterile dressings, pain assessment.

Paramedic Level Treatment: IV pain medication, possible sedation, and preparation for urgent ophthalmology evaluation.

Earthquake Aftermath: Simulate a moderate earthquake that has caused the collapse of a residential building. Multiple casualties are trapped under debris, with varying degrees of injuries, including fractures, head injuries, and shock.

Patient 1: 30-year-old male

Injury Description: Crush injury to the lower legs.

Triage Color: Yellow

Current Presentation: Conscious, in severe pain, legs trapped under debris.

Vitals: BP 120/80, HR 110, RR 22.

Moulage: Simulated crushed lower legs.

EMT Level Treatment: Stabilization of the patient, pain assessment, preventing further harm.

Paramedic Level Treatment: IV pain medication, careful monitoring for crush syndrome, and coordination with extrication team.

Patient 2: 45-year-old female

Injury Description: Closed head injury with laceration on the forehead.

Triage Color: Yellow

Current Presentation: Dazed, confused, bleeding from the head.

Vitals: BP 130/90, HR 95, RR 18.

Moulage: Head wound with fake blood.

EMT Level Treatment: Bleeding control, cervical spine stabilization, frequent neurological checks.

Paramedic Level Treatment: Advanced airway management if needed, IV fluids, and rapid transport for potential traumatic brain injury.

Patient 3: 55-year-old male

Injury Description: Suspected spinal injury, no visible external wounds.

Triage Color: Yellow

Current Presentation: Immobilized, complaining of numbness in legs, alert.

Vitals: BP 115/75, HR 80, RR 20.

Moulage: None required.

EMT Level Treatment: Cervical spine immobilization, backboard, and careful monitoring for neurological signs.

Paramedic Level Treatment: IV access, detailed neurological assessment, and transport with spinal precautions.

Patient 4: 8-year-old female

Injury Description: Fractured arm and facial bruises.

Triage Color: Green

Current Presentation: Crying, visible deformity in right arm, minor facial injuries.

Vitals: BP 100/65, HR 130, RR 24.

Moulage: Makeup for facial bruises and a fake cast for the arm.

EMT Level Treatment: Splinting the arm, comforting the child, head-to-toe assessment.

Paramedic Level Treatment: Pain management, IV access, and considering pediatric-specific trauma protocols for transport.

Patient 5: 70-year-old male

Injury Description: Shortness of breath and chest pain, suspected rib fractures.

Triage Color: Red

Current Presentation: Breathing with difficulty, pain on palpation of the chest.

Vitals: BP 145/90, HR 100, RR 32.

Moulage: None required.

EMT Level Treatment: Oxygen administration, stabilization of the chest wall, and monitoring for signs of pneumothorax.

Paramedic Level Treatment: Pain management, possible use of CPAP, IV fluids, and monitoring for complications.

Patient 6: 16-year-old male

Injury Description: Lacerations and suspected internal injuries from being struck by debris.

Triage Color: Red

Current Presentation: In shock, multiple bleeding sites, abdominal tenderness.

Vitals: BP 90/60, HR 120, RR 24.

Moulage: Multiple lacerations with fake blood.

EMT Level Treatment: Bleeding control, shock management, and rapid transport preparation.

Paramedic Level Treatment: IV access, fluid resuscitation, abdominal assessment, and pain management.

Patient 7: 22-year-old female

Injury Description: Ankle fracture and minor cuts.

Triage Color: Yellow

Current Presentation: Unable to walk, in pain, minor bleeding from cuts.

Vitals: BP 120/80, HR 85, RR 18.

Moulage: Simulated ankle deformity and minor lacerations.

EMT Level Treatment: Splinting the ankle, wound care, and pain assessment.

Paramedic Level Treatment: Pain management, wound cleaning and dressing, and consideration for tetanus vaccination.

Patient 8: 36-year-old male

Injury Description: Impalement by a piece of rebar in the abdomen.

Triage Color: Red

Current Presentation: Conscious, severe pain, impaled object in situ.

Vitals: BP 88/50, HR 110, RR 24.

Moulage: Simulated impalement in the abdomen with fake rebar and blood.

EMT Level Treatment: Stabilization of the impaled object, bleeding control, shock prevention.

Paramedic Level Treatment: IV access, fluid resuscitation, pain management, and rapid transport with careful handling to prevent movement of the impaled object.

Concert Stampede: A panic-induced stampede at a large outdoor concert, leading to numerous trampling injuries, asphyxiation risks, and potential cardiac emergencies.

Patient 1: 19-year-old female

Injury Description: Multiple trample injuries, including abdominal and chest compression.

Triage Color: Red

Current Presentation: Difficulty breathing, severe pain in the chest and abdomen.

Vitals: BP 90/60, HR 130, RR 30, SpO2 92%.

Moulage: Simulated bruises and abrasions on the chest and abdomen.

EMT Level Treatment: High-flow oxygen, stabilization of the chest and abdomen, monitoring for internal injuries.

Paramedic Level Treatment: IV access, pain management, careful monitoring for signs of internal bleeding or pneumothorax.

Patient 2: 25-year-old male

Injury Description: Fractured left leg with visible deformity.

Triage Color: Yellow

Current Presentation: Severe pain, inability to bear weight on the leg.

Vitals: BP 120/80, HR 90, RR 18.

Moulage: Simulated open fracture on the left leg.

EMT Level Treatment: Immobilization of the leg, pain assessment, shock prevention.

Paramedic Level Treatment: Splinting, pain management with IV analgesics, preparation for transport.

Patient 3: 33-year-old female

Injury Description: Asphyxiation due to crowd pressure, now conscious but disoriented.

Triage Color: Yellow

Current Presentation: Confused, difficulty breathing, coughing.

Vitals: BP 110/70, HR 110, RR 26, SpO2 94%.

Moulage: None required.

EMT Level Treatment: Oxygen administration, reassessment of breathing and airway.

Paramedic Level Treatment: Advanced airway management if necessary, continuous monitoring, and possible sedation.

Patient 4: 40-year-old male

Injury Description: Cardiac arrest, suspected to be due to the stress and exertion of the stampede.

Triage Color: Black / Blue

Current Presentation: Unresponsive, pulseless, not breathing.

Vitals: No pulse, not breathing.

Moulage: None required.

EMT Level Treatment: Immediate CPR, automated external defibrillator (AED) deployment.

Paramedic Level Treatment: Advanced cardiac life support (ACLS), including defibrillation, IV access, and administration of cardiac medications.

Patient 5: 17-year-old male

Injury Description: Head injury with laceration and suspected concussion.

Triage Color: Green

Current Presentation: Headache, dizziness, laceration on the forehead.

Vitals: BP 130/85, HR 75, RR 16.

Moulage: Simulated head wound with fake blood.

EMT Level Treatment: Wound care, cervical spine stabilization, monitoring for signs of increased intracranial pressure.

Paramedic Level Treatment: Neurological assessment, wound closure if required, and consideration for head CT at the hospital.

Patient 6: 22-year-old female

Injury Description: Severe anxiety and hyperventilation, no physical injuries.

Triage Color: Red

Current Presentation: Extremely anxious, rapid breathing, tingling in hands and feet.

Vitals: BP 125/80, HR 110, RR 32.

Moulage: None required.

EMT Level Treatment: Calming presence, reassurance, helping to regulate breathing.

Paramedic Level Treatment: Assessment for underlying injuries, monitoring vitals, and possible anxiolytic medication if necessary.

Patient 7: 58-year-old male

Injury Description: Crush injuries to the pelvis and lower extremities.

Triage Color: Red

Current Presentation: Severe pain in the pelvic region, unable to move lower limbs.

Vitals: BP 82/50, HR 120, RR 24.

Moulage: Simulated bruising and swelling in the pelvic area.

EMT Level Treatment: Immobilization, pain assessment, and shock management.

Paramedic Level Treatment: Pelvic binder, IV access, pain management, and careful monitoring for internal bleeding.

Patient 8: 29-year-old female

Injury Description: Multiple abrasions and contusions, mild dehydration.

Triage Color: Green

Current Presentation: Minor bleeding from abrasions, complaining of thirst and dizziness.

Vitals: BP 115/75, HR 100, RR 20.

Moulage: Simulated scrapes and bruises.

EMT Level Treatment: Cleaning and dressing wounds, fluid replacement orally if conscious and alert.

Paramedic Level Treatment: IV fluid administration if necessary, thorough assessment for more serious underlying conditions

Terrorist Subway Attack: A simulated terrorist attack in a subway system, with an explosion causing shrapnel injuries, burns, and traumatic amputations. The scenario includes challenges in accessing the scene and managing mass panic.

Patient 1: 43-year-old male

Injury Description: Shrapnel injuries to the abdomen and chest.

Triage Color: Red

Current Presentation: Conscious but in severe pain, bleeding heavily.

Vitals: BP 90/60, HR 130, RR 28, SpO2 92%.

Moulage: Simulated shrapnel wounds with embedded materials and bleeding.

EMT Level Treatment: Bleeding control with pressure dressings, shock management.

Paramedic Level Treatment: IV fluids, pain management, rapid transport, and monitoring for signs of internal injury.

Patient 2: 28-year-old female

Injury Description: Burn injuries to the face and arms.

Triage Color: Green

Current Presentation: Painful burns, swelling, and blistering on exposed skin.

Vitals: BP 115/75, HR 100, RR 22.

Moulage: Simulated second-degree burns on the face and arms.

EMT Level Treatment: Cooling of burns, covering with sterile dressings, pain assessment. Paramedic

Level Treatment: IV pain medication, fluid resuscitation, careful monitoring for airway involvement.

Patient 3: 35-year-old male

Injury Description: Traumatic amputation of the right leg below the knee.

Triage Color: Red

Current Presentation: In shock, severe bleeding from the leg.

Vitals: BP 80/50, HR 140, RR 30.

Moulage: Simulated traumatic amputation with profuse bleeding.

EMT Level Treatment: Application of a tourniquet, treatment for shock.

Paramedic Level Treatment: IV fluids, pain management, and rapid transport with careful handling.

Patient 4: 22-year-old female

Injury Description: Multiple lacerations and possible concussion from blast.

Triage Color: Green

Current Presentation: Confused, bleeding from head and face wounds.

Vitals: BP 130/85, HR 90, RR 20.

Moulage: Head lacerations with simulated blood and debris.

EMT Level Treatment: Bleeding control, cervical spine precautions, monitoring for signs of increased intracranial pressure.

Paramedic Level Treatment: Advanced airway management if needed, neurological assessment, and preparation for rapid transport.

Patient 5: 50-year-old male

Injury Description: Chest trauma with suspected rib fractures and pneumothorax.

Triage Color: Yellow

Current Presentation: Difficulty breathing, chest pain, asymmetrical chest movement.

Vitals: BP 120/80, HR 110, RR 26, SpO2 90%.

Moulage: None required for pneumothorax simulation.

EMT Level Treatment: Oxygen administration, stabilization of the chest wall, monitoring for signs of tension pneumothorax.

Paramedic Level Treatment: Needle decompression if indicated, pain management, IV access, and continuous monitoring.

Patient 6: 17-year-old female

Injury Description: Anxiety and hyperventilation, minor physical injuries.

Triage Color: Red

Current Presentation: Panicked, rapid breathing, tingling in hands and feet.

Vitals: BP 125/80, HR 110, RR 32.

Moulage: Minor scrapes or bruises.

EMT Level Treatment: Calming presence, reassurance, helping to regulate breathing.

Paramedic Level Treatment: Assessment for underlying injuries, monitoring vitals, and possible anxiolytic medication if necessary.

Patient 7: 60-year-old male

Injury Description: Hearing loss and disorientation, possibly due to blast wave.

Triage Color: Green

Current Presentation: Disoriented, difficulty hearing, no visible injuries.

Vitals: BP 135/85, HR 85, RR 18.

Moulage: None required.

EMT Level Treatment: Reassurance, monitoring for signs of traumatic brain injury or other internal injuries.

Paramedic Level Treatment: Detailed neurological assessment, IV access, and consideration for transport to a specialized center.

Patient 8: 32-year-old female

Injury Description: Shrapnel wounds to the back and possible spinal injury.

Triage Color: Yellow

Current Presentation: Lying prone, unable to move legs, bleeding from back wounds.

Vitals: BP 110/70, HR 100, RR 24.

Moulage: Simulated shrapnel wounds on the back.

EMT Level Treatment: Spinal immobilization, bleeding control, shock prevention.

Paramedic Level Treatment: Pain management, IV fluids, careful handling and transport with spinal precautions.

Severe Weather Festival Incident: A severe thunderstorm strikes an outdoor festival, causing a stage collapse and lightning strike injuries. The scenario includes handling crush injuries, electrical burns, and cardiac arrest.

Patient 1: 24-year-old male

Injury Description: Crush injuries from stage collapse, including chest and abdominal trauma.

Triage Color: Red

Current Presentation: Difficulty breathing, severe pain in the chest and abdomen, signs of shock.

Vitals: BP 85/55, HR 130, RR 30, SpO2 91%.

Moulage: Simulated bruises and abrasions on the chest and abdomen.

EMT Level Treatment: High-flow oxygen, stabilization of the chest and abdomen, shock management.

Paramedic Level Treatment: IV fluids, pain management, rapid transport, and monitoring for internal injuries.

Patient 2: 35-year-old female

Injury Description: Lightning strike victim with entry and exit burn wounds.

Triage Color: Green

Current Presentation: Confused, weak, burn marks on the body.

Vitals: BP 120/80, HR 90, RR 22, irregular heartbeat.

Moulage: Simulated electrical burns (entry and exit wounds).

EMT Level Treatment: Treatment of burns, cardiac monitoring, and prevention of hypothermia.

Paramedic Level Treatment: Electrocardiogram (ECG), IV access, pain management, and preparation for immediate transport.

Patient 3: 29-year-old male

Injury Description: Cardiac arrest, presumed due to lightning strike.

Triage Color: Black / Blue

Current Presentation: Unresponsive, pulseless, not breathing.

Vitals: No pulse, not breathing.

Moulage: None required.

EMT Level Treatment: Immediate CPR, automated external defibrillator (AED) use.

Paramedic Level Treatment: Advanced Cardiac Life Support (ACLS), defibrillation, IV access, and administration of cardiac medications.

Patient 4: 19-year-old female

Injury Description: Fractured leg with visible deformity from being struck by debris.

Triage Color: Yellow

Current Presentation: In severe pain, swelling, and inability to move the leg.

Vitals: BP 110/70, HR 110, RR 20.

Moulage: Simulated open fracture on the leg.

EMT Level Treatment: Immobilization of the leg, pain assessment, shock management.

Paramedic Level Treatment: Splinting, pain management with IV analgesics, and transport.

Patient 5: 42-year-old male

Injury Description: Head injury and lacerations from flying debris.

Triage Color: Yellow

Current Presentation: Dizziness, headache, bleeding from head wounds.

Vitals: BP 130/90, HR 85, RR 18.

Moulage: Head lacerations with simulated blood.

EMT Level Treatment: Bleeding control, cervical spine stabilization, monitoring for signs of increased intracranial pressure.

Paramedic Level Treatment: Neurological assessment, advanced airway management if needed, and preparation for rapid transport.

Patient 6: 50-year-old female

Injury Description: Anxiety and hyperventilation, minor physical injuries.

Triage Color: Red

Current Presentation: Extremely anxious, rapid breathing, tingling in hands and feet.

Vitals: BP 130/85, HR 110, RR 30.

Moulage: Minor scrapes or bruises.

EMT Level Treatment: Calming presence, reassurance, helping to regulate breathing.

Paramedic Level Treatment: Assessment for underlying injuries, monitoring vitals, and possible administration of anxiolytic medication.

Patient 7: 31-year-old male

Injury Description: Electrical burn from direct contact with exposed wiring.

Triage Color: Green

Current Presentation: Severe pain at the burn site, confusion, muscle twitching.

Vitals: BP 100/70, HR 100, RR 24.

Moulage: Simulated deep electrical burn.

EMT Level Treatment: Careful handling of the burn area, preventing hypothermia, pain assessment.

Paramedic Level Treatment: IV fluids, pain management, cardiac monitoring, and rapid transport for specialized burn treatment.

Patient 8: 16-year-old female

Injury Description: Panic attack and asthma exacerbation due to the chaotic environment.

Triage Color: Red

Current Presentation: Difficulty breathing, wheezing, severe panic.

Vitals: BP 115/75, HR 120, RR 32, SpO2 92%.

Moulage: None required.

EMT Level Treatment: Assistance with asthma medication (if patient has their own), reassurance, and monitoring of breathing.

Paramedic Level Treatment: Administration of nebulized bronchodilators, IV access if needed, continuous monitoring.

Train Derailment in a Rural Area: A passenger train derails in a remote area. Multiple casualties with a mix of severe and minor injuries, complicated by the challenge of accessing the remote site.

Patient 1: 49-year-old male

Injury Description: Severe head trauma with a possible skull fracture.

Triage Color: Red

Current Presentation: Unconscious, bleeding from the head wound.

Vitals: BP 90/60, HR 120, irregular breathing.

Moulage: Simulated head wound with fake blood.

EMT Level Treatment: Cervical spine stabilization, bleeding control, airway management. Paramedic

Level Treatment: Advanced airway management, IV access, fluid resuscitation, rapid transport for neurosurgical evaluation.

Patient 2: 34-year-old female

Injury Description: Fractured femur with visible deformity.

Triage Color: Yellow

Current Presentation: Severe pain, swelling, unable to move the leg.

Vitals: BP 110/70, HR 100, RR 20.

Moulage: Simulated deformity and bruising on the leg.

EMT Level Treatment: Immobilization of the leg, pain assessment, shock management.

Paramedic Level Treatment: Splinting, IV analgesia, preparation for transport.

Patient 3: 55-year-old female

Injury Description: Chest pain, suspected myocardial infarction.

Triage Color: Red

Current Presentation: Clutching chest, shortness of breath, sweating.

Vitals: BP 160/90, HR 110, RR 32.

Moulage: None required.

EMT Level Treatment: Oxygen administration, positioning for comfort, preparation for rapid transport.

Paramedic Level Treatment: ECG, administration of aspirin and nitroglycerin, IV access, continuous cardiac monitoring.

Patient 4: 22-year-old male

Injury Description: Multiple lacerations and blunt abdominal trauma.

Triage Color: Green

Current Presentation: Alert, abdominal pain, bleeding from lacerations.

Vitals: BP 120/80, HR 90, RR 22.

Moulage: Simulated lacerations with fake blood.

EMT Level Treatment: Bleeding control, abdominal assessment, shock monitoring.

Paramedic Level Treatment: IV fluids, pain management, rapid transport for potential surgical intervention.

Patient 5: 60-year-old male

Injury Description: Compound fracture of the right arm.

Triage Color: Green

Current Presentation: In severe pain, bleeding, visible bone protrusion.

Vitals: BP 130/85, HR 95, RR 20.

Moulage: Simulated compound fracture with fake bone and blood.

EMT Level Treatment: Bleeding control, immobilization of the arm, pain assessment.

Paramedic Level Treatment: Splinting, IV pain medication, tetanus prophylaxis, and transport.

Patient 6: 16-year-old female

Injury Description: Panic attack with hyperventilation, minor bruises.

Triage Color: Green

Current Presentation: Rapid breathing, feeling of faintness, visibly distressed.

Vitals: BP 120/80, HR 110, RR 28.

Moulage: Minor bruising simulation.

EMT Level Treatment: Reassurance, assistance with controlled breathing, monitoring for injuries.

Paramedic Level Treatment: Evaluation for physical injuries, possible anxiolytic medication, monitoring vitals.

Patient 7: 40-year-old male

Injury Description: Pelvic injury with possible internal bleeding.

Triage Color: Red

Current Presentation: Severe pelvic pain, shock symptoms.

Vitals: BP 85/50, HR 130, RR 24.

Moulage: Bruising around the pelvic area.

EMT Level Treatment: Minimization of movement, shock management, preparation for rapid evacuation.

Paramedic Level Treatment: IV access, fluid resuscitation, pelvic stabilization, and careful monitoring for worsening of condition.

Patient 8: 30-year-old female

Injury Description: Electrical burn from contact with damaged train wiring.

Triage Color: Green

Current Presentation: Burn injuries on hands and forearm, pain, confusion.

Vitals: BP 110/70, HR 100, RR 22.

Moulage: Simulated electrical burns on hands and forearms.

EMT Level Treatment: Care of burns, prevention of hypothermia, assessment for further injuries.

Paramedic Level Treatment: Pain management, IV fluids, cardiac monitoring, and transport to a burn center.

Commercial Airline Crash at Airport: A commercial airplane crashes during landing at an airport. The incident involves fire, severe trauma, and a large number of casualties, both on the plane and on the ground.

Patient 1: 54-year-old male

Injury Description: Severe burns from the fire and inhalation injury.

Triage Color: Red

Current Presentation: Difficulty breathing, burns on face and arms, coughing soot.

Vitals: BP 100/70, HR 130, RR 32, SpO2 89%.

Moulage: Simulated burns on face and arms, makeup for soot around mouth and nose.

EMT Level Treatment: Oxygen administration, burn care, monitoring for airway compromise.

Paramedic Level Treatment: Advanced airway management if needed, IV fluids, pain management, transport to a burn center.

Patient 2: 27-year-old female

Injury Description: Traumatic amputation of the lower leg.

Triage Color: Red

Current Presentation: In shock, severe bleeding from the leg.

Vitals: BP 85/50, HR 145, RR 30.

Moulage: Simulated traumatic amputation with profuse bleeding.

EMT Level Treatment: Application of a tourniquet, shock management.

Paramedic Level Treatment: IV fluids, pain management, rapid transport, and preparation for surgery.

Patient 3: 35-year-old male

Injury Description: Head trauma with a possible skull fracture and concussion.

Triage Color: Red

Current Presentation: Semi-conscious, bleeding from a head wound, disoriented.

Vitals: BP 90/60, HR 110, irregular breathing.

Moulage: Simulated head wound with fake blood.

EMT Level Treatment: Cervical spine stabilization, bleeding control, airway management. Paramedic

Level Treatment: Advanced airway management, IV access, neurological assessment, rapid transport for imaging.

Patient 4: 45-year-old female

Injury Description: Multiple rib fractures and suspected pneumothorax.

Triage Color: Yellow

Current Presentation: Sharp chest pain, difficulty breathing, asymmetrical chest movement.

Vitals: BP 120/80, HR 110, RR 26, SpO2 90%.

Moulage: None required for pneumothorax simulation.

EMT Level Treatment: Oxygen administration, stabilization of the chest wall, monitoring for signs of tension pneumothorax.

Paramedic Level Treatment: Needle decompression if indicated, pain management, IV access, and transport for chest imaging.

Patient 5: 60-year-old male

Injury Description: Fractured pelvis with possible internal bleeding.

Triage Color: Red

Current Presentation: Severe pelvic pain, unable to move lower extremities, signs of shock. Vitals: BP 85/55, HR 120, RR 24.

Moulage: Bruising around the pelvic area.

EMT Level Treatment: Immobilization, shock management, minimal movement.

Paramedic Level Treatment: IV fluids, pain management, pelvic stabilization, and rapid transport for imaging and surgery.

Patient 6: 16-year-old female

Injury Description: Lacerations and contusions from flying debris, acute stress reaction.

Triage Color: Green

Current Presentation: Bleeding from cuts, crying, visibly shaken.

Vitals: BP 110/70, HR 100, RR 20.

Moulage: Simulated lacerations and bruises.

EMT Level Treatment: Wound care, calming reassurance, monitoring for shock.

Paramedic Level Treatment: Assessment for underlying injuries, possible anxiolytics, and tetanus prophylaxis.

Patient 7: 32-year-old male

Injury Description: Blunt abdominal trauma with internal injury suspicion.

Triage Color: Green

Current Presentation: Abdominal pain, guarding the abdomen, nausea.

Vitals: BP 100/70, HR 110, RR 24.

Moulage: Simulated abdominal distension and bruising.

EMT Level Treatment: Careful monitoring, positioning for comfort, preparation for rapid transport.

Paramedic Level Treatment: IV fluids, pain management, rapid transport for surgical evaluation.

Patient 8: 50-year-old female

Injury Description: Exacerbation of chronic obstructive pulmonary disease (COPD), minor burns.

Triage Color: Red

Current Presentation: Wheezing, difficulty breathing, coughing.

Vitals: BP 135/85, HR 90, RR 32, SpO2 88%.

Moulage: Simulated minor burns on hands and face.

EMT Level Treatment: Oxygen administration, assistance with inhaler if patient has one.

Paramedic Level Treatment: Nebulized bronchodilators, corticosteroids, monitoring for respiratory failure, and consideration for advanced airway management.

Building Fire in a Dense Urban Area: A fire breaks out in a high-rise residential building in a dense urban area. The scenario includes dealing with burn injuries, smoke inhalation, and the difficulty of evacuating casualties from higher floors.

Patient 1: 26-year-old male

Injury Description: Severe smoke inhalation, minor burns on hands and face.

Triage Color: Red

Current Presentation: Difficulty breathing, coughing, hoarse voice, soot around mouth and nose.

Vitals: BP 120/80, HR 110, RR 30, SpO2 91%.

Moulage: Simulated soot on face and minor burn makeup.

EMT Level Treatment: High-flow oxygen, monitoring for airway swelling and distress.

Paramedic Level Treatment: Advanced airway management if necessary, IV fluids, possible bronchodilators, and rapid transport.

Patient 2: 34-year-old female

Injury Description: Second-degree burns on arms and back.

Triage Color: Green

Current Presentation: Severe pain, red and blistered skin.

Vitals: BP 110/70, HR 100, RR 22.

Moulage: Simulated second-degree burns with blistering.

EMT Level Treatment: Cooling of burns, covering with sterile dressings, pain assessment.

Paramedic Level Treatment: IV pain medication, fluid resuscitation, and transport to a burn center.

Patient 3: 55-year-old male

Injury Description: Traumatic injury from a fall while evacuating, suspected spinal injury.

Triage Color: Yellow

Current Presentation: Back pain, inability to move legs, alert but anxious.

Vitals: BP 130/85, HR 85, RR 18.

Moulage: None required for spinal injury simulation.

EMT Level Treatment: Cervical spine immobilization, backboard, and neurological assessment.

Paramedic Level Treatment: IV access, detailed neurological assessment, pain management, and transport with spinal precautions.

Patient 4: 40-year-old female

Injury Description: Mild smoke inhalation, anxiety attack.

Triage Color: Red

Current Presentation: Shortness of breath, rapid breathing, chest tightness.

Vitals: BP 140/90, HR 120, RR 30.

Moulage: None required.

EMT Level Treatment: Oxygen administration, calming reassurance, monitoring for respiratory distress.

Paramedic Level Treatment: Assessment for underlying injuries, administration of anxiolytic medication if necessary, continuous monitoring.

Patient 5: 70-year-old male

Injury Description: Chest pain and difficulty breathing, history of COPD.

Triage Color: Red

Current Presentation: Wheezing, coughing, clutching chest.

Vitals: BP 160/100, HR 110, RR 32, SpO2 88%.

Moulage: None required.

EMT Level Treatment: Assisted ventilation, oxygen administration, careful positioning.

Paramedic Level Treatment: Nebulized bronchodilators, corticosteroids, IV access, ECG, and preparation for rapid transport.

Patient 6: 22-year-old female

Injury Description: Lacerations from broken glass and minor burns.

Triage Color: Green

Current Presentation: Bleeding from cuts on arms and face, minor burns on hands.

Vitals: BP 120/80, HR 90, RR 20.

Moulage: Simulated cuts with fake blood and minor burn makeup.

EMT Level Treatment: Bleeding control, burn care, shock monitoring.

Paramedic Level Treatment: Pain management, wound cleaning and dressing, tetanus prophylaxis, and IV access.

Patient 7: 8-year-old male

Injury Description: Smoke inhalation, frightened and disoriented.

Triage Color: Red

Current Presentation: Coughing, scared, difficulty breathing, crying.

Vitals: BP 100/65, HR 130, RR 30, SpO2 92%.

Moulage: Simulated soot around mouth and nose.

EMT Level Treatment: Oxygen administration, comforting the child, monitoring for respiratory distress.

Paramedic Level Treatment: Pediatric airway management, IV fluids if necessary, and careful monitoring for signs of airway compromise.

Patient 8: 48-year-old female

Injury Description: Fractured ankle from jumping out of the window, mild smoke inhalation.

Triage Color: Yellow

Current Presentation: Severe pain in the ankle, swelling, difficulty breathing.

Vitals: BP 125/80, HR 100, RR 24.

Moulage: Simulated ankle deformity and bruising.

EMT Level Treatment: Splinting the ankle, oxygen administration, pain assessment.

Paramedic Level Treatment: IV pain medication, assessment for other injuries due to the fall, and preparation for transport.

Flood and Water Rescue Incident: A severe flood hits a small town, causing houses and vehicles to be submerged. Rescue operations involve water rescue, hypothermia treatment, and dealing with injuries from debris in the water.

Patient 1: 43-year-old female

Injury Description: Hypothermia and near-drowning.

Triage Color: Red

Current Presentation: Unconscious, very cold to the touch, shallow breathing.

Vitals: BP 90/60, HR 55, RR 10, low body temperature.

Moulage: Pale, cold skin.

EMT Level Treatment: Warming techniques, oxygen administration, monitoring vital signs.

Paramedic Level Treatment: Advanced airway management, IV warm fluids, continuous monitoring, and rapid transport.

Patient 2: 30-year-old male

Injury Description: Laceration on leg from debris, potential fracture.

Triage Color: Green

Current Presentation: Bleeding from a deep cut on the leg, pain, able to move.

Vitals: BP 120/80, HR 90, RR 18.

Moulage: Simulated deep laceration with fake blood.

EMT Level Treatment: Bleeding control, splinting if a fracture is suspected.

Paramedic Level Treatment: IV access, pain management, wound care, tetanus prophylaxis.

Patient 3: 55-year-old male

Injury Description: Water inhalation, coughing, and respiratory distress.

Triage Color: Green

Current Presentation: Coughing, difficulty breathing, anxious.

Vitals: BP 130/85, HR 110, RR 24, SpO2 92%.

Moulage: None required.

EMT Level Treatment: Oxygen administration, positioning for comfort.

Paramedic Level Treatment: Continuous monitoring, possible nebulized bronchodilators, and preparation for rapid transport.

Patient 4: 70-year-old female

Injury Description: Chest pain and shortness of breath, history of heart disease.

Triage Color: Red

Current Presentation: Clutching chest, pale, sweating.

Vitals: BP 160/90, HR 120, RR 30.

Moulage: Pale skin with simulated sweat.

EMT Level Treatment: Oxygen administration, aspirin, and preparation for rapid transport. Paramedic

Level Treatment: ECG, IV access, nitroglycerin, and continuous cardiac monitoring.

Patient 5: 16-year-old male

Injury Description: Broken arm and abrasions from being struck by debris.

Triage Color: Green

Current Presentation: In pain, visible deformity of the arm, minor cuts.

Vitals: BP 110/70, HR 100, RR 20.

Moulage: Simulated arm deformity and abrasions.

EMT Level Treatment: Immobilization of the arm, wound care, pain assessment.

Paramedic Level Treatment: IV pain medication, splinting, and rapid transport.

Patient 6: 8-year-old female

Injury Description: Mild hypothermia, scared and crying.

Triage Color: Green

Current Presentation: Shivering, crying, clinging to a parent.

Vitals: BP 100/65, HR 110, RR 24.

Moulage: None required.

EMT Level Treatment: Warming techniques, comforting the child, monitoring vital signs.

Paramedic Level Treatment: Continued warming, reassessment for any injuries, possible glucose check.

Patient 7: 65-year-old male

Injury Description: Dislocated shoulder and cuts from falling.

Triage Color: Yellow

Current Presentation: Severe shoulder pain, limited mobility, bleeding from cuts.

Vitals: BP 140/90, HR 85, RR 18.

Moulage: Simulated dislocated shoulder and cuts.

EMT Level Treatment: Immobilization of the shoulder, wound care, pain assessment.

Paramedic Level Treatment: IV pain medication, careful transport, and shoulder stabilization.

Patient 8: 50-year-old female

Injury Description: Anxiety attack and mild dehydration.

Triage Color: Green

Current Presentation: Rapid breathing, feeling faint, complaining of thirst.

Vitals: BP 120/80, HR 100, RR 26.

Moulage: None required.

EMT Level Treatment: Calming reassurance, oral fluids if patient is able to drink.

Paramedic Level Treatment: Monitoring for other injuries, IV hydration if necessary, and possible anxiolytic medication.

Factory Fire and Hazardous Material Release: A fire breaks out in a factory that stores hazardous materials. This scenario involves managing burns, chemical exposure, respiratory distress, and coordinating with hazardous materials (HAZMAT) teams.

Patient 1: 40-year-old male

Injury Description: Chemical burns on hands and face, respiratory distress due to inhalation.

Triage Color: Red

Current Presentation: Difficulty breathing, visible burns, coughing.

Vitals: BP 110/70, HR 120, RR 30, SpO2 88%.

Moulage: Simulated chemical burns on hands and face.

EMT Level Treatment: Irrigation of burns, oxygen administration, monitoring for airway compromise.

Paramedic Level Treatment: Advanced airway management if necessary, IV fluids, pain management, coordination with HAZMAT for decontamination.

Patient 2: 30-year-old female

Injury Description: Exposure to toxic fumes, eye irritation, and blurred vision.

Triage Color: Yellow

Current Presentation: Complaining of vision problems, eye redness, and irritation.

Vitals: BP 120/80, HR 85, RR 18.

Moulage: Simulated eye redness.

EMT Level Treatment: Eye irrigation, monitoring for respiratory issues.

Paramedic Level Treatment: Continued eye care, assessment for systemic effects of exposure, transport for further medical evaluation.

Patient 3: 55-year-old male

Injury Description: Thermal burns from fire, partial thickness burns on torso.

Triage Color: Red

Current Presentation: Severe pain, blistered and reddened skin on torso.

Vitals: BP 90/60, HR 130, RR 24.

Moulage: Simulated partial thickness burns.

EMT Level Treatment: Covering burns with sterile dressings, shock management.

Paramedic Level Treatment: IV fluids, pain management, preparation for rapid transport to a burn center.

Patient 4: 26-year-old female

Injury Description: Mild respiratory distress from smoke inhalation, anxiety.

Triage Color: Green

Current Presentation: Coughing, shortness of breath, anxious.

Vitals: BP 130/85, HR 95, RR 20, SpO2 95%.

Moulage: None required.

EMT Level Treatment: Oxygen administration, reassurance, monitoring for worsening symptoms.

Paramedic Level Treatment: Continuous monitoring, assessment for further respiratory complications.

Patient 5: 48-year-old male

Injury Description: Fracture in the leg from falling debris, contusions.

Triage Color: Yellow

Current Presentation: Unable to bear weight on the leg, swelling, bruising.

Vitals: BP 120/80, HR 90, RR 18.

Moulage: Simulated swelling and bruising on the leg.

EMT Level Treatment: Immobilization of the leg, pain assessment.

Paramedic Level Treatment: Splinting, IV pain medication, evaluation for potential internal injuries.

Patient 6: 22-year-old male

Injury Description: Acute stress reaction, no physical injuries.

Triage Color: Green

Current Presentation: Hyperventilating, trembling, unable to respond coherently.

Vitals: BP 140/90, HR 110, RR 26.

Moulage: None required.

EMT Level Treatment: Calming reassurance, helping to regulate breathing.

Paramedic Level Treatment: Monitoring for physical injuries, possible anxiolytic medication, and transport for psychological evaluation.

Patient 7: 60-year-old female

Injury Description: Shock and respiratory distress, history of asthma.

Triage Color: Red

Current Presentation: Severe difficulty breathing, wheezing, cyanosis.

Vitals: BP 85/55, HR 120, RR 30, SpO2 85%.

Moulage: Simulated cyanosis (bluish skin tone) .

EMT Level Treatment: Assisted ventilation, oxygen administration.

Paramedic Level Treatment: Advanced airway management, nebulized bronchodilators, IV steroids, and rapid transport.

Patient 8: 35-year-old male

Injury Description: Chemical exposure with dermal irritation and potential systemic toxicity.

Triage Color: Green

Current Presentation: Skin redness and irritation, complaining of dizziness and nausea.

Vitals: BP 110/70, HR 100, RR 20.

Moulage: Simulated skin irritation and redness.

EMT Level Treatment: Decontamination if appropriate, skin care, monitoring for worsening condition.

Paramedic Level Treatment: IV access, symptomatic treatment, coordination with HAZMAT, and transport for further medical evaluation.

School Bus Accident on a Rural Road: A school bus carrying children crashes on a rural road. The scenario includes pediatric trauma, psychological impact on children, and dealing with multiple minor and severe injuries.

Patient 1: 10-year-old female

Injury Description: Fractured femur with visible deformity.

Triage Color: Yellow

Current Presentation: Severe pain, swelling, inability to move the leg.

Vitals: BP 100/70, HR 120, RR 22.

Moulage: Simulated deformity and bruising on the leg.

EMT Level Treatment: Immobilization of the leg, pain assessment, shock management.

Paramedic Level Treatment: Splinting, IV pain medication, preparation for rapid transport.

Patient 2: 8-year-old male

Injury Description: Concussion, vomiting, dizziness.

Triage Color: Yellow

Current Presentation: Confusion, headache, vomiting.

Vitals: BP 110/70, HR 90, RR 20.

Moulage: None required for concussion.

EMT Level Treatment: Cervical spine stabilization, monitoring for signs of increased intracranial pressure.

Paramedic Level Treatment: IV fluids, antiemetic medication, transport for imaging and further evaluation.

Patient 3: 15-year-old male

Injury Description: Multiple lacerations and abrasions, shock.

Triage Color: Red

Current Presentation: Bleeding from multiple wounds, pale, cold skin.

Vitals: BP 82/60, HR 130, RR 24.

Moulage: Simulated lacerations with fake blood.

EMT Level Treatment: Bleeding control, shock management.

Paramedic Level Treatment: IV fluids, wound care, pain management, rapid transport.

Patient 4: 12-year-old female

Injury Description: Mild asthma attack triggered by stress, no physical injuries.

Triage Color: Green

Current Presentation: Shortness of breath, wheezing, anxiety.

Vitals: BP 120/80, HR 100, RR 26.

Moulage: None required.

EMT Level Treatment: Assisting with inhaler usage, calming reassurance.

Paramedic Level Treatment: Monitoring for respiratory distress, administration of nebulized bronchodilators if necessary.

Patient 5: 6-year-old male

Injury Description: Minor cuts and bruises, emotionally distressed.

Triage Color: Green

Current Presentation: Crying, minor bleeding from cuts, visibly scared.

Vitals: BP 100/65, HR 110, RR 22.

Moulage: Simulated minor cuts and bruises.

EMT Level Treatment: Wound care, comforting the child, monitoring for shock.

Paramedic Level Treatment: Further assessment for underlying injuries, possible glucose check due to age and stress.

Patient 6: 9-year-old female

Injury Description: Suspected spinal injury, no visible external wounds.

Triage Color: Yellow

Current Presentation: Back pain, numbness in legs, immobilized.

Vitals: BP 120/80, HR 85, RR 18.

Moulage: None required for spinal injury.

EMT Level Treatment: Cervical spine immobilization, backboard, neurological assessment.

Paramedic Level Treatment: IV access, detailed neurological assessment, transport with spinal precautions.

Patient 7: 14-year-old male

Injury Description: Broken arm and facial abrasions.

Triage Color: Green

Current Presentation: Arm pain, visible deformity, minor bleeding from facial cuts.

Vitals: BP 110/70, HR 100, RR 20.

Moulage: Simulated broken arm and facial abrasions.

EMT Level Treatment: Immobilization of the arm, wound care, pain assessment.

Paramedic Level Treatment: Splinting, IV pain medication, wound cleaning, and tetanus prophylaxis.

Patient 8: 11-year-old female

Injury Description: Shock and minor trauma from being thrown against bus seats.

Triage Color: Red

Current Presentation: Dizzy, disoriented, mild abdominal pain.

Vitals: BP 100/70, HR 110, RR 22.

Moulage: Simulated bruising on abdomen.

EMT Level Treatment: Monitoring for signs of internal bleeding, reassurance, pain assessment.

Paramedic Level Treatment: IV fluids, careful monitoring for abdominal trauma, preparation for transport.

Tornado Impact on a Residential Area: A tornado strikes a residential area, causing house collapses and flying debris injuries. This scenario involves triage, impalement injuries, and managing victims trapped under rubble.

Patient 1: 47-year-old male

Injury Description: Impalement injury from debris in the abdomen.

Triage Color: Red

Current Presentation: Conscious, severe pain, impaled object in situ.

Vitals: BP 90/60, HR 120, RR 24.

Moulage: Simulated impalement with fake debris and blood.

EMT Level Treatment: Stabilization of the impaled object, bleeding control, shock prevention.

Paramedic Level Treatment: IV fluids, pain management, careful handling and transport with the object in place.

Patient 2: 30-year-old female

Injury Description: Head trauma with suspected concussion, laceration on the forehead.

Triage Color: Yellow

Current Presentation: Dazed, bleeding from head wound, headache.

Vitals: BP 120/80, HR 85, RR 18.

Moulage: Simulated head wound with fake blood.

EMT Level Treatment: Bleeding control, cervical spine precautions, monitoring for neurological changes.

Paramedic Level Treatment: Advanced airway management if needed, IV fluids, and transport for imaging.

Patient 3: 55-year-old female

Injury Description: Fractured left leg with visible deformity.

Triage Color: Yellow

Current Presentation: Unable to bear weight, severe pain, swelling.

Vitals: BP 130/85, HR 90, RR 20.

Moulage: Simulated leg deformity.

EMT Level Treatment: Immobilization of the leg, pain assessment, shock management.

Paramedic Level Treatment: Splinting, IV pain medication, and preparation for transport.

Patient 4: 8-year-old male

Injury Description: Multiple abrasions and contusions, scared and crying.

Triage Color: Green

Current Presentation: Minor bleeding from abrasions, visibly upset.

Vitals: BP 100/65, HR 110, RR 22.

Moulage: Simulated scrapes and bruises.

EMT Level Treatment: Wound care, comforting the child, monitoring for shock.

Paramedic Level Treatment: Further assessment for hidden injuries, calming reassurance, and possible glucose check.

Patient 5: 40-year-old male

Injury Description: Crush injuries from being trapped under debris, difficulty breathing.

Triage Color: Red

Current Presentation: Shortness of breath, pain in chest and abdomen.

Vitals: BP 85/55, HR 130, RR 30, SpO2 89%.

Moulage: None required for internal injuries.

EMT Level Treatment: High-flow oxygen, stabilization of the chest, preparation for rapid extraction.

Paramedic Level Treatment: IV fluids, pain management, continuous monitoring, and coordination with extrication teams.

Patient 6: 22-year-old female

Injury Description: Anxiety attack, minor physical injuries.

Triage Color: Green

Current Presentation: Rapid breathing, feeling of faintness, minor cuts.

Vitals: BP 120/80, HR 100, RR 26.

Moulage: Minor lacerations.

EMT Level Treatment: Calming presence, reassurance, helping to regulate breathing.

Paramedic Level Treatment: Evaluation for physical injuries, monitoring vitals, and possible anxiolytic medication.

Patient 7: 65-year-old male

Injury Description: Laceration on arm with arterial bleeding.

Triage Color: Red

Current Presentation: Profuse bleeding, in shock.

Vitals: BP 80/50, HR 140, RR 28.

Moulage: Simulated arterial bleed.

EMT Level Treatment: Application of a tourniquet, treatment for shock.

Paramedic Level Treatment: IV fluids, wound management, rapid transport, and pain management.

Patient 8: 50-year-old female

Injury Description: Back injury with potential spinal damage, immobilized.

Triage Color: Yellow

Current Presentation: Back pain, unable to move legs, alert but anxious.

Vitals: BP 110/70, HR 90, RR 20.

Moulage: None required for spinal injury.

EMT Level Treatment: Cervical spine immobilization, backboard, and neurological assessment.

Paramedic Level Treatment: IV access, detailed neurological assessment, transport with spinal precautions.

Sports Stadium Collapse: Part of a sports stadium collapses during an event, causing mass casualties. The scenario includes crush injuries, managing panic in a large crowd, and coordinating with multiple emergency response teams.

Patient 1: 33-year-old male

Injury Description: Severe crush injuries to the chest and abdomen.

Triage Color: Red

Current Presentation: Difficulty breathing, severe pain, shock symptoms.

Vitals: BP 85/55, HR 130, RR 28, SpO2 88%.

Moulage: Simulated bruising and possible external bleeding on the chest and abdomen.

EMT Level Treatment: Oxygen administration, stabilization of the chest, shock management.

Paramedic Level Treatment: IV fluids, pain management, advanced airway management if needed, rapid transport.

Patient 2: 26-year-old female

Injury Description: Fractured lower leg with visible deformity.

Triage Color: Yellow

Current Presentation: Severe pain in the leg, swelling, unable to bear weight.

Vitals: BP 120/80, HR 90, RR 20.

Moulage: Simulated leg deformity.

EMT Level Treatment: Immobilization of the leg, pain assessment.

Paramedic Level Treatment: Splinting, IV pain medication, and preparation for transport.

Patient 3: 45-year-old male

Injury Description: Head trauma with loss of consciousness.

Triage Color: Red

Current Presentation: Unconscious, bleeding from head wound.

Vitals: BP 90/60, HR 110, irregular breathing.

Moulage: Simulated head wound with fake blood.

EMT Level Treatment: Cervical spine stabilization, bleeding control, airway management.

Paramedic Level Treatment: Advanced airway management, IV fluids, rapid transport for imaging and evaluation.

Patient 4: 15-year-old female

Injury Description: Panic attack, no physical injuries.

Triage Color: Green

Current Presentation: Hyperventilating, crying, chest tightness.

Vitals: BP 130/85, HR 120, RR 26.

Moulage: None required.

EMT Level Treatment: Reassurance, helping to regulate breathing.

Paramedic Level Treatment: Monitoring for physical injuries, possible anxiolytic medication, and evaluation for further care.

Patient 5: 60-year-old female

Injury Description: Multiple lacerations from flying debris, potential shock.

Triage Color: Red

Current Presentation: Bleeding from multiple wounds, disoriented.

Vitals: BP 100/70, HR 110, RR 22.

Moulage: Simulated lacerations with fake blood.

EMT Level Treatment: Bleeding control, shock management.

Paramedic Level Treatment: IV fluids, wound care, pain management, tetanus prophylaxis.

Patient 6: 50-year-old male

Injury Description: Compound fracture of the arm.

Triage Color: Green

Current Presentation: Severe pain, visible bone protrusion, bleeding.

Vitals: BP 110/75, HR 100, RR 20.

Moulage: Simulated compound fracture with fake bone and blood.

EMT Level Treatment: Bleeding control, immobilization of the arm.

Paramedic Level Treatment: Splinting, IV pain medication, wound care, and rapid transport.

Patient 7: 20-year-old male

Injury Description: Back injury with potential spinal damage, immobilized.

Triage Color: Yellow

Current Presentation: Back pain, unable to move legs, alert but anxious.

Vitals: BP 120/80, HR 85, RR 18.

Moulage: None required for spinal injury.

EMT Level Treatment: Cervical spine immobilization, backboard, neurological assessment.

Paramedic Level Treatment: IV access, detailed neurological assessment, transport with spinal precautions.

Patient 8: 70-year-old female

Injury Description: Chest pain and difficulty breathing, history of heart disease.

Triage Color: Red

Current Presentation: Clutching chest, pale, sweating, shortness of breath.

Vitals: BP 160/100, HR 120, RR 32.

Moulage: Pale skin with simulated sweat.

EMT Level Treatment: Oxygen administration, aspirin, preparation for rapid transport.

Paramedic Level Treatment: ECG, IV access, nitroglycerin, continuous cardiac monitoring.

Gas Explosion in a Shopping Complex: A gas leak leads to an explosion in a shopping complex. The incident involves burn injuries, blast trauma, and the challenge of evacuating people from a confined space filled with smoke and debris.

Patient 1: 55-year-old male

Injury Description: Third-degree burns on arms and face.

Triage Color: Red

Current Presentation: Severe pain, charred skin, confusion.

Vitals: BP 90/60, HR 130, RR 26.

Moulage: Simulated third-degree burns on arms and face.

EMT Level Treatment: Covering burns with sterile dressings, pain assessment, shock management.

Paramedic Level Treatment: IV fluids, pain management, preparation for rapid transport to a burn center.

Patient 2: 30-year-old female

Injury Description: Blast injury with potential internal trauma, abdominal pain.

Triage Color: Red

Current Presentation: Severe abdominal pain, signs of shock, disoriented.

Vitals: BP 80/50, HR 140, RR 30.

Moulage: None required for internal injuries.

EMT Level Treatment: Monitoring for shock, minimizing patient movement.

Paramedic Level Treatment: IV fluids, pain management, rapid transport for imaging and surgical evaluation.

Patient 3: 20-year-old male

Injury Description: Fractured leg with visible deformity.

Triage Color: Yellow

Current Presentation: Severe pain in the leg, swelling, unable to bear weight.

Vitals: BP 120/80, HR 90, RR 20.

Moulage: Simulated leg deformity.

EMT Level Treatment: Immobilization of the leg, pain assessment.

Paramedic Level Treatment: Splinting, IV pain medication, and preparation for transport.

Patient 4: 45-year-old female

Injury Description: Mild smoke inhalation, coughing, and anxiety.

Triage Color: Green

Current Presentation: Coughing, shortness of breath, anxious.

Vitals: BP 130/85, HR 100, RR 24, SpO2 95%.

Moulage: None required.

EMT Level Treatment: Oxygen administration, reassurance, monitoring for respiratory distress.

Paramedic Level Treatment: Continuous monitoring, assessment for further respiratory complications.

Patient 5: 60-year-old male

Injury Description: Lacerations from flying debris, shock.

Triage Color: Green

Current Presentation: Bleeding from multiple wounds, pale, and disoriented.

Vitals: BP 100/70, HR 110, RR 22.

Moulage: Simulated lacerations with fake blood.

EMT Level Treatment: Bleeding control, shock management.

Paramedic Level Treatment: IV fluids, wound care, pain management, and rapid transport.

Patient 6: 17-year-old female

Injury Description: Panic attack, no physical injuries.

Triage Color: Green

Current Presentation: Hyperventilating, rapid heartbeat, no visible injuries.

Vitals: BP 120/80, HR 120, RR 28.

Moulage: None required.

EMT Level Treatment: Reassurance, helping to regulate breathing, monitoring for other injuries.

Paramedic Level Treatment: Monitoring for physical injuries, possible anxiolytic medication, and reassessment.

Patient 7: 35-year-old male

Injury Description: Head injury with a possible concussion, laceration on the scalp.

Triage Color: Red

Current Presentation: Dizziness, headache, bleeding from the head.

Vitals: BP 130/90, HR 85, RR 18.

Moulage: Simulated scalp laceration with fake blood.

EMT Level Treatment: Bleeding control, cervical spine stabilization, monitoring for neurological changes.

Paramedic Level Treatment: Advanced airway management if needed, neurological assessment, rapid transport for imaging.

Patient 8: 50-year-old female

Injury Description: Second-degree burns on the back and shock.

Triage Color: Red

Current Presentation: Severe pain, blistered and reddened skin on the back, signs of shock.

Vitals: BP 85/60, HR 130, RR 26.

Moulage: Simulated second-degree burns on the back.

EMT Level Treatment: Covering burns with sterile dressings, shock management.

Paramedic Level Treatment: IV fluids, pain management, preparation for rapid transport to a burn center.

Bridge Collapse During Peak Traffic: A bridge collapses during peak traffic hours, leading to vehicles falling and getting crushed. This includes scenarios of drowning (if over water) , high-angle rescue, crush injuries, and managing a large-scale traffic disruption.

Patient 1: 28-year-old male

Injury Description: Crush injuries to the lower body, trapped in vehicle.

Triage Color: Red

Current Presentation: Conscious, severe pain, unable to move lower extremities.

Vitals: BP 90/60, HR 130, RR 24.

Moulage: Simulated crushing injuries with bruising and fake blood.

EMT Level Treatment: Stabilization, pain assessment, preparation for extrication.

Paramedic Level Treatment: IV access, pain management, continuous monitoring, and coordination with rescue teams for safe extrication.

Patient 2: 35-year-old female

Injury Description: Near-drowning, respiratory distress after being rescued from water.

Triage Color: Red

Current Presentation: Coughing up water, difficulty breathing, extremely anxious.

Vitals: BP 110/70, HR 120, RR 30, SpO2 92%.

Moulage: Wet clothing, simulated pallor.

EMT Level Treatment: High-flow oxygen, positioning for comfort, monitoring for respiratory distress.

Paramedic Level Treatment: Advanced airway management if necessary, IV fluids, and rapid transport for further evaluation.

Patient 3: 50-year-old male

Injury Description: Fractured arm and minor head trauma.

Triage Color: Green

Current Presentation: Pain in arm, mild confusion, bleeding from a head wound.

Vitals: BP 130/80, HR 85, RR 18.

Moulage: Simulated fracture and head wound with fake blood.

EMT Level Treatment: Immobilization of the arm, bleeding control, cervical spine precautions.

Paramedic Level Treatment: Splinting, IV pain medication, and neurological assessment.

Patient 4: 40-year-old female

Injury Description: Panic attack, minor scrapes.

Triage Color: Green

Current Presentation: Rapid breathing, chest tightness, minor cuts.

Vitals: BP 140/90, HR 110, RR 28.

Moulage: Minor scrapes.

EMT Level Treatment: Calming reassurance, assistance with breathing regulation.

Paramedic Level Treatment: Evaluation for physical injuries, possible anxiolytic medication.

Patient 5: 60-year-old male

Injury Description: Chest pain, possible cardiac event.

Triage Color: Red

Current Presentation: Clutching chest, shortness of breath, sweating.

Vitals: BP 160/100, HR 120, RR 32.

Moulage: Simulated sweat.

EMT Level Treatment: Oxygen administration, aspirin, preparation for rapid transport.

Paramedic Level Treatment: ECG, IV access, nitroglycerin, continuous cardiac monitoring.

Patient 6: 22-year-old male

Injury Description: Spinal injury, no visible external wounds.

Triage Color: Yellow

Current Presentation: Back pain, numbness in legs, immobilized.

Vitals: BP 120/80, HR 90, RR 20.

Moulage: None required for spinal injury.

EMT Level Treatment: Cervical spine immobilization, backboard, neurological assessment.

Paramedic Level Treatment: IV access, detailed neurological assessment, transport with spinal precautions.

Patient 7: 45-year-old female

Injury Description: Lacerations and broken ribs from steering wheel impact.

Triage Color: Yellow

Current Presentation: Difficulty breathing, pain in chest, bleeding from cuts.

Vitals: BP 130/85, HR 100, RR 24.

Moulage: Simulated lacerations and bruising.

EMT Level Treatment: Bleeding control, stabilization of the chest, oxygen administration.

Paramedic Level Treatment: Pain management, IV fluids, careful monitoring for pneumothorax.

Patient 8: 17-year-old male

Injury Description: Shock and minor trauma from being thrown against car interior.

Triage Color: Red

Current Presentation: Dizzy, disoriented, minor cuts and bruises.

Vitals: BP 110/70, HR 100, RR 22.

Moulage: Minor cuts and bruises.

EMT Level Treatment: Monitoring for signs of internal bleeding, reassurance, pain assessment.

Paramedic Level Treatment: IV fluids, thorough assessment for internal injuries, and transport for imaging.

Terrorist Bombing at a Public Parade: A terrorist bomb explodes at a public parade, causing shrapnel injuries, traumatic amputations, and dealing with the immediate panic in a densely populated area.

Patient 1: 40-year-old male

Injury Description: Multiple shrapnel wounds, including to the chest.

Triage Color: Red

Current Presentation: Difficulty breathing, severe pain, bleeding heavily.

Vitals: BP 85/60, HR 130, RR 28, SpO2 88%.

Moulage: Simulated shrapnel wounds with embedded materials and bleeding.

EMT Level Treatment: Bleeding control, oxygen administration, shock management.

Paramedic Level Treatment: Advanced airway management if needed, IV fluids, pain management, rapid transport.

Patient 2: 35-year-old female

Injury Description: Traumatic amputation of the lower leg.

Triage Color: Red

Current Presentation: In shock, severe bleeding from the leg.

Vitals: BP 70/40, HR 150, RR 30.

Moulage: Simulated traumatic amputation with profuse bleeding.

EMT Level Treatment: Application of a tourniquet, treatment for shock.

Paramedic Level Treatment: IV fluids, pain management, rapid transport with careful handling.

Patient 3: 50-year-old male

Injury Description: Head trauma, possible concussion, and laceration on the scalp.

Triage Color: Red

Current Presentation: Confused, headache, bleeding from the head.

Vitals: BP 110/70, HR 90, RR 20.

Moulage: Simulated scalp laceration with fake blood.

EMT Level Treatment: Bleeding control, cervical spine stabilization, neurological checks.

Paramedic Level Treatment: IV fluids, neurological assessment, transport for imaging.

Patient 4: 20-year-old female

Injury Description: Panic attack, minor scrapes.

Triage Color: Green

Current Presentation: Hyperventilating, minor bleeding from scrapes, extremely anxious.

Vitals: BP 130/80, HR 120, RR 28.

Moulage: Minor scrapes.

EMT Level Treatment: Calming reassurance, wound care.

Paramedic Level Treatment: Evaluation for physical injuries, monitoring vitals, and possible anxiolytic medication.

Patient 5: 60-year-old female

Injury Description: Chest pain and difficulty breathing, history of heart disease.

Triage Color: Red

Current Presentation: Clutching chest, pale, sweating, short of breath.

Vitals: BP 160/90, HR 110, RR 32.

Moulage: Simulated sweat.

EMT Level Treatment: Oxygen administration, aspirin, preparation for rapid transport.

Paramedic Level Treatment: ECG, nitroglycerin, IV access, continuous cardiac monitoring.

Patient 6: 15-year-old male

Injury Description: Shrapnel wound to the abdomen, internal bleeding suspected.

Triage Color: Red

Current Presentation: Severe abdominal pain, signs of shock, pale.

Vitals: BP 80/50, HR 140, RR 24.

Moulage: Simulated abdominal wound with fake blood.

EMT Level Treatment: Shock management, minimal movement, rapid transport preparation.

Paramedic Level Treatment: IV fluids, pain management, rapid transport for surgical intervention.

Patient 7: 25-year-old female

Injury Description: Broken arm and facial abrasions.

Triage Color: Green

Current Presentation: Pain in the arm, visible deformity, minor bleeding from facial cuts.

Vitals: BP 120/80, HR 90, RR 20.

Moulage: Simulated broken arm and facial abrasions.

EMT Level Treatment: Immobilization of the arm, wound care, pain assessment.

Paramedic Level Treatment: Splinting, IV pain medication, wound cleaning, and tetanus prophylaxis.

Patient 8: 10-year-old male

Injury Description: Severe anxiety and minor contusions.

Triage Color: Green

Current Presentation: Crying, minor bruises, scared.

Vitals: BP 100/65, HR 110, RR 22.

Moulage: Minor bruises.

EMT Level Treatment: Comforting the child, monitoring for more severe injuries.

Paramedic Level Treatment: Further assessment for underlying injuries, calming reassurance, and possible glucose check.

Industrial Accident with Steam Explosion: An industrial accident where a steam boiler explodes, causing burns, blunt trauma, and dealing with a high-pressure environment with potential secondary explosions.

Patient 1: 38-year-old male

Injury Description: Severe steam burns on face and arms.

Triage Color: Red

Current Presentation: Severe pain, reddened and blistered skin, shock symptoms.

Vitals: BP 85/55, HR 130, RR 28.

Moulage: Simulated severe burns with blistering.

EMT Level Treatment: Covering burns with sterile dressings, pain assessment, shock management.

Paramedic Level Treatment: IV fluids, pain management, transport to a burn center.

Patient 2: 45-year-old female

Injury Description: Blunt trauma to the abdomen, suspected internal bleeding.

Triage Color: Red

Current Presentation: Severe abdominal pain, guarding, signs of shock.

Vitals: BP 90/60, HR 120, RR 30.

Moulage: None required for internal injuries.

EMT Level Treatment: Monitoring for shock, minimal movement, rapid transport preparation.

Paramedic Level Treatment: IV fluids, pain management, rapid transport for imaging and surgical intervention.

Patient 3: 50-year-old male

Injury Description: Fractured lower leg with visible deformity.

Triage Color: Yellow

Current Presentation: Severe pain in the leg, swelling, inability to bear weight.

Vitals: BP 120/80, HR 90, RR 20.

Moulage: Simulated leg deformity.

EMT Level Treatment: Immobilization of the leg, pain assessment.

Paramedic Level Treatment: Splinting, IV pain medication, and preparation for transport.

Patient 4: 28-year-old male

Injury Description: Mild steam burns on hands, inhalation injury.

Triage Color: Red

Current Presentation: Coughing, difficulty breathing, pain in hands.

Vitals: BP 110/70, HR 100, RR 32, SpO2 95%.

Moulage: Simulated mild burns on hands.

EMT Level Treatment: Irrigation of burns, oxygen administration.

Paramedic Level Treatment: Assessment for airway damage, pain management, transport for further evaluation.

Patient 5: 32-year-old female

Injury Description: Concussion, laceration on the scalp.

Triage Color: Red

Current Presentation: Confusion, headache, bleeding from head wound.

Vitals: BP 130/85, HR 85, RR 18.

Moulage: Simulated scalp laceration with fake blood.

EMT Level Treatment: Bleeding control, cervical spine stabilization, neurological checks.

Paramedic Level Treatment: IV fluids, neurological assessment, and preparation for transport.

Patient 6: 26-year-old female

Injury Description: Panic attack, no physical injuries.

Triage Color: Green

Current Presentation: Rapid breathing, chest tightness, no visible injuries.

Vitals: BP 130/80, HR 110, RR 26.

Moulage: None required.

EMT Level Treatment: Reassurance, helping to regulate breathing.

Paramedic Level Treatment: Evaluation for physical injuries, monitoring vitals, and possible anxiolytic medication.

Patient 7: 60-year-old male

Injury Description: Partial amputation of a finger, bleeding.

Triage Color: Green

Current Presentation: Pain, bleeding from the hand, shock symptoms.

Vitals: BP 100/70, HR 110, RR 22.

Moulage: Simulated partial amputation of a finger with bleeding.

EMT Level Treatment: Bleeding control, shock management.

Paramedic Level Treatment: IV fluids, pain management, wound care, and rapid transport.

Patient 8: 42-year-old male

Injury Description: Back injury with potential spinal damage, immobilized.

Triage Color: Yellow

Current Presentation: Back pain, unable to move legs, alert but anxious.

Vitals: BP 120/80, HR 90, RR 20.

Moulage: None required for spinal injury.

EMT Level Treatment: Cervical spine immobilization, backboard, neurological assessment.

Paramedic Level Treatment: IV access, detailed neurological assessment, transport with spinal precautions.

Avalanche at a Ski Resort: An avalanche at a ski resort buries several skiers and damages resort facilities. This scenario involves hypothermia, trauma from being buried or struck by debris, and the challenge of mountainous and snowy terrain for rescue operations.

Patient 1: 29-year-old male

Injury Description: Hypothermia and a broken leg.

Triage Color: Red

Current Presentation: Confused, shivering, leg visibly deformed.

Vitals: BP 90/60, HR 55, RR 12, low body temperature.

Moulage: Simulated leg deformity and pale, cold skin.

EMT Level Treatment: Warming techniques, immobilization of the leg, monitoring vital signs.

Paramedic Level Treatment: Advanced warming techniques, IV warm fluids, pain management, preparation for transport.

Patient 2: 22-year-old female

Injury Description: Concussion, laceration on the head.

Triage Color: Red

Current Presentation: Dizziness, confusion, bleeding from head wound.

Vitals: BP 120/80, HR 85, RR 20.

Moulage: Simulated head wound with fake blood.

EMT Level Treatment: Bleeding control, cervical spine stabilization, monitoring for signs of neurological changes.

Paramedic Level Treatment: IV fluids, neurological assessment, transport for further evaluation.

Patient 3: 35-year-old male

Injury Description: Chest trauma, difficulty breathing.

Triage Color: Red

Current Presentation: Shortness of breath, chest pain, bruising on the chest.

Vitals: BP 110/70, HR 120, RR 32, SpO2 92%.

Moulage: Simulated chest bruising.

EMT Level Treatment: High-flow oxygen, stabilization of the chest, monitoring for pneumothorax.

Paramedic Level Treatment: Needle decompression if necessary, pain management, IV fluids, rapid transport.

Patient 4: 27-year-old female

Injury Description: Mild hypothermia, minor abrasions.

Triage Color: Green

Current Presentation: Shivering, minor cuts and bruises, alert.

Vitals: BP 110/75, HR 75, RR 18, slightly lowered body temperature.

Moulage: Minor simulated abrasions.

EMT Level Treatment: Warming techniques, wound care.

Paramedic Level Treatment: Continuous warming, reassessment for any hidden injuries, and monitoring for hypothermia complications.

Patient 5: 50-year-old male

Injury Description: Dislocated shoulder and shock.

Triage Color: Green

Current Presentation: Severe shoulder pain, dizziness, pale.

Vitals: BP 100/60, HR 110, RR 22.

Moulage: Simulated shoulder deformity.

EMT Level Treatment: Immobilization of the shoulder, shock management.

Paramedic Level Treatment: Pain management, IV fluids, preparation for transport.

Patient 6: 16-year-old male

Injury Description: Panic attack, minor scrapes.

Triage Color: Green

Current Presentation: Rapid breathing, chest tightness, minor cuts.

Vitals: BP 120/80, HR 120, RR 30.

Moulage: Minor simulated scrapes.

EMT Level Treatment: Reassurance, assistance with breathing regulation.

Paramedic Level Treatment: Monitoring for physical injuries, possible anxiolytic medication.

Patient 7: 40-year-old female

Injury Description: Abrasions and suspected spinal injury.

Triage Color: Yellow

Current Presentation: Back pain, inability to feel legs, minor cuts.

Vitals: BP 120/80, HR 90, RR 20.

Moulage: Simulated abrasions and back injury.

EMT Level Treatment: Spinal immobilization, careful monitoring, and handling.

Paramedic Level Treatment: IV access, neurological assessment, transport with spinal precautions.

Patient 8: 60-year-old male

Injury Description: Severe hypothermia, unresponsive.

Triage Color: Red

Current Presentation: Unconscious, very cold to the touch, shallow breathing.

Vitals: BP 80/50, HR 40, RR 8, very low body temperature.

Moulage: Pale, cold skin.

EMT Level Treatment: Passive rewarming, airway management, vital signs monitoring.

Paramedic Level Treatment: Advanced rewarming techniques, possible airway intervention, IV warm fluids, rapid transport with continuous monitoring.

Large-scale Food Poisoning at a Festival: An outdoor festival experiences a mass food poisoning incident, affecting dozens of attendees. Symptoms include severe gastrointestinal distress, dehydration, and complications from pre-existing conditions exacerbated by the poisoning.

Patient 1: 24-year-old male

Injury Description: Severe gastrointestinal distress, vomiting, dehydration.

Triage Color: Green

Current Presentation: Repeated vomiting, abdominal cramps, weakness.

Vitals: BP 100/70, HR 110, RR 20, signs of dehydration.

Moulage: None required.

EMT Level Treatment: Oral rehydration if possible, monitoring for worsening symptoms.

Paramedic Level Treatment: IV fluids, antiemetic medication, monitoring electrolytes.

Patient 2: 35-year-old female

Injury Description: Mild gastrointestinal symptoms, history of diabetes.

Triage Color: Green

Current Presentation: Nausea, dizziness, concern about blood sugar levels.

Vitals: BP 120/80, HR 90, RR 18.

Moulage: None required.

EMT Level Treatment: Assessment of blood sugar, oral rehydration.

Paramedic Level Treatment: Blood glucose management, IV fluids, monitoring for diabetic complications.

Patient 3: 50-year-old male

Injury Description: Gastrointestinal distress, cardiac history.

Triage Color: Red

Current Presentation: Chest discomfort, shortness of breath, abdominal pain.

Vitals: BP 140/90, HR 100, RR 32, irregular heart rate.

Moulage: None required.

EMT Level Treatment: Oxygen administration, aspirin, preparation for rapid transport.

Paramedic Level Treatment: ECG, nitroglycerin if indicated, IV fluids, continuous cardiac monitoring.

Patient 4: 16-year-old female

Injury Description: Severe dehydration from vomiting and diarrhea.

Triage Color: Yellow

Current Presentation: Lightheadedness, extreme thirst, reduced urine output.

Vitals: BP 90/60, HR 120, RR 22, signs of dehydration.

Moulage: None required.

EMT Level Treatment: Oral rehydration solutions, monitoring vital signs.

Paramedic Level Treatment: IV fluids, monitoring for signs of severe dehydration or electrolyte imbalances.

Patient 5: 28-year-old male

Injury Description: Mild gastrointestinal symptoms, anxiety.

Triage Color: Green

Current Presentation: Nausea, no vomiting, anxious about the situation.

Vitals: BP 130/80, HR 95, RR 20.

Moulage: None required.

EMT Level Treatment: Reassurance, oral rehydration.

Paramedic Level Treatment: Monitoring for physical symptoms, possible anxiolytic medication.

Patient 6: 65-year-old female

Injury Description: Gastrointestinal distress, pre-existing renal condition.

Triage Color: Green

Current Presentation: Abdominal pain, concern about kidney function.

Vitals: BP 110/70, HR 85, RR 18.

Moulage: None required.

EMT Level Treatment: Assessment of hydration status, preparation for transport.

Paramedic Level Treatment: IV fluids carefully administered, monitoring renal function, transport for further evaluation.

Patient 7: 40-year-old male

Injury Description: Gastrointestinal distress, severe headache.

Triage Color: Green

Current Presentation: Nausea, headache, photophobia.

Vitals: BP 120/85, HR 90, RR 20.

Moulage: None required.

EMT Level Treatment: Dark, quiet environment, oral rehydration.

Paramedic Level Treatment: IV fluids, pain management, monitoring for neurological symptoms.

Patient 8: 30-year-old female

Injury Description: Severe vomiting, pregnant.

Triage Color: Red

Current Presentation: Persistent vomiting, concern for fetal well-being.

Vitals: BP 100/65, HR 110, RR 34, signs of dehydration.

Moulage: None required.

EMT Level Treatment: Gentle repositioning, monitoring vital signs.

Paramedic Level Treatment: IV fluids, antiemetic medication suitable for pregnancy, urgent transport for obstetric evaluation.

Major Power Plant Malfunction: A significant malfunction at a power plant leads to an explosion, causing burns, trauma from blasts, and potential radiation exposure.

Patient 1: 48-year-old male

Injury Description: Third-degree burns on upper body and face, inhalation injury.

Triage Color: Red

Current Presentation: Severe pain, difficulty breathing, charred skin.

Vitals: BP 90/60, HR 130, RR 30, SpO2 88%.

Moulage: Simulated third-degree burns and soot around mouth and nose.

EMT Level Treatment: Covering burns with sterile dressings, oxygen administration, shock management.

Paramedic Level Treatment: Advanced airway management, IV fluids, pain management, transport to a burn center.

Patient 2: 32-year-old female

Injury Description: Blast trauma with suspected internal injuries, disorientation.

Triage Color: Red

Current Presentation: Confused, abdominal pain, signs of internal bleeding.

Vitals: BP 80/50, HR 140, RR 28.

Moulage: None required for internal injuries.

EMT Level Treatment: Monitoring for shock, minimal movement, rapid transport preparation.

Paramedic Level Treatment: IV fluids, pain management, rapid transport for imaging and potential surgery.

Patient 3: 27-year-old male

Injury Description: Fractured leg with visible deformity, radiation exposure suspected.

Triage Color: Yellow

Current Presentation: Severe pain in leg, swelling, unable to bear weight, anxiety about radiation exposure.

Vitals: BP 120/80, HR 90, RR 20.

Moulage: Simulated leg deformity.

EMT Level Treatment: Immobilization of the leg, reassurance about radiation exposure, pain assessment.

Paramedic Level Treatment: Splinting, IV pain medication, coordination with hazardous material (HAZMAT) teams for decontamination.

Patient 4: 55-year-old female

Injury Description: Mild burns on hands, acute stress reaction.

Triage Color: Green

Current Presentation: Shaking, mild burns on hands, extremely anxious.

Vitals: BP 130/85, HR 100, RR 24.

Moulage: Simulated mild burns.

EMT Level Treatment: Burn care, calming reassurance, monitoring for shock.

Paramedic Level Treatment: Assessment for further injuries, burn treatment.

Patient 5: 40-year-old male

Injury Description: Head trauma from debris, laceration on the scalp.

Triage Color: Red

Current Presentation: Confusion, headache, bleeding from head wound.

Vitals: BP 110/70, HR 90, RR 20.

Moulage: Simulated scalp laceration with fake blood.

EMT Level Treatment: Bleeding control, cervical spine stabilization, neurological checks.

Paramedic Level Treatment: IV fluids, neurological assessment, transport for imaging.

Patient 6: 35-year-old female

Injury Description: Respiratory distress due to inhalation of toxic fumes.

Triage Color: Red

Current Presentation: Difficulty breathing, coughing, burning sensation in the throat.

Vitals: BP 100/70, HR 110, RR 32, SpO2 88%.

Moulage: None required for inhalation injury.

EMT Level Treatment: High-flow oxygen, monitoring for respiratory distress.

Paramedic Level Treatment: Advanced airway management if necessary, IV steroids, coordination with HAZMAT for potential decontamination.

Patient 7: 29-year-old male

Injury Description: Shrapnel wounds to the abdomen, radiation exposure suspected.

Triage Color: Yellow

Current Presentation: Moderate pain, bleeding from abdominal wounds, concern about radiation.

Vitals: BP 110/75, HR 100, RR 22.

Moulage: Simulated shrapnel wounds with fake blood.

EMT Level Treatment: Bleeding control, reassurance about radiation, shock monitoring.

Paramedic Level Treatment: Wound management, IV fluids, pain management, coordination with HAZMAT.

Patient 8: 22-year-old female

Injury Description: Anxiety attack, no physical injuries but possible radiation exposure.

Triage Color: Green

Current Presentation: Hyperventilating, rapid heartbeat, extremely anxious about radiation exposure.

Vitals: BP 120/80, HR 110, RR 28.

Moulage: None required.

EMT Level Treatment: Calming reassurance, breathing regulation assistance.

Paramedic Level Treatment: Monitoring for physical injuries, coordination with HAZMAT.

Landslide in a Mountainous Region: A landslide in a mountainous tourist area destroys several campgrounds and hiking trails. Casualties include trauma from being struck by debris, potential entrapments, and injuries sustained from falls. Responders face challenges in accessing remote areas and navigating rugged terrain.

Patient 1: 45-year-old male

Injury Description: Crush injuries to the lower extremities, suspected pelvic fracture.

Triage Color: Red

Current Presentation: Severe pain, unable to move lower limbs, signs of shock.

Vitals: BP 85/50, HR 130, RR 30.

Moulage: Simulated bruising and possible external bleeding on the lower body.

EMT Level Treatment: Stabilization, pain assessment, shock management.

Paramedic Level Treatment: IV fluids, pain management, pelvic stabilization, and preparation for extrication and transport.

Patient 2: 30-year-old female

Injury Description: Head injury with loss of consciousness, laceration on the scalp.

Triage Color: Red

Current Presentation: Unconscious, bleeding from head wound.

Vitals: BP 90/60, HR 110, irregular breathing.

Moulage: Simulated scalp laceration with fake blood.

EMT Level Treatment: Cervical spine stabilization, bleeding control, airway management.

Paramedic Level Treatment: Advanced airway management, IV fluids, rapid transport for imaging and evaluation.

Patient 3: 55-year-old male

Injury Description: Fractured arm and minor head trauma.

Triage Color: Green

Current Presentation: Pain in arm, mild confusion, bleeding from a head wound.

Vitals: BP 120/80, HR 85, RR 18.

Moulage: Simulated arm fracture and head wound with fake blood.

EMT Level Treatment: Immobilization of the arm, bleeding control, cervical spine precautions.

Paramedic Level Treatment: Splinting, IV pain medication, and neurological assessment.

Patient 4: 20-year-old female

Injury Description: Mild hypothermia, minor abrasions.

Triage Color: Green

Current Presentation: Shivering, minor cuts and bruises, alert.

Vitals: BP 110/75, HR 75, RR 18, slightly lowered body temperature.

Moulage: Minor simulated abrasions.

EMT Level Treatment: Warming techniques, wound care.

Paramedic Level Treatment: Continuous warming, reassessment for any hidden injuries, and monitoring for hypothermia complications.

Patient 5: 40-year-old female

Injury Description: Dislocated shoulder and shock.

Triage Color: Green

Current Presentation: Severe shoulder pain, dizziness, pale.

Vitals: BP 100/60, HR 110, RR 22.

Moulage: Simulated shoulder deformity.

EMT Level Treatment: Immobilization of the shoulder, shock management.

Paramedic Level Treatment: Pain management, IV fluids, preparation for transport.

Patient 6: 60-year-old female

Injury Description: Ankle fracture and minor cuts.

Triage Color: Yellow

Current Presentation: Unable to walk, in pain, minor bleeding from cuts.

Vitals: BP 130/85, HR 90, RR 20.

Moulage: Simulated ankle deformity and minor lacerations.

EMT Level Treatment: Splinting the ankle, wound care, pain assessment.

Paramedic Level Treatment: Pain management, wound cleaning and dressing, and consideration for tetanus vaccination.

Patient 7: 50-year-old male

Injury Description: Panic attack, no physical injuries but potential entrapment shock.

Triage Color: Green

Current Presentation: Rapid breathing, chest tightness, no visible injuries.

Vitals: BP 140/90, HR 110, RR 26.

Moulage: None required.

EMT Level Treatment: Calming reassurance, helping to regulate breathing.

Paramedic Level Treatment: Monitoring for physical injuries, possible anxiolytic medication.

Patient 8: 16-year-old male

Injury Description: Multiple abrasions and contusions, mild dehydration.

Triage Color: Green

Current Presentation: Bruises, minor cuts, complaining of thirst and dizziness.

Vitals: BP 110/70, HR 100, RR 22.

Moulage: Simulated scrapes and bruises.

EMT Level Treatment: Wound care, oral rehydration.

Paramedic Level Treatment: IV fluid administration if necessary, thorough assessment for more serious underlying injuries.

Multi-Vehicle Collision in a Tunnel: A multi-vehicle collision occurs in a busy tunnel, involving cars and a fuel tanker, leading to a fire. This scenario includes managing burn injuries, potential exposure to hazardous materials, and the difficulty of evacuating and treating patients in a confined and potentially dangerous environment.

Patient 1: 34-year-old male

Injury Description: Severe burns from the fire, inhalation injury.

Triage Color: Red

Current Presentation: Difficulty breathing, severe pain, burns on face and upper body.

Vitals: BP 90/60, HR 130, RR 30, SpO2 88%.

Moulage: Simulated burns on face and upper body.

EMT Level Treatment: Covering burns with sterile dressings, oxygen administration, shock management.

Paramedic Level Treatment: Advanced airway management, IV fluids, pain management, transport to a burn center.

Patient 2: 28-year-old female

Injury Description: Head trauma, possible concussion, and laceration on the forehead.

Triage Color: Red

Current Presentation: Dizziness, headache, bleeding from head wound.

Vitals: BP 120/80, HR 85, RR 18.

Moulage: Simulated head wound with fake blood.

EMT Level Treatment: Bleeding control, cervical spine stabilization, neurological checks.

Paramedic Level Treatment: IV fluids, neurological assessment, transport for imaging.

Patient 3: 45-year-old male

Injury Description: Chest trauma from steering wheel impact, difficulty breathing.

Triage Color: Red

Current Presentation: Shortness of breath, chest pain, bruising on the chest.

Vitals: BP 130/85, HR 100, RR 32, SpO2 92%.

Moulage: Simulated chest bruising.

EMT Level Treatment: Oxygen administration, stabilization of the chest, monitoring for pneumothorax.

Paramedic Level Treatment: Pain management, needle decompression if necessary, IV fluids, rapid transport.

Patient 4: 50-year-old female

Injury Description: Mild burns on hands, acute stress reaction.

Triage Color: Green

Current Presentation: Shaking, mild burns on hands, extremely anxious.

Vitals: BP 130/85, HR 100, RR 24.

Moulage: Simulated mild burns.

EMT Level Treatment: Burn care, calming reassurance, monitoring for shock.

Paramedic Level Treatment: Assessment for further injuries, possible anxiolytic medication.

Patient 5: 60-year-old male

Injury Description: Fractured leg with visible deformity, radiation exposure suspected.

Triage Color: Yellow

Current Presentation: Severe pain in leg, swelling, unable to bear weight.

Vitals: BP 120/80, HR 90, RR 20.

Moulage: Simulated leg deformity.

EMT Level Treatment: Immobilization of the leg, reassurance, pain assessment.

Paramedic Level Treatment: Splinting, IV pain medication, and preparation for transport.

Patient 6: 22-year-old female

Injury Description: Panic attack, minor scrapes.

Triage Color: Green

Current Presentation: Rapid breathing, chest tightness, minor cuts.

Vitals: BP 120/80, HR 110, RR 26.

Moulage: Minor scrapes.

EMT Level Treatment: Calming reassurance, wound care.

Paramedic Level Treatment: Evaluation for physical injuries, possible anxiolytic medication.

Patient 7: 37-year-old male

Injury Description: Lacerations from flying glass, possible shock.

Triage Color: Green

Current Presentation: Bleeding from multiple wounds, pale, disoriented.

Vitals: BP 100/70, HR 110, RR 22.

Moulage: Simulated lacerations with fake blood.

EMT Level Treatment: Bleeding control, shock management.

Paramedic Level Treatment: IV fluids, wound care, pain management, rapid transport.

Patient 8: 30-year-old female

Injury Description: Back injury with potential spinal damage, immobilized.

Triage Color: Yellow

Current Presentation: Back pain, unable to move legs, alert but anxious.

Vitals: BP 120/80, HR 90, RR 20.

Moulage: None required for spinal injury.

EMT Level Treatment: Cervical spine immobilization, backboard, neurological assessment.

Paramedic Level Treatment: IV access, detailed neurological assessment, transport with spinal precautions.

Amusement Park Ride Failure: A mechanical failure on a roller coaster at a busy amusement park results in multiple injuries. This scenario involves managing traumatic injuries from falls and collisions, including head traumas, fractures, and potential spinal injuries. Responders must also handle the psychological impact on children and families present at the scene.

Patient 1: 12-year-old male

Injury Description: Head trauma, possible concussion.

Triage Color: Red

Current Presentation: Confused, headache, vomiting.

Vitals: BP 182/110, HR 30, RR 8.

Moulage: None required for concussion.

EMT Level Treatment: Cervical spine stabilization, treat for ICP

Paramedic Level Treatment: IV fluids, Hypertonic Saline, Intubation

Patient 2: 35-year-old female

Injury Description: Fractured lower leg with visible deformity.

Triage Color: Yellow¹

Current Presentation: Severe pain in the leg, swelling, unable to bear weight.

Vitals: BP 120/80, HR 90, RR 20.

Moulage: Simulated leg deformity.

EMT Level Treatment: Immobilization of the leg, pain assessment.

Paramedic Level Treatment: Splinting, IV pain medication, preparation for transport.

Patient 3: 45-year-old male

Injury Description: Spinal injury, no visible external wounds.

Triage Color: Yellow

Current Presentation: Back pain, numbness in legs, immobilized.

Vitals: BP 130/85, HR 85, RR 18.

Moulage: None required for spinal injury.

EMT Level Treatment: Cervical spine immobilization, backboard, neurological assessment.

Paramedic Level Treatment: IV access, detailed neurological assessment, transport with spinal precautions.

Patient 4: 16-year-old female

Injury Description: Panic attack, minor physical injuries.

Triage Color: Green

Current Presentation: Rapid breathing, feeling of faintness, minor cuts.

Vitals: BP 120/80, HR 100, RR 26.

Moulage: Minor cuts.

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EMT Level Treatment: Reassurance, assistance with controlled breathing, monitoring for injuries.
Paramedic Level Treatment: Evaluation for physical injuries, monitoring vitals, possible anxiolytic medication.

Patient 5: 8-year-old male

Injury Description: Broken arm and facial bruises.

Triage Color: Green

Current Presentation: Crying, visible deformity in right arm, minor facial injuries.

Vitals: BP 100/65, HR 130, RR 24.

Moulage: Makeup for facial bruises and a fake cast for the arm.

EMT Level Treatment: Splinting the arm, comforting the child, head-to-toe assessment.

Paramedic Level Treatment: Pain management, IV access, consideration for pediatric-specific trauma protocols for transport.

Patient 6: 26-year-old female

Injury Description: Lacerations and blunt abdominal trauma.

Triage Color: Green

Current Presentation: Alert, abdominal pain, bleeding from lacerations.

Vitals: BP 120/80, HR 90, RR 22.

Moulage: Multiple lacerations with fake blood.

EMT Level Treatment: Bleeding control, abdominal assessment, shock monitoring.

Paramedic Level Treatment: IV fluids, pain management, rapid transport for potential surgical intervention.

Patient 7: 50-year-old male

Injury Description: Chest pain and shortness of breath, history of heart disease.

Triage Color: Red

Current Presentation: Clutching chest, pale, sweating, short of breath.

Vitals: BP 160/100, HR 120, RR 34.

Moulage: Pale skin with simulated sweat.

EMT Level Treatment: Oxygen administration, aspirin, preparation for rapid transport.

Paramedic Level Treatment: ECG, nitroglycerin, IV access, continuous cardiac monitoring.

Patient 8: 20-year-old male

Injury Description: Shock and minor trauma from being thrown against ride interior.

Triage Color: Green

Current Presentation: Dizzy, disoriented, minor cuts and bruises.

Vitals: BP 110/70, HR 100, RR 22.

Moulage: Minor cuts and bruises.

EMT Level Treatment: Monitoring for signs of internal bleeding, reassurance, pain assessment.

Paramedic Level Treatment: IV fluids, thorough assessment for internal injuries, and transport for imaging.

Heatwave Leading to Mass Heatstroke: During an extreme heatwave, a large public event leads to multiple cases of heatstroke and dehydration, particularly among vulnerable populations like the elderly and young children. Paramedics face the challenge of rapid triage and treatment for heat-related illnesses, including managing electrolyte imbalances and dehydration.

Patient 1: 70-year-old male

Injury Description: Heatstroke, confusion, dizziness.

Triage Color: Red

Current Presentation: Disoriented, hot dry skin, lethargic.

Vitals: BP 90/60, HR 120, RR 30, high body temperature.

Moulage: Flushed, dry skin.

EMT Level Treatment: Immediate cooling measures, hydration if conscious, monitoring vital signs.

Paramedic Level Treatment: IV fluids, electrolyte management, active cooling techniques, and rapid transport.

Patient 2: 8-year-old female

Injury Description: Heat exhaustion, mild dehydration.

Triage Color: Green

Current Presentation: Fatigue, headache, nausea, sweating.

Vitals: BP 100/70, HR 100, RR 24, slightly elevated body temperature.

Moulage: Simulated sweat, pale skin.

EMT Level Treatment: Shade, oral rehydration, cooling with wet cloths.

Paramedic Level Treatment: Monitoring for progression to heatstroke, possible IV hydration.

Patient 3: 30-year-old male

Injury Description: Heatstroke, loss of consciousness.

Triage Color: Red

Current Presentation: Unconscious, hot dry skin, rapid shallow breathing.

Vitals: BP 80/50, HR 140, RR 32, high body temperature.

Moulage: Flushed, dry skin.

EMT Level Treatment: Immediate cooling measures, airway management, rapid transport preparation.

Paramedic Level Treatment: Advanced airway management if needed, IV fluids, active cooling, rapid transport.

Patient 4: 50-year-old female

Injury Description: Heat exhaustion, dizziness, sweating.

Triage Color: Yellow

Current Presentation: Dizzy, excessive sweating, muscle cramps.

Vitals: BP 110/80, HR 90, RR 20, slightly elevated body temperature.

Moulage: Simulated sweat.

EMT Level Treatment: Rest in a cool environment, oral rehydration, monitoring vital signs.

Paramedic Level Treatment: Evaluation for electrolyte imbalance, continued cooling, possible IV fluids.

Patient 5: 65-year-old female

Injury Description: Heatstroke, respiratory distress.

Triage Color: Red

Current Presentation: Difficulty breathing, confusion, hot dry skin.

Vitals: BP 85/60, HR 130, RR 32, high body temperature.

Moulage: Flushed, dry skin.

EMT Level Treatment: Oxygen administration, immediate cooling measures, rapid transport preparation.

Paramedic Level Treatment: Advanced airway management, IV fluids, active cooling, and transport.

Patient 6: 16-year-old male

Injury Description: Mild heat exhaustion, dehydration.

Triage Color: Green

Current Presentation: Thirsty, headache, fatigue.

Vitals: BP 120/80, HR 85, RR 18, slightly elevated body temperature.

Moulage: None required.

EMT Level Treatment: Oral rehydration, rest in a cool environment.

Paramedic Level Treatment: Monitoring for complications, possible IV hydration.

Patient 7: 4-year-old male

Injury Description: Heatstroke, lethargy, irritability.

Triage Color: Red

Current Presentation: Very lethargic, irritable, dry hot skin.

Vitals: BP 95/65, HR 150, RR 34, high body temperature.

Moulage: Flushed, dry skin.

EMT Level Treatment: Immediate cooling measures, hydration if conscious, rapid transport.

Paramedic Level Treatment: Pediatric-specific heatstroke management, IV fluids, rapid transport.

Patient 8: 40-year-old male

Injury Description: Syncope from heat exhaustion, dehydration.

Triage Color: Yellow

Current Presentation: Brief loss of consciousness, sweating profusely.

Vitals: BP 100/70, HR 110, RR 22, slightly elevated body temperature.

Moulage: Simulated sweat.

EMT Level Treatment: Lying down in a cool environment, oral rehydration.

Paramedic Level Treatment: Monitoring for any head injury due to syncope, continued cooling, possible IV fluids.

Nightclub Fire: A fire breaks out in a crowded nightclub with limited exits, leading to trampling injuries, burns, and smoke inhalation. The incident requires quick evacuation,

Patient 1: 23-year-old male

Injury Description: Severe smoke inhalation, unconscious.

Triage Color: Red

Current Presentation: Unresponsive, soot around mouth and nose, breathing difficulty.

Vitals: BP 90/50, HR 130, RR 30, SpO2 85%.

Moulage: Simulated soot around mouth and nose, makeup for cyanosis.

EMT Level Treatment: Airway management, high-flow oxygen, preparation for rapid transport.

Paramedic Level Treatment: Advanced airway management, IV fluids, transport for further care.

Patient 2: 20-year-old female

Injury Description: Trampling injuries, multiple contusions, and abrasions.

Triage Color: Green

Current Presentation: Bruising, pain in the chest and abdomen, shortness of breath.

Vitals: BP 110/70, HR 95, RR 24.

Moulage: Simulated bruises and scrapes.

EMT Level Treatment: Monitoring for internal injuries, oxygen administration, stabilization.

Paramedic Level Treatment: IV pain medication, preparation for transport, continuous monitoring for internal trauma.

Patient 3: 30-year-old male

Injury Description: Second-degree burns on arms and face.

Triage Color: Red

Current Presentation: Severe pain, blistering on skin, shock symptoms.

Vitals: BP 80/60, HR 120, RR 26.

Moulage: Simulated blisters and burns.

EMT Level Treatment: Covering burns with sterile dressings, shock management.

Paramedic Level Treatment: IV fluids, pain management, transport to a burn center.

Patient 4: 25-year-old female

Injury Description: Panic attack, minor scrapes.

Triage Color: Green

Current Presentation: Hyperventilating, chest tightness, minor cuts.

Vitals: BP 120/80, HR 110, RR 28.

Moulage: Minor scrapes.

EMT Level Treatment: Calming reassurance, wound care.

Paramedic Level Treatment: Evaluation for physical injuries, possible anxiolytic medication.

Patient 5: 35-year-old male

Injury Description: Mild smoke inhalation, coughing, and wheezing.

Triage Color: Green

Current Presentation: Coughing, difficulty breathing, mild wheezing.

Vitals: BP 130/85, HR 90, RR 22, SpO2 92%.

Moulage: None required.

EMT Level Treatment: Oxygen administration, monitoring for respiratory distress.

Paramedic Level Treatment: Nebulized bronchodilators, continuous monitoring.

Patient 6: 40-year-old male

Injury Description: Fractured ankle from falling debris, mild smoke inhalation.

Triage Color: Yellow

Current Presentation: Severe pain in the ankle, swelling, coughing.

Vitals: BP 120/80, HR 100, RR 20.

Moulage: Simulated ankle deformity and swelling.

EMT Level Treatment: Immobilization of the ankle, oxygen administration.

Paramedic Level Treatment: IV pain medication, assessment for further injuries, transport.

Patient 7: 50-year-old female

Injury Description: Cardiac chest pain, history of heart disease.

Triage Color: Red

Current Presentation: Chest pain, shortness of breath, sweating.

Vitals: BP 160/90, HR 110, RR 32.

Moulage: Simulated sweat.

EMT Level Treatment: Oxygen administration, aspirin, nitroglycerin if available.

Paramedic Level Treatment: ECG, IV access, continuous cardiac monitoring, transport.

Patient 8: 18-year-old male

Injury Description: Lacerations from broken glass, shock.

Triage Color: Green

Current Presentation: Bleeding from cuts, pale, in shock.

Vitals: BP 100/70, HR 120, RR 24.

Moulage: Simulated deep lacerations with fake blood.

EMT Level Treatment: Bleeding control, shock management.

Paramedic Level Treatment: IV fluids, wound care, pain management, transport for further treatment.