

SCENARIO
CATALOG

High School
and CTE

USA
edition

Academic Representative



Technology Education Concepts

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Introduction.

This Catalog of Scenarios is tailored specifically for High School and CTE programs. The use of virtual patient simulation in Body Interact's approach to teaching health sciences offers students a unique and hands-on learning experience, allowing them to consolidate classroom knowledge and get a taste of what it's like to work in the healthcare field.

The new scenarios are based on NCHSE's highly regarded National Health Science Standards - updated in 2022, and offer a cutting-edge approach to health sciences education that is educational, engaging and evidence-based.

164 scenarios

Difficulty levels.



Basic level

Student role

The goal of this level is for students to understand the patient's main condition through dialogues, vital signs, and physical examination. Success is achieved when the student identifies the main problem and calls for the appropriate medical specialty.



Intermediate level

Healthcare Assistant role

In this level, students receive further instruction on exams, interventions, or medications needed to treat the patient after calling for appropriate help. Success is achieved when students complete all assigned tasks.



Advanced level

Primary Provider role

In this level, students must independently diagnose the patient, request necessary tests, and perform interventions or administer basic medications without guidance.

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1.

Musculo- skeletal.

Scenario Catalog
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Patient with joint pain

#364
Basic

Victoria Adams | 36 years old | [Emergency Room](#)

Context

Ms. Adams was at home with her husband, when she decided she couldn't take the pain in her joints any longer and asked her husband to call for an ambulance.

General objective

Identify according to the dialogues with the patient possible arthritis.



Joint pain and fatigue

#429
Intermediate

Helen Morris | 32 years old | [Emergency Room](#)

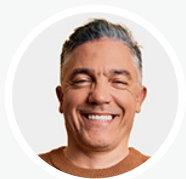
Context

Ms. Morris reports pain in the joints, specifically in the hands. She also mentions that the pain sometimes reduces with anti-inflammatory drugs, but lately, it has been harder to relieve.

General objective

Identify signs of arthritis.

Apply the correct treatment following specialist instructions.



Irreversible joint deformities

#430
Advanced

Aaron Cox | 40 years old | [Emergency Room](#)

Context

Mr. Cox goes to the emergency department due to pain in his hands and wrists, which started a few years ago and spread to his knees and ankles about two years ago. He reports that the pain has become more intense in recent days.

General objective

Identify and properly manage cystic rheumatoid arthritis.



Fall from stairs

#760
Basic

Chan Jackson | 75 years old | [Pre-Hospital](#)

Context

Mr. Jackson was playing hide and seek with his grandson at home while waiting for his parents to pick him up after school. When he was coming down the stairs, his foot slipped, and he fell off. He doesn't recall the event and is mildly confused. He has a past medical history of previous ischemic stroke.

General objective

Identify a possible concussion and wound in the head due to mild confusion.
Call for differentiated help - Emergency Medical Services.



Head concussion

#434
Intermediate

Lucy Addison | 23 years old | [Emergency Room](#)

Context

Miss Addison was competing in a karate tournament. While in the semi-final match, she was caught with a round-house kick to her head. She was wearing headgear and she did not get knocked down. Following the match, her parents noticed that she seemed very confused.

General objective

Identify a head trauma injury based on the patient's dialogues and symptoms.
Apply the correct treatment following specialist instructions.



Trauma brain injury after slipping on ice

#430
Advanced

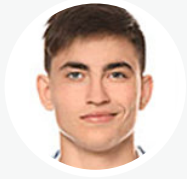
Olga Berry | 74 years old | [Emergency Room](#)

Context

Mrs. Berry was getting groceries when she slipped on ice outside the shop, hit her head, and lost consciousness. Her son called for an ambulance, and she was rushed to the hospital.

General objective

Identify a head trauma injury.
Perform hemodynamics stabilization.



Acute respiratory distress in muscular dystrophy

#387
Basic

Edwyn Gatsby | 22 years old | [Pre-Hospital](#)

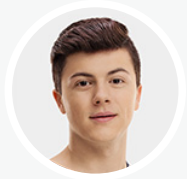
Context

Mr. Gatsby is a young adult who has just left his home. You witnessed him collapsing to the ground right now.

General objective

Identify acute respiratory distress in muscular dystrophy (MD).

Define that the patient needs emergency medical help, call the emergency number as quickly as possible, and inform them of the patient's medical history and regular medication.



Muscular dystrophy-associated dilated cardiomyopathy

#1114
Intermediate

Denis Briley | 20 years old | [Emergency Room](#)

Context

Mr. Briley felt ill today and was brought to the hospital.

General objective

Identify cardiac complications in the context of underlying muscular dystrophy.



Adrenal crisis with gastroenteritis in muscular dystrophy

#1115
Advanced

Dennis Manning | 23 years old | [Emergency Room](#)

Context

Mr. Manning, diagnosed with Duchenne muscular dystrophy at three years old, was transported to the hospital following a severe health crisis.

General objective

Identify critical adrenal insufficiency in a patient with gastroenteritis that has muscular dystrophy.

Apply the appropriate treatment.



Fall from the school roof

#771
Basic

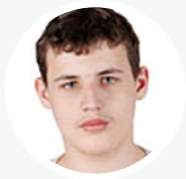
Jack Scott | 17 years old | [Pre-Hospital](#)

Context

Jack was trying to retrieve a ball from the school roof that had been kicked very high up. He lost his balance and had a fall from a height of approximately 20 feet to the ground. When his friend found him, he was very agitated and confused.

General objective

Identify the trauma injury.
Perform wound cleaning of the head.



Open fracture on the left arm

#525
Intermediate

Arthur Green | 28 years old | [Emergency Room](#)

Context

Mr. Green was participating in a rugby competition when, after a severe tackle, he sustained an injury to his left arm.

General objective

Identify signs of an open fracture.
Apply the correct treatment following specialist instructions.



Fractured neck of femur due to osteoporosis

#226
Advanced

Juan Candanoza | 81 years old | [Emergency Room](#)

Context

The patient's son brought him to the emergency room after he fell in the bathtub. He is complaining of severe pain in his left hip and thigh and is unable to stand on his own.

General objective

Manage a patient who has sustained a fracture at the neck of the femur.

2.

Integu- mentary.

Scenario Catalog
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Chest melanoma metastasized to the lungs

#1113
Basic

Megan Mercy | 75 years old | [Emergency Room](#)

Context

Ms. Mercy has been having a rough couple of weeks. She has had respiratory difficulties that worsened sharply today, prompting her transportation to the Emergency Department.

General objective

Identify respiratory symptoms and the asymmetric pigmented skin lesion and associate them with the risk of melanoma.



Melanoma after long periods of sun exposure

#699
Intermediate

Lara Vásquez | 32 years old | [Emergency Room](#)

Context

Ms. Vásquez began to experience abdominal pain, bloating, and changes in her bowel movements.

General objective

Recognize signs of melanoma and its metastases through clinical complaints and physical examination. Apply the correct treatment following specialist instructions.



Metastatic melanoma managed in the oncology ward

#1123
Advanced

Lars Henriksson | 68 years old | [Emergency Room](#)

Context

Mr. Henriksson has a history of melanoma and has undergone surgery to remove the tumor. However, the melanoma metastasized at some point, and he began to experience symptoms such as fatigue, weight loss, loss of appetite, and pain or discomfort in the affected areas.

General objective

Identify adverse effects of oncological treatment through clinical complaints, physical examination, and complementary tests.

Apply the correct treatment.



Stage III pressure ulcer on sacrum

#421
Basic

Irene Randall | 80 years old | [Emergency Room](#)

Context

Mrs. Randall was admitted to the infirmary yesterday from a nursing home. She has a history of diabetes and hypertension.

General objective

Identify, according to the dialogues with the patient, the infected wound.



Sternotomy scar

#422
Intermediate

Logan Chaney | 68 years old | [Emergency Room](#)

Context

Mr. Chaney had aortic stenosis treated with an aortic valve replacement 2 weeks ago. Today, he is not feeling very well and decided to go to the Emergency Department.

General objective

Identify the wound and search for signs of infection.
Apply the correct treatment following specialist instructions.



Head wound

#423
Advanced

Kyan Pace | 24 years old | [Emergency Room](#)

Context

Mr. Pace decided to try out a friend's motorcycle just for a few minutes. He refused to wear his helmet because it would only be a ride around the block.

General objective

Identify a head wound through clinical complaints, physical examination, and complementary tests.
Apply the correct treatment.

3.

Cardio-vascular.

Scenario Catalog
High School and CTE



Male patient with hypertension

#385
Basic

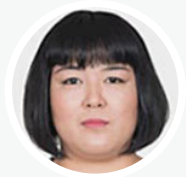
William Stuart | 57 years old | [Emergency Room](#)

Context

After a stressful episode at home, Mr. Stuart felt dizziness and headache. He called his son, who decided to call for an ambulance.

General objective

Identify hypertension according to the patient assessment.



Hypertensive crisis with a headache

#1120
Intermediate

Mari Nakano | 35 years old | [Emergency Room](#)

Context

Ms. Nakano has struggled with her weight for several years and has recently been diagnosed with type 2 diabetes. One day at work, she suddenly stumbles and falls. Her colleagues notice that she is disoriented and call for an ambulance.

General objective

Recognize signs of a hypertensive crisis.
Call for differentiated help and follow their instructions.



Persistent high blood pressure

#227
Advanced

Sunny Clifford | 35 years old | [Emergency Room](#)

Context

Ms. Sunny earlier today experienced squeezing pressure in her chest, along with pain radiating down her right arm and a pounding sensation in her throat.

General objective

Manage a patient with high blood pressure.



Possible acute coronary syndrome

#761
Basic

Helen Bennett | 52 years old | [Pre-Hospital](#)

Context

Ms Bennett was preparing the lunch when she started feeling discomfort in the center of the chest. When the pain started she thought about calling the medical emergency, but then sat down and waited for her son to arrive. He always comes home for lunch and it's time for him to arrive.

General objective

Identify signs and symptoms of a possible acute coronary syndrome.
Call for differentiated help - Emergency Medical Services.



Myocardial infarction with chest pain

#1118
Intermediate

Ade Afolabi | 70 years old | [Emergency Room](#)

Context

Mr. Afolabi was playing chess with his friends at the park when he suddenly said he felt very ill while gripping his chest. His companions promptly called for an ambulance and got him to the hospital.

General objective

Identify and characterize chest pain through a clinical interview.
Call for differentiated help and follow their instructions.



ST elevation myocardial infarction with tight chest pain

#1119
Advanced

Joan Durant | 74 years old | [Emergency Room](#)

Context

Ms. Durant, while receiving visits from her family, suddenly felt a tight pain in her chest. Her loved ones acted quickly and called an ambulance.

General objective

Diagnose ST-elevation myocardial infarction through vital signs monitoring, physical exam, and complementary diagnostic tests.
Perform the appropriate treatment promptly to stabilize the patient.



Acute infective endocarditis

#407
Basic

Jerry Norris | 35 years old | [Emergency Room](#)

Context

Mr. Norris presents symptoms of chills, decreased appetite, fever, and fatigue, so he decided to go to the emergency room.

General objective

Identify, according to the dialogues with the patient, possible endocarditis.



Infective endocarditis

#1121
Intermediate

Shirley Seward | 62 years old | [Emergency Room](#)

Context

Ms. Seward, after enduring a prolonged period of illness that negatively impacted her quality of life, experienced a sudden deterioration and was rushed to the Emergency Department.

General objective

Recognize signs of infective endocarditis through clinical complaints and physical examination. Apply the correct treatment following specialist instructions.



Endocarditis and mitral stenosis

#225
Advanced

Maria Puente | 17 years old | [Emergency Room](#)

Context

Maria was admitted to the Pediatric unit due to high fever. She and her family recently moved to the U.S. from Puerto Rico. History of rheumatic fever at age 6.

General objective

Recognizing signs and symptoms of endocarditis and mitral stenosis and apply the correct treatment.

4.

Immune Infectious disease.

Scenario Catalog
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Anaphylaxis after ingestion of a food with antigen as an ingredient

#1110
Basic

Karanbir Kumar | 31 years old | [Emergency Room](#)

Context

Mr. Kumar was at a party with friends. Suddenly, he started to feel difficulty breathing and was rushed to the hospital.

General objective

Identify an anaphylactic reaction.



Angioedema after eating seafood

#420
Intermediate

Sylvia Ford | 61 years old | [Emergency Room](#)

Context

Mrs. Ford was at a company lunch with her team at a seafood restaurant. After the food entrees, she experienced sinus pressure, numbness and tingling in the mouth, and swelling of the face, lips, and tongue.

General objective

Identify signs and symptoms of an anaphylactic reaction.

Apply the correct treatment following specialist instructions.



Anaphylaxis after penicillin administration

#425
Advanced

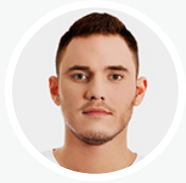
Anthony Durant | 22 years old | [Emergency Room](#)

Context

Mr. Durant has an asthma history. Five days ago, he started feeling weak, with a fever, cough, and sweating. His condition has been worsening, and he went to the Emergency Department. A chest infection was confirmed and he has been prescribed a full course of amoxicillin.

General objective

Identify an anaphylaxis reaction through clinical complaints, physical examination, and complementary tests. Apply the correct treatment.



Patient without up-to-date tetanus vaccine

#411
Basic

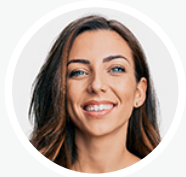
Paul Ramirez | 22 years old | [Emergency Room](#)

Context

Mr. Ramirez was in a bicycle race when he fell and got a concussion on his forehead.

General objective

Identify, according to the dialogues with the patient, that he does not have an up-to-date tetanus vaccine.



Hypotension after infectious diseases immunization

#919
Intermediate

Hailie Tyler | 28 years old | [Emergency Room](#)

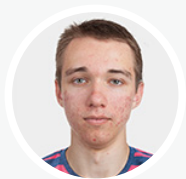
Context

Ms. Tyler went to the traveler's appointment since she will start a new job in Angola. For this trip, she had to get vaccinated against infectious diseases.

General objective

Identify hypotension after vaccination.

Apply the correct treatment following specialist instructions.



Respiratory distress after tetanus vaccination

#920
Advanced

Philip Mullen | 19 years old | [Emergency Room](#)

Context

Mr. Mullen went to the health center to get the tetanus vaccine for the first time. His parents were against vaccination, so he had never been vaccinated.

General objective

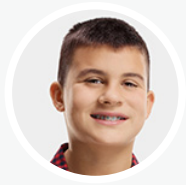
Identify respiratory distress through clinical complaints, physical examination, and complementary tests.

Apply the correct treatment.

5.

Respiratory.

Scenario Catalog
High School and CTE



Asthma crisis

#769
Basic

Elijah Wood | 16 years old | [Pre-Hospital](#)

Context

Elijah has had asthma and seasonal allergies since he was a little kid. Today he was playing football at school at started developing shortness of breath.

General objective

Identify the classic signs and symptoms of asthma.



Wheeze and chest tightness in patient with asthma

#565
Intermediate

Liz Barker | 45 years old | [Emergency Room](#)

Context

Ms. Barker reported coughing daily, wheezing, and chest tightness occurring once a week. She denied nighttime awakenings from asthma. She took her albuterol about three to four times a day. Today she refers she started with difficulty breathing.

General objective

Identify signs of asthma crisis.
Apply the correct treatment following specialist instructions.



Mildly persistant asthma

#224
Advanced

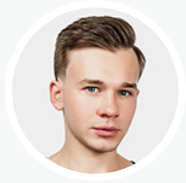
Carlos Rivera | 37 years old | [Emergency Room](#)

Context

Carlos was admitted to the ER with audible wheezing on expiration and difficulty breathing. He Took pre-scribed medications but they did not help.

General objective

Recognize mild persistent asthma signs and symptoms and apply the correct treatment.



Cystic fibrosis

#473
Basic

Paul Norman | 18 years old | [Emergency Room](#)

Context

Mr. Norman has been feeling unwell with a productive cough with mucus, pain in breathing with shortness of breath, and a fever, so he went to the emergency department.

General objective

Identify, according to the dialogues and the patient's symptoms, possible cystic fibrosis.



Cystic fibrosis with lung infection

#750
Intermediate

Ravi Patil | 40 years old | [Emergency Room](#)

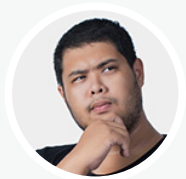
Context

Mr. Patil has a history of cystic fibrosis since birth and has been managing his symptoms throughout his life. However, one day, he becomes seriously ill.

General objective

Recognize signs of lung infection in the context of cystic fibrosis through clinical complaints and physical examination.

Apply the correct treatment following specialist instructions.



Cystic fibrosis with acute respiratory symptoms

#1126
Advanced

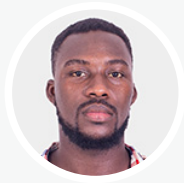
Lucio Reyes | 28 years old | [Emergency Room](#)

Context

Mr. Reyes, due to his cystic fibrosis, has suffered recurrent lung infections. One day he woke up with shortness of breath, wheezing, and intense bouts of cough. He called the emergency number and was rushed to the hospital.

General objective

Identify cystic fibrosis through clinical complaints, physical examination, and complementary tests.
Apply the correct treatment.



Patient with cough with sputum and presence of blood

#402
Basic

Brandon Reyes | 34 years old | [Emergency Room](#)

Context

Mr. Reyes has had a cough with sputum and the presence of blood for the past week, accompanied by easy fatigue, loss of appetite, and fever in the evening.

General objective

Identify, according to the dialogues with the patient, possible tuberculosis.
Perform adequate infection control measures for suspected tuberculosis.



Productive cough and haemoptysis

#566
Intermediate

John Jones | 63 years old | [Emergency Room](#)

Context

Mr. Jones has had a productive cough with hemoptysis for the past 3 days. He also reports waking up in the middle of the night "drenched in sweat" for the past few weeks.

General objective

Identify signs of tuberculosis.
Apply the correct treatment following specialist instructions.



Pulmonary tuberculosis

#567
Advanced

Michael Patel | 31 years old | [Emergency Room](#)

Context

Mr. Patel has had a cough that is accompanied by easy fatigue, loss of appetite, and fever in the evening for the past week.

General objective

Identify pulmonary tuberculosis through clinical complaints, physical examination, and complementary tests.
Apply the correct treatment.



Shortness of breath in patient with lung cancer

#745
Basic

Mulan Wang | 68 years old | [Emergency Room](#)

Context

Mr. Wang comes to the emergency department with complaints of shortness of breath, easy fatigue, and general malaise with an onset one week ago.

General objective

Identify dyspnea, according to the dialogues with the patient and evaluation of the patient's vital signs.



Dyspnea associated with pulmonary edema

#1122
Intermediate

Simon Parkins | 36 years old | [Emergency Room](#)

Context

Mr. Parkins has never felt so ill. Over the past few weeks, he has been increasingly short of breath until he reached the point of calling for an ambulance.

General objective

Recognize signs of dyspnea associated with pulmonary edema through clinical complaints and physical examination.

Apply the correct treatment following specialist instructions.



Dyspnea associated with severe pneumonia

#696
Advanced

Joaquin Aguilar | 37 years old | [Emergency Room](#)

Context

Mr. Aguilar, who is a generally healthy individual, has been feeling ill for a few days. Then, one evening, he suddenly experiences severe shortness of breath and feels as if he can't catch his breath. His wife calls an ambulance, and he is rushed to the emergency department.

General objective

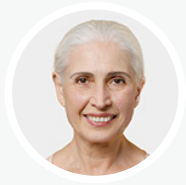
Identify pneumonia-associated dyspnea through clinical complaints, physical examination, and complementary tests.

Apply the correct treatment.

6.

Nervous.

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High School and CTE



Patient with memory loss for a year

#416
Basic

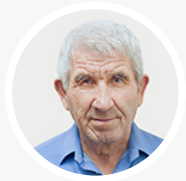
Evelyn Richardson | 72 years old | [Emergency Room](#)

Context

Mrs. Richardson lives with her husband. Her sons usually visit twice a year since they live in another country. During their last visit, they noticed that their mother sometimes forgets appointments and recent conversations, which were clearly not present one year ago. They talked to the father and advised him to take the mother to an emergency room if she continued like this or if her condition worsened.

General objective

Identify through the dialogues with the patient and her husband that she may be developing dementia - Alzheimer's.



Arm pain after a fall

#946
Intermediate

Christopher Clark | 85 years old | [Emergency Room](#)

Context

Mr. Clark has been diagnosed with Alzheimer's ten years ago and has been decreasing his cognitive status. A few hours ago, his wife was cooking in the kitchen while he was in the living room watching TV. After a while, he suddenly screamed and his wife rushed to the living room and found him on the floor.

General objective

Identify arm injury due to dementia.
Apply the correct treatment following specialist instructions.



Urinary tract infection in dementia

#947
Advanced

Amelia Líu | 68 years old | [Emergency Room](#)

Context

Mrs. Líu was diagnosed with early dementia 5 years ago. Last year, she had a stroke that left her with significant limb weakness and dysphagia, using now a nasogastric tube. Her family decided to have a full-time caregiver during the daytime for her daily routine activities.

General objective

Identify signs of urinary tract infection in a patient with dementia.
Apply the correct treatment following specialist instructions.



Acute hemorrhagic stroke with compromised consciousness

#1109
Basic

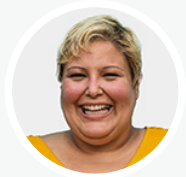
Wilfred Finch | 58 years old | [Emergency Room](#)

Context

Mr. Finch has been brought to the Emergency Department due to an apparently sudden loss of consciousness.

General objective

Identify signs and symptoms of consciousness state changes.



Body impairment after getting up from bed

#694
Intermediate

Charlotte Watson | 40 years old | [Emergency Room](#)

Context

Mrs. Watson collapsed after trying to get up from bed at 8 am. Her boyfriend noticed that she could not talk or move her right side of the body and called an ambulance. She had gone to bed at 10 pm and spoke with him at this time.

General objective

Identify signs and symptoms of acute ischemic stroke.
Apply the correct treatment following specialist instructions.



Ischemic left stroke with arrhythmia

#695
Advanced

Ada King | 68 years old | [Emergency Room](#)

Context

While having dinner at home, Mrs. King suddenly experienced difficulty in talking and moving her right arm. She has a medical history of atrial fibrillation, heart failure, and hypothyroidism.

General objective

Identify acute stroke through clinical complaints, physical examination, and complementary tests.
Apply the correct treatment.



Seizures at the office

#417
Basic

Sonia Shelly | 32 years old | [Emergency Room](#)

Context

Mrs. Shelly is a real estate agent and was working today at the office. She suddenly became very quiet and stopped talking with her co-workers.

General objective

Recognize the classic signs and symptoms of a seizure.
Identify the seizure duration, and type and minimize adverse events.



Seizures

#639
Intermediate

Eric Huang | 21 years old | [Emergency Room](#)

Context

Mr. Huang was walking at a shopping mall with his friends when he fell ill with a terrible headache and blurred vision. He stopped talking and lost consciousness. He has a history of febrile seizures and asthma as a child.

General objective

Identify signs of seizure activity.
Apply the correct treatment following specialist instructions.



Status epilepticus after a night out

#640
Advanced

Jane Rodriguez | 20 years old | [Emergency Room](#)

Context

Miss Rodriguez went out with friends for an opening night at a disco bar. Later at night, she was found on the floor shaking at the disco. Her friends called for an ambulance immediately. When Emergency Medical Services arrived, her friends said it happened again for the second time and lasted longer than five minutes.

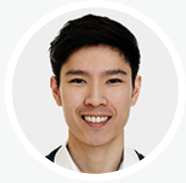
General objective

Identify status epilepticus through clinical complaints, physical examination, and complementary tests.
Apply the correct treatment.

7.

Endocrine.

Scenario Catalog
High School and CTE



Teenager with symptoms of hyperglycemia

#410
Basic

Peter Daniells | 17 years old | [Pre-Hospital](#)

Context

Peter was at home with his mother, when he told her that he wasn't feeling very well for a few days.

General objective

Identify, according to the dialogues with the patient, possible hyperglycemia.



Managing diabetic ketoacidosis symptoms

#433
Intermediate

George Brown | 20 years old | [Emergency Room](#)

Context

Mr. Brown arrives at the emergency room and reports that he feels more tired with increased polyuria, and polydipsia.

General objective

Identify, according to the dialogues with the patient and complementary exams, a ketoacidosis diabetic. Apply appropriate treatment for ketoacidosis diabetes.



Hypoglycemia in a patient with type 2 diabetes

#436
Advanced

Yin Zhang | 45 years old | [Emergency Room](#)

Context

Mr. Zhang was found collapsed in his house by his wife. She mentions that he has been working for hours on end to be able to deliver a project he is involved in his company. She also mentions that he has not been eating well and that he skips meals. He has a past medical history of thyroid cancer.

General objective

Identify, according to the dialogues with the patient, possible hyperglycemia. Apply appropriate treatment for a patient with hypoglycemia after calling for differentiated help.



Suspected Addisonian crisis

#1108
Basic

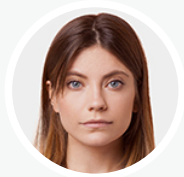
Mary Anderson | 39 years old | [Emergency Room](#)

Context

Ms. Anderson woke up tired and achy, and when standing up, she felt lightheaded. Shortly after, she felt anxious and had trouble focusing. Then, suddenly, due to dizziness and nausea, she only felt better while sitting down and called for an ambulance.

General objective

Recognize how autoimmune diseases are a risk factor for Addison's disease.
Identify the first presentation of Addison's disease in the form of an Addisonian crisis.



Addisonian crisis with hypotension, vomiting, and dehydration

#799
Intermediate

Irina Eriksen | 27 years old | [Emergency Room](#)

Context

Ms. Eriksen has been experiencing fatigue, weight loss, nausea, and vomiting for several weeks. She also notices that her skin has become darker, especially her face. Then, one day she becomes increasingly ill and begins to experience a medical emergency. Her blood pressure drops, and she develops an irregular heart rate. She may also experience vomiting, abdominal pain, and dehydration.

General objective

Recognize signs of an Addisonian crisis through clinical complaints and physical examination.
Apply the correct treatment following specialist instructions.



Addisonian crisis with weight loss and lethargy

#1124
Advanced

Ada King | 68 years old | [Emergency Room](#)

Context

Ms. Okoye had been to the hospital four months ago due to persistent vomiting and weight loss with a 3-month duration. She was diagnosed with gastritis and treated with a proton pump inhibitor (a drug that lowers stomach acid production) and fluids. Then she was discharged on an antiemetic (a drug that reduces nausea and vomiting). However, today she is back at the hospital.

General objective

Identify an Addisonian crisis through clinical complaints, physical examination, and complementary tests.
Apply the correct treatment.

8.

Digestive.

Scenario Catalog
High School and CTE



Acute gastric ulcer with hematemesis

#1107
Basic

Ema Kimura | 61 years old | [Emergency Room](#)

Context

Ms. Kimura has been feeling ill for the past couple of weeks, and when her symptoms suddenly became more severe, she went to the hospital.

General objective

Identify a bleeding gastric ulcer through clinical complaints and physical examination.
Recognize the risk factors for upper gastrointestinal bleeding.



Gastric ulcer with hematemesis

#437
Intermediate

Philip Johnson | 28 years old | [Emergency Room](#)

Context

Mr. Johnson has been feeling unwell for the last couple of weeks. He has been very stressed with his company's project with tight deadlines.

General objective

Identify upper gastrointestinal bleeding through clinical complaints, physical examination, and complementary tests.
Identify risk factors for upper gastrointestinal bleeding.



Bleeding peptic ulcer

#438
Advanced

Margot Robinson | 83 years old | [Emergency Room](#)

Context

Mrs. Robinson has had two months of burning pain in the epigastric region of her abdomen. This morning, her pain worsened after taking medication and drinking coffee, so she decided to seek help.

General objective

Identify upper gastrointestinal bleeding through clinical complaints, physical examination, and complementary tests.
Apply the correct treatment.

#1106
Basic

Acute viral hepatitis associated with travel to the tropics

Anthony Adebayo | 32 years old | [Emergency Room](#)

Context

Mr. Adebayo, following several weeks of malaise, suddenly felt worse and was rushed to the Emergency Department.

General objective

Identify signs and symptoms related to acute viral hepatitis.

#697
Intermediate

Acute hepatitis associated with alcohol abuse

David Wattana | 35 years old | [Emergency Room](#)

Context

Mr. Wattana, although he has no known medical conditions, woke up one morning feeling extremely tired and nauseous and noticed that his urine was dark in color and his skin and eyes appeared yellowish. Recognizing that something is seriously wrong, he goes to the emergency department of his local hospital.

General objective

Recognize signs of acute hepatitis through clinical complaints and physical examination. Apply the correct treatment following specialist instructions.

#698
Advanced

Hepatitis due to a hepatic viral infection

Sefu Kamau | 32 years old | [Emergency Room](#)

Context

Mr. Kamau has been feeling a general malaise for several weeks. One day, he suddenly becomes very ill, with severe abdominal pain, and unable to keep food or fluids down, and feels extremely weak and dizzy. His family members call an ambulance, and he is rushed to the emergency department.

General objective

Identify viral hepatitis through clinical complaints, physical examination, and complementary tests. Apply the correct treatment.



Boy felt indisposed at school

#764
Basic

Oliver Solberg | 16 years old | [Pre-Hospital](#)

Context

Oliver was playing outside the school after lunch when he suddenly felt nauseous and started having abdominal pain and cramps, which led him to fall in the school backyard.

General objective

Identify the signs and symptoms of food poisoning associated with dehydration, through history-taking and patient's complaints.



Food poisoning

#518
Intermediate

Gabriel Davies | 39 years old | [Emergency Room](#)

Context

Mr. Davies was brought to the Emergency Department due to abdominal pain, diarrhea, and nausea in the last 2 days.

General objective

Identify and manage signs and symptoms of food poisoning.



Acute gastroenteritis

#522
Advanced

Harry King | 32 years old | [Emergency Room](#)

Context

Mr. King attends the Emergency Room with a four-day history of vomits, nausea, diarrhea, and abdominal cramps. Today he refers he isn't getting better.

General objective

Identify the signs and symptoms of gastroenteritis.



Acute appendicitis

#1105
Basic

Sarah Holland | 35 years old | [Emergency Room](#)

Context

Ms. Holland has been feeling unwell with abdominal pain, and two episodes of clear vomiting, so her boyfriend took her to the emergency department.

General objective

Identify, according to the dialogues with the patient, possible appendicitis.



Suspected appendicitis

#568
Intermediate

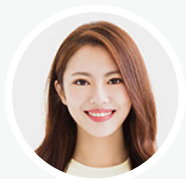
Eva Smith | 25 years old | [Emergency Room](#)

Context

Ms. White has been healthy until yesterday. She started with abdominal pain described as being colicky in the beginning but getting worse, and now she describes it as constant and sharp. She also reports a recent loss of appetite and two episodes of clear vomiting.

General objective

Identify signs of appendicitis.
Apply the correct treatment following specialist instructions.



Appendicitis with abdominal pain and tenderness

#569
Advanced

Brooke Adams | 29 years old | [Emergency Room](#)

Context

Mrs. Adams has been feeling unwell. She reports abdominal pain, a recent loss of appetite and weight, and four episodes of clear vomiting.

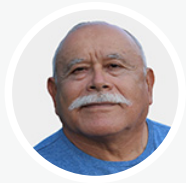
General objective

Identify acute appendicitis through clinical complaints, physical examination, and complementary tests.
Apply the correct treatment.

9.

Urinary.

Scenario Catalog
High School and CTE



Urinary tract infection in elderly patient

#415
Basic

Joseph White | 65 years old | [Emergency Room](#)

Context

Mr. White has been frequently to the toilet, feeling a persistent urge to urinate. His daughter brought him to the emergency room.

General objective

Identify, according to the dialogues and the patient's symptoms, possible acute urinary infection.



Acute cystitis

#1116
Intermediate

Miah Wagner | 20 years old | [Emergency Room](#)

Context

Ms. Wagner started with complaints of burning and pain when urinating.

General objective

Identify, according to dialogues with the patient, the need to call for differentiated help to get indications about which exams need to be done.



Urinary retention

#1117
Advanced

Simon McCarty | 78 years old | [Emergency Room](#)

Context

Mr. McCarty is hypertensive and was diagnosed with prostate cancer two years ago. Currently, he is experiencing abdominal discomfort and distension, along with difficulty emptying his bladder.

General objective

Identify and apply the correct treatment for urinary retention.



Renal failure with complaints of malaise and tiredness

#1112
Basic

Michaela Antonis | 86 years old | [Emergency Room](#)

Context

Ms. Antonis arrived in the emergency room with complaints of malaise and tiredness. She has also had peripheral and sub-palpebral edema since one month ago.

General objective

Identify chronic renal failure in an infectious setting (through clinical examination and interrogation).
Call for differentiated help - Nephrology.



Renal failure due to poorly managed diabetes and hypertension

#800
Intermediate

Valentina Andreev | 77 years old | [Emergency Room](#)

Context

Ms. Andreev is a woman enjoying her retirement. However, she has diabetes and hypertension and has struggled to manage these chronic conditions. She has not been consistently monitoring her blood glucose and blood pressure levels or following up regularly with her primary care physician.

General objective

Recognize signs of renal failure through clinical complaints and physical examination.
Apply the correct treatment following specialist instructions.



Renal failure associated with long periods of high protein intake

#1125
Advanced

Josef Bernard | 43 years old | [Emergency Room](#)

Context

Mr. Bernard considers that he follows a healthy lifestyle by regularly going to the gym and practicing bodybuilding. However, lately, he has been quick to fatigue, and one day, he felt an intense throbbing headache. He checked his blood pressure and was startled by how high it was, so he made his way quickly to the nearest hospital's Emergency Department.

General objective

Identify renal failure through clinical complaints, physical examination, and complementary tests.
Apply the correct treatment.

10.

Reproductive Pregnancy.

Scenario Catalog
High School and CTE



Ectopic pregnancy

#419
Basic

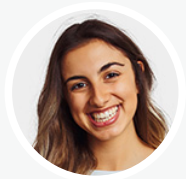
Stephany Clifford | 20 years old | [Emergency Room](#)

Context

Ms. Clifford was at home with her boyfriend when she started with intense abdominal pain accompanied by vaginal bleeding.

General objective

Identify according to the dialogues with the patient that she probably has an ectopic pregnancy.



Rupture of membranes

#431
Intermediate

Priscilla Benton | 29 years old | [Emergency Room](#)

Context

Mrs. Benton is 34 weeks pregnant with her first child. Her pregnancy has been uneventful but today she come to the obstetrics Emergency Department because she thinks that she is in labor. Her waters have broken.

General objective

Identify, according to dialogues with the patient, the need to call for differentiated help to get indications about which exams need to be done.



Umbilical cord emergency

#432
Advanced

Naomi Howe | 40 years old | [Emergency Room](#)

Context

Mrs. Howe is a 40-year-old woman, G-3 P-2, who is 39 weeks pregnant. She is excited to have another baby but has been concerned about this pregnancy. Her previous two pregnancies were healthy, without incident, resulting in the vaginal births of a boy and then a girl.

General objective

Identify umbilical cord prolapse secondary to spontaneous rupture of membranes.

11.

Mental health.

Scenario Catalog
High School and CTE



Anxiety crisis

#474
Basic

Erika Reid | 35 years old | [Emergency Room](#)

Context

Ms. Reid has been unemployed for about 2 months and knew she was going to be a mother. She came to the emergency department with complaints of palpitations and shortness of breath.

General objective

Identify possible anxiety crises, according to the dialogues and the patient's symptoms.



Anxiety crisis in depression

#921
Intermediate

Carissa Beck | 42 years old | [Emergency Room](#)

Context

Mrs. Beck has no significant past medical history, although she frequently makes appointments with her GP and practice nurse about problems experienced by her and her children. She was moderately depressed following her divorce five years ago and was offered antidepressants but declined them.

General objective

Identify anxiety disorder with panic attacks.
Apply the correct treatment following specialist instructions.



Anxiety disorder with chest pain

#1043
Advanced

Angelica Lowery | 50 years old | [Emergency Room](#)

Context

Mrs. Lowery lives with her husband and two children. She has a history of generalized anxiety disorder for the past 30 years. When she was 23 she took an overdose following the break-up of a relationship.

General objective

Identify chest pain through clinical complaints, physical examination, and complementary tests.
Apply the correct treatment.



Bipolar disorder with behavioral changes

#749
Basic

Alicia Perry | 23 years old | [Emergency Room](#)

Context

Ms. Perry was advised by her mother to go to the emergency room due to depressive symptoms.

General objective

According to the dialogues and the patient's symptoms, identify the possible bipolar disorder.



Bipolar disorder with mania episode

#948
Intermediate

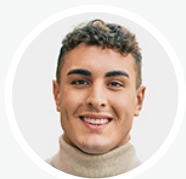
Benjamin Patterson | 27 years old | [Emergency Room](#)

Context

Mr. Patterson was brought back to the ER after being admitted to a psychiatric facility due to concerns about his behavior. The charge nurse from the facility reported that he had not slept at all, was constantly talking, had a flight of ideas, and also refused to participate in group activities.

General objective

Identify signs of bipolar disorder with a manic episode.
Apply the correct treatment following specialist instructions.



Bipolar disorder with alcohol abuse

#949
Advanced

Jason Miller | 18 years old | [Emergency Room](#)

Context

Mr. Miller, previously diagnosed with bipolar disorder, is brought by his best friend to the Emergency Department. The best friend reports that "he is completely wild," and during their holidays he stopped taking his medication and has been drinking alcohol.

General objective

Identify a bipolar disorder manic episode through clinical complaints, and exclusion of non-psychiatric causes.
Apply the correct treatment - admit to inward.



Depressive Disorder

#418
Basic

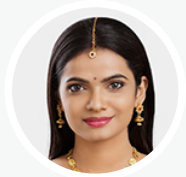
Abhay Agarwall | 48 years old | [Emergency Room](#)

Context

Mr. Agarwall has been unemployed for about 4 months. He is married with 4 children and his wife is expecting their 5th child. This week he received a letter informing him that they will be evicted next month if they do not pay the debts they have accumulated.

General objective

Identify according to the dialogues with the patient and his wife that he may have a depressive syndrome.



Postpartum depression

#570
Intermediate

Akayla MacPherson | 30 years old | [Emergency Room](#)

Context

Mrs. MacPherson began to exhibit unusual behavior a month after the birth. She became reclusive and stopped speaking to anyone at home, losing interest in her daily activities and ceasing to care for her children. Today her husband decided to bring her to the emergency department.

General objective

Identify signs of postpartum depression.
Apply the correct treatment following specialist instructions.



Depressive episode

#571
Advanced

Amelia Sinclair | 46 years old | [Emergency Room](#)

Context

General objective

Identify depressive episode through clinical complaints, physical examination, and complementary tests.
Apply the correct treatment.

12.

First aid.

Scenario Catalog
High School and CTE



Hypoglycemia while tutoring the student

#757
Basic

Liz Johnson | 30 years old | [Pre-Hospital](#)

Context

Ms. Johnson was tutoring Francisco in mathematics when she suddenly started feeling sick.

General objective

Identify and manage hypoglycemia.

Call for differentiated help - Emergency Medical Services.



Seizure

#758
Basic

Chantelle Whitney | 17 years old | [Pre-Hospital](#)

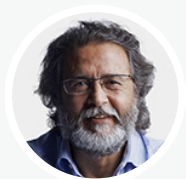
Context

Chantelle was at a friend's house after school waiting for her mother to pick her up. She suddenly stopped talking and her eyes were gazing.

General objective

Identify seizure activity.

Call for differentiated help - Emergency Medical Services.



Short-term left ischemic embolic stroke

#759
Basic

Ethan Owens | 60 years old | [Pre-Hospital](#)

Context

Mr. Owens was at home with his wife. He is an assistant in the local school. When his grandson arrived, he noticed that Mr. Owens wasn't ok.

General objective

Identify a stroke through the patient's signs and symptoms and FAST test (face drooping, arm weakness, speech difficulties, and time to call).

Call for differentiated help - Emergency Medical Services.



Anaphylactic shock due to nut allergy

#762
Basic

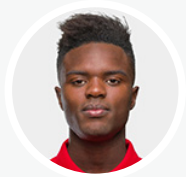
Paul Smith | 18 years old | [Pre-Hospital](#)

Context

Paul was talking with his colleagues at the school gate when he started with shortness of breath after having lunch with his friends. During lunch, he tasted food from a friend.

General objective

Identify the signs and symptoms of anaphylactic shock.
Call for differentiated help - Emergency Medical Services.



Right ankle sprain

#763
Basic

Jamal Duff | 17 years old | [Pre-Hospital](#)

Context

Jamal was playing basketball outside the school, but suddenly landed badly on his right foot, and fell to the ground.

General objective

Identify a possible dislocation of the right ankle.
Call for differentiated help - Emergency Medical Services.



Right knee sprain

#765
Basic

Morgan Smith | 17 years old | [Pre-Hospital](#)

Context

Morgan was on a break with his friends when they decided to bet that Morgan would be able to climb the tree.

General objective

Perform wound cleaning and treat the wound properly.
Call for differentiated help - Emergency Medical Services.



First-degree burn

#766
Basic

Amelia Abbott | 46 years old | [Pre-Hospital](#)

Context

Ms. Abbot is a cook at the school and was making student's lunch when she accidentally spilled a pot of hot water. Being nervous and in pain, she came out into the street.

General objective

Identify a burn and apply wet compresses.
Call for differentiated help - Emergency Medical Services.



Anaphylactic reaction due to a wasp sting

#767
Basic

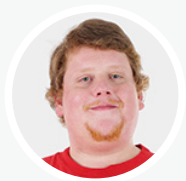
Lucy Liu | 27 years old | [Pre-Hospital](#)

Context

Miss Liu was at school watching the kids playing outdoors. One kid was playing on a tree and, suddenly, a wasp nest fell.

General objective

Identify signs and symptoms of anaphylactic reaction due to a wasp sting.



Cardiac arrest

#768
Basic

Kevin Ferri | 35 years old | [Pre-Hospital](#)

Context

Mr. Ferri is a full-time gardener at the school. Last month he was hospitalized for chest pain and was diagnosed with acute myocarditis. He also has a personal history of chronic asthma.

General objective

Identify a cardiac arrest and correctly apply basic life support maneuvers.
Call for differentiated help - Emergency Medical Services.



Recovery position due to drug intoxication

#770
Basic

Anne Price | 17 years old | Pre-Hospital

Context

Anne is a student and has been feeling a lot of pressure with the exams coming up next week. Today she told her friend that last dawn she took some pills to have more energy to study.

General objective

Identify the need to place a patient in a safe lateral position.
Call for differentiated help - Emergency Medical Services.



Injured by chainsaw with open wound in the left arm

#772
Basic

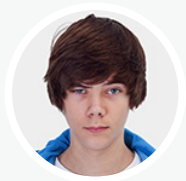
Leon Cruz | 17 years old | Pre-Hospital

Context

Leon was with some friends in the school garden when he suddenly saw the chainsaw of the school gardener. His friends began to challenge Leon to start the chainsaw and cut off a branch from the tree. However, while Leo was trying to turn on the chainsaw and play with it, he lost control. A colleague who has a first aid course rescued him.

General objective

Identify an open wound and apply direct pressure.
Call for differentiated help - Emergency Medical Services.



Airway obstruction

#773
Basic

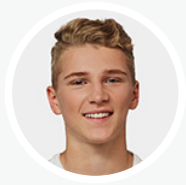
Anthony Joshua | 15 years old | Pre-Hospital

Context

Anthony was doing a picnic outside the school with some friends when, by distraction, grabbed a bite of the meat sandwich and choked with one bone. He has a medical history of type 2 diabetes.

General objective

Identify airway obstruction and encourage continued coughing.



Open wound in the chest

#774
Basic

Robert Myers | 17 years old | [Pre-Hospital](#)

Context

Robert was arriving at school when a classmate with serious psychiatric problems attacked him with a knife.

General objective

Identify an open wound and apply direct pressure to the wound.

Call for differentiated help - Emergency Medical Services.



Right knee injury

#775
Basic

Sarah Wagner | 16 years old | [Pre-Hospital](#)

Context

Sarah was having lunch with some friends when she saw a snake. She is very afraid of snakes, so she ran away and fell down.

General objective

Apply ice cold pack in the knee.

Call for differentiated help - Emergency Medical Services.



Eye injury

#776
Basic

Jessica Reynolds | 22 years old | [Pre-Hospital](#)

Context

Jessica was helping her little brother with a school project, using sand and small objects to glue to a frame with the whole family. Her brother's friend started throwing the project materials for fun, and one hit her in the eyes.

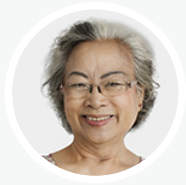
General objective

Identify an eye injury and promptly assist with an eyewash irrigation solution.

13.

CPR challenge.

Scenario Catalog
High School and CTE



Woman with shortness of breath and airway impairment

#997
Intermediate

Amanda Stuart | 75 years old | Pre-Hospital

Context

Mrs. Stuart was diagnosed with lung cancer four years ago. She is a previous smoker and has been feeling very short of breath over the last two weeks. During the day today, when her son came in to visit, she started with progressive dyspnea and with purulent sputum when coughing.

General objective

Identify airway obstruction due to secretions and provide adequate ventilation and life support.



Woman with a past medical history of multiple sclerosis and fibromyalgia

#1001
Intermediate

Akshara Hasan | 28 years old | Pre-Hospital

Context

Miss Hasan has a past medical history of multiple sclerosis and fibromyalgia, which led her to a lot of years in pain. Due to these difficult times, she broke up with her boyfriend, and lately, she has been at home for long periods and is very isolated.

General objective

Identify signs and symptoms of opioid intoxication and provide adequate ventilation and life support.



School cook feels sick after tasting food

#1002
Intermediate

Amanda Russell | 45 years old | Pre-Hospital

Context

Mrs. Russell was with her coworker cooking lunch for the school children. While tasting the food, she felt a stiff neck sensation.

General objective

Perform chest compressions at an adequate rate.

Establish adequate relation between compressions and ventilations.



Woman with chest pain

#996
Advanced

Olivia Allen | 50 years old | Pre-Hospital

Context

Mrs. Allen was with her husband in their home garden when she suddenly started with a sharp pain in her chest.

General objective

Perform chest compressions at an adequate rate.
Establish adequate relation between compressions and ventilations.
Apply the defibrillator correctly.



Man falls unconscious in the garden after felt a tightness in his chest

#998
Advanced

Jeff Mills | 56 years old | Pre-Hospital

Context

Mr. Mills was with his wife in the garden of their home when suddenly he felt a tightness in his chest.

General objective

Identify a cardiac arrest with a defibrillate rhythm.
Perform chest compressions at an adequate rate.
Establish adequate relation between compressions and ventilations.
Apply the defibrillator correctly.



Generalized muscle weakness, palpitations, nausea and vomiting

#999
Advanced

Aiden Reed | 71 years old | Pre-Hospital

Context

Mr. Reed was at home when his wife arrived from shopping. While talking to her he started complaining of generalized muscle weakness, palpitations, nausea, and vomiting for 6 hours.

General objective

Perform chest compressions at an adequate rate.
Establish adequate relation between compressions and ventilations.



Man with chest pain

#1000
Advanced

Peter Warren | 60 years old | [Emergency Room](#)

Context

Mr. Warren's son was working. When he got home, he found his father with chest pain and shortness of breath.

General objective

Identify a cardiac arrest and apply correctly basic life support maneuvers.



Woman with ventricular fibrillation found on the living room

#1003
Advanced

Marie Holland | 40 years old | [Emergency Room](#)

Context

Mrs. Holland's husband was working. When he arrived home, he found her collapsed on the living room floor.

General objective

Identify a cardiac arrest with a defibrillate rhythm.

Employ the defibrillator correctly and establish adequate relation between compressions and ventilations.



Severe car accident with patient in cardiac arrest

#1004
Advanced

Alfie Campbell | 35 years old | [Pre-Hospital](#)

Context

Mr. Campbell was on his way home after having dinner with friends. He was alone in his car when he suddenly had a head-on collision.

General objective

Perform chest compressions at an adequate rate.

Establish adequate relation between compressions and ventilations.

14.

Sports medicine.

Scenario Catalog
High School and CTE



Ankle swelling and inflammation

#48
Basic

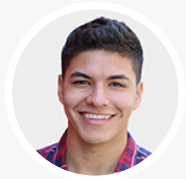
Noah Taylor | 23 years old | [Emergency Room](#)

Context

Mr. Taylor was at a soccer game with friends when he suddenly suffered an opponent's foul. He fell, rolling his right ankle to the side. His ankle was sore with noticeable swelling, so his colleagues rushed him to the hospital.

General objective

Identify a possible ankle sprain.



Cardiac arrest during a soccer game at school

#80
Basic

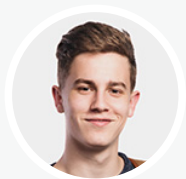
John Taylor | 17 years old | [Pre-Hospital](#)

Context

John was playing soccer with his friends at school when he suddenly fell on the ground.

General objective

Demonstrate the proper techniques for performing Basic Life Support for healthcare.
Perform CPR basic first aid.
Call for differentiated help - Emergency Medical Services.



Multidirectional instability of the shoulder

#280
Basic

Jack Taylor | 19 years old | [Consultation](#)

Context

Mr. Taylor was sent by his coach after complaints of pain and feeling of shoulder dislocation, especially after some tennis matches and practices.

General objective

Identify the multidirectional instability of the shoulder.
Evaluate and manage the multidirectional instability of the shoulder.



Concussion from a collision during an American football game

#484
Basic

Frank Smith | 23 years old | [Emergency Room](#)

Context

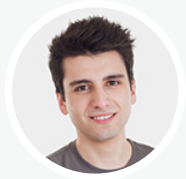
Mr. Smith, a college football player, was playing in a critical game against a rival team. During the second half, he received a violent blow to the head from an opposing player's shoulder when he attempted to catch a pass. The force of the impact knocked him off his feet, and he fell to the ground, unconscious. The referees immediately stopped the game and called for medical assistance.

General objective

Identify a concussion head trauma injury.

Assess the concussion severity.

Reference the patient to appropriate consultation considering his neurological condition.



Head trauma with concussion and anisocoria

#988
Basic

Noah Vargas | 20 years old | [Pre-Hospital](#)

Context

Mr. Vargas was on his way home from a hockey game when he felt sick outside his house.

General objective

Identify a head trauma injury with anisocoria.

Call for differentiated help - Emergency Medical Services.



Ankle sprain

#989
Basic

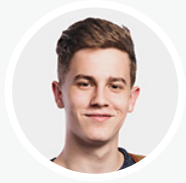
Susan Wang | 28 years old | [Emergency Room](#)

Context

Miss Wang was on the last round of a marathon when she misstepped and fell to the ground.

General objective

Identify a possible dislocation of the right ankle.



Neck injury

#990
Basic

John Brown | 17 years old | [Pre-Hospital](#)

Context

John was playing football and was tackled from behind while running with the ball. He lost his balance and landed on his head.

General objective

Assess and identify neck injury.

Apply first-aid procedures that can minimize injury - place a cervical collar for immobilization.

Call for differentiated help - Emergency Medical Services.



Clavicle fracture at a basketball game

#992
Basic

Sophie Turner | 23 years old | [Pre-Hospital](#)

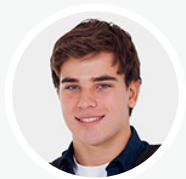
Context

Sophie was playing basketball and was pushed from behind. She lost her balance and landed on the floor.

General objective

Assess and identify clavicle injury.

Apply first-aid procedures that can minimize injury.



Left ribs fracture after 2 players collided

#993
Basic

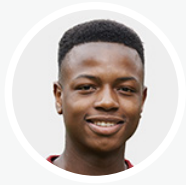
Lucas Mendez | 27 years old | [Pre-Hospital](#)

Context

Mr. Mendez collided with a player when he was playing soccer.

General objective

Identify possible fractured ribs and apply first aid properly.



Torn the anterior cruciate ligament

#994
Basic

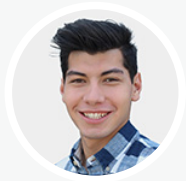
Thomas Warner | 22 years old | [Pre-Hospital](#)

Context

Mr. Warner was returning home after baseball training. When he was throwing a ball in a quick change of direction, he felt a pop in his knee, pain, and difficulty walking. He didn't want to go to the hospital immediately, so a colleague dropped him off at home.

General objective

Identify a possible torn anterior cruciate ligament.



Rehabilitation process of a knee injury

#50
Intermediate

Orlando Menendez | 24 years old | [Consultation](#)

Context

Mr. Menendez plays football in his University team. After a match, he recently felt knee pain in his left leg, so he has been skipping training for the last four days.

General objective

Identify the components of medical documentation.

Demonstrate an understanding of normal values for vital signs.

Describe various range of motion exercises including passive, assisted, active and resistive.



Rehabilitation of patellar tendinopathy

#241
Intermediate

Mark Cuban | 25 years old | [Consultation](#)

Context

Mr. Cuban is a professional soccer player. In recent weeks, he has started to feel pain in his right knee, which has worsened over the past few days. He is worried because he has had similar episodes in the past few months. After being seen by the team doctor, he came today for an appointment with the physiotherapist.

General objective

Identify the patellar tendinopathy injury.

Evaluate and manage patellar tendinopathy injury.



Medial elbow pain

#242
Intermediate

Ian Curtis | 22 years old | [Consultation](#)

Context

Mr. Curtis is a baseball player on his University team. He has had persistent elbow pain for the past three months.

General objective

Identify the medial epicondylitis injury.
Evaluate and manage medial epicondylitis injury.



Lateral ligament injury of the ankle

#243
Intermediate

Aissa Williams | 21 years old | [Consultation](#)

Context

Ms. Williams is a professional tennis player. She was training intensely against a sparring partner. During a rapid change of direction, she sprained her right ankle. Due to the pain, the training session was cut short, and Ms. Williams sought someone with the proper expertise to help her recover.

General objective

Identify and grade a lateral ligament injury of the ankle.
Propose an adequate rehabilitation program.
Describe diverse flexibility techniques and their importance for treatment.



Iliotibial band syndrome

#296
Intermediate

Henry Miller | 20 years old | [Consultation](#)

Context

Mr. Miller is a runner on his university team. In recent weeks, he has started to feel pain in his right knee and hip, which has worsened over the past few days, so he decided to go to an appointment with the team's physiotherapist.

General objective

Identify iliotibial band syndrome.
Evaluate and manage iliotibial band syndrome.



Vertebrobasilar insufficiency due to a cervical whiplash injury

#673
Intermediate

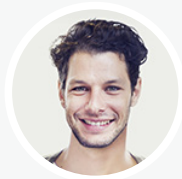
Mary Olsen | 19 years old | [Consultation](#)

Context

Ms. Olsen is a young handball player who had a cervical whiplash on her last match seven days ago. After the assessment in the Emergency Department, on the incident day, she received a recommendation to rest and a referral to the Physiotherapy department today.

General objective

Recognize the knowledge related to cervical risk factors assessment and management.



Patellar tendinopathy on the left knee with pain during knee flexion

#674
Intermediate

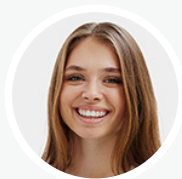
Markus Belton | 29 years old | [Consultation](#)

Context

Mr. Belton is a semi-professional volleyball player who works as an officer too. He had anterior knee pain on the left leg after training and with prolonged sitting for the last 4 days. He is worried as he has had several episodes of chondromalacia patellae in the last year. The team doctor made a referral to the team physiotherapist today.

General objective

Recognize the knowledge related to the patellar tendinopathy assessment and management.



Ventricular fibrillation on the pitch

#986
Intermediate

Rebecca Duncan | 22 years old | [Pre-Hospital](#)

Context

Ms. Duncan was playing a basketball game when she suddenly fell to the ground.

General objective

Identify a cardiac arrest with a defibrillate rhythm.

Apply chest compressions at an adequate rate.

Establish adequate relation between compressions and ventilations.

Employ the defibrillator correctly.



Head trauma with a hemorrhagic wound

#987
Intermediate

Rose Jones | 27 years old | [Emergency Room](#)

Context

Ms. Jones was in a women's soccer tournament. While heading a ball, she bumped into a team player's head.

General objective

Identify a head trauma injury.
Call for differentiated help - Neurosurgery.



Convulsions at a basketball game

#991
Intermediate

William Malone | 25 years old | [Pre-Hospital](#)

Context

Mr. Malone was playing a basketball game when he suddenly fell to the ground.

General objective

Identify a convulsion and apply first aid properly.

15.

EMT.

Scenario Catalog
High School and CTE



Head hemorrhagic wound

#52
Basic

Frank Scott | 38 years old | [Pre-Hospital](#)

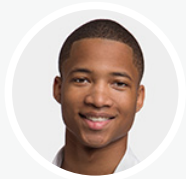
Context

Frank was involved in a car accident. The car struck a telephone pole and he hit his head on the steering wheel. He got out of the car on his own and lay down on the ground.

General objective

Rapidly assess and manage life-threatening injuries.

Safely handle and position the patient to prevent worsening injury severity



Asthma attack

#78
Basic

Jerry Benson | 22 years old | [Pre-Hospital](#)

Context

Jerry was running in the park in the middle of spring when he felt unwell.

General objective

Utilize the SAMPLE and OPQRST mnemonics to interview the patient in order to discover pertinent findings. Recognize the classic signs and symptoms of asthma.



Gunshot wound

#228
Basic

Jorge Guzmán | 36 years old | [Pre-Hospital](#)

Context

Jorge has lived in a rough neighborhood since he was a little boy. As he grew up, he decided to become a police officer and fight crime. Today on his day off he was walking near his home and heard gunshots.

General objective

Identify the source of hemorrhage and timely minimize the blood loss.



Pulmonary Edema

#308
Basic

Jonas Oliver | 67 years old | [Pre-Hospital](#)

Context

Jonas has recently retired and has been spending some time at home with his wife.

General objective

Identify inclusion criteria for a possible pulmonary edema.



Bradycardia and atrial fibrillation

#310
Basic

Paul Finch | 40 years old | [Pre-Hospital](#)

Context

Paul's wife was on holiday visiting their daughter while Paul had to stay at home because of his work. By the time she arrived back home, she found him collapsed on the floor with an altered mental status.

General objective

Identify bradycardia rhythm and possible underlying cause.



Airway obstruction and lung cancer

#311
Basic

Wilfred Holmes | 38 years old | [Pre-Hospital](#)

Context

You respond to a call for a male with a chief complaint of dyspnea and unconsciousness.

General objective

Utilize the adequate mnemonics (SAMPLE and OPQRST) to interview patient/family in order to discover pertinent clinical findings.



Supraventricular tachycardia

#312
Basic

Jane Scott | 34 years old | [Pre-Hospital](#)

Context

Jane was shopping at a store when she had a discussion with the store seller. After she left the store she felt bad.

General objective

Utilize the appropriate mnemonics (SAMPLE and OPQRST) to interview patient in order to discover pertinent clinical findings.

Identify through physical examination assessment and collection of medical history that the patient is suffering from fast and regular heartbeat, but is stable.



Myocardial infarction

#395
Basic

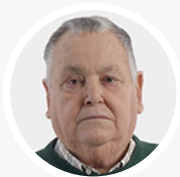
Ellen Smith | 67 years old | [Pre-Hospital](#)

Context

Ellen has been struggling to change her diet and improve her lifestyle to be less sedentary. Today she was walking outside with her daughter and felt chest discomfort with palpitations.

General objective

Timely identify signs and symptoms of a possible myocardial infarction.



Respiratory infection

#486
Basic

Willy Saunders | 78 years old | [Pre-Hospital](#)

Context

Willy lives with his wife. Today, after breakfast he felt ill with shortness of breath, cough with sputum, and chest pain. His wife called for an ambulance.

General objective

Utilize the adequate mnemonics (SAMPLE and OPQRST) to interview patient in order to discover pertinent clinical findings.

Identify a possible respiratory infection.



Angina pectoris

#487
Basic

Peter Adams | 30 years old | [Pre-Hospital](#)

Context

Peter was at a football tournament when he felt a pain in his chest. His teammates called for an ambulance.

General objective

Perform the suitable procedures in order to diagnose a possible Angina Pectoris and provide assistance and treatment to patient while waiting for paramedics.



Suspected heart attack

#491
Basic

Marco Smith | 50 years old | [Pre-Hospital](#)

Context

Marco was shopping at the grocery store when he felt a severe pain in his chest. He called for an ambulance.

General objective

Perform the suitable procedures in order to diagnose a possible Heart Attack and provide assistance and treatment to patient while waiting for paramedics.



Opioid overdose

#492
Basic

Emma Lopez | 30 years old | [Pre-Hospital](#)

Context

Emma was found on the ground in an empty street by her boyfriend, who had been looking for her.

General objective

Recognize, through assessment and history-taking, that the patient has the signs and symptoms of an opioid overdose.



Hypothermia and hypoglycemia secondary to alcohol intoxication

#495
Basic

Adam Lambert | 30 years old | [Pre-Hospital](#)

Context

Adam has been struggling with alcohol abuse for the last few years, since he was fired from his job.

General objective

Identify a hypothermia and hypoglycemia secondary to alcohol intoxication and early intervene.



Unknown poisoning

#496
Basic

Susan Smith | 32 years old | [Pre-Hospital](#)

Context

Susana lived with a substantial depression since the death of her husband 1 month ago in a car accident. Since then, she has been under the supervision of a psychiatrist.

General objective

Recognize, through patient assessment and history-taking, that patient has the signs and symptoms of an intoxication of unknown cause.



Food poisoning

#505
Basic

John Carter | 34 years old | [Pre-Hospital](#)

Context

John was out walking after dinner with friends but, during the walk, he started sweating with abdominal pain and vomiting. He needed to lie down on the floor because he felt like he was going to pass out.

General objective

Recognize, through assessment and history-taking, that the patient has the signs and symptoms of a food poisoning.



Neck injury

#506
Basic

Oliver Smith | 68 years old | [Pre-Hospital](#)

Context

Oliver had a car accident and he got out of the car by himself. A bystander called an ambulance.

General objective

Apply adequate mnemonics (SAMPLE and OPQRST) to interview the patient and identify pertinent clinical findings related to the patient's possible injuries.



Forehead wound and hypoglycemia

#507
Basic

Benjamin Hunter | 18 years old | [Pre-Hospital](#)

Context

Benjamin was at a playground with some friends when he fell resulting in a wound on his forehead.

General objective

Apply adequate mnemonics (SAMPLE and OPQRST) to interview the patient and identify pertinent clinical findings related to the patient's possible injuries.

Perform adequate pre-hospital treatment for wounds and hypoglycemia.



Benzodiazepine intoxication

#513
Basic

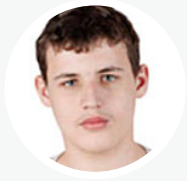
Peggy Olson | 23 years old | [Pre-Hospital](#)

Context

Peggy had a car accident when she was eight years old with her parents, but she was the only survivor. Since then, she is being followed by a psychiatrist due to regular anxiety crisis.

General objective

Identify drug intoxication and, over dialogues, recognize what kind of drug lead to intoxication, how much was consumed and establish a temporal evolution.



Ankle fracture

#524
Basic

James Patterson | 21 years old | [Pre-Hospital](#)

Context

James was playing basketball with some friends from the neighborhood when, trying to reach the basket, he suddenly landed badly on his foot and fell to the ground.

General objective

Identify a suspected fracture or dislocation and execute the correct stabilization.



Left arm injury with active bleeding

#527
Basic

Candace Flynn | 26 years old | [Pre-Hospital](#)

Context

Candace was helping her father with the tractor. While she was trying to show her father that she was able to drive it, she suddenly fell off and the tractor continued forwards and ran over her.

General objective

Perform all the steps for an adequate trauma assessment and identify the possible injuries.



Hypertensive crisis

#539
Basic

Michael Banner | 56 years old | [Pre-Hospital](#)

Context

Michael is a 2nd shift fast food worker, works two jobs and normally eats his meals at the restaurant.

General objective

Identify signs and symptoms of hypertensive crisis.



Influenza with generalized pain and fever

#541
Basic

Jerry Morgan | 38 years old | [Pre-Hospital](#)

Context

Jerry is a lawyer and works very hard, he has just returned from a business trip.

General objective

Recognize classic signs and symptoms of the influenza.



Abdominal pain due to pregnancy

#542
Basic

Jane Lee | 22 years old | [Pre-Hospital](#)

Context

Jane is complaining of abdominal pain which started 2 days ago. She was resting at home when the pain came back again.

General objective

Recognize the time since last menstrual cycle through interview.



Unconscious due to hypoglycemia

#546
Basic

Patricia Lopez | 57 years old | [Pre-Hospital](#)

Context

Patricia is a human resources specialist and has been on a crash diet preparing for her wedding.

General objective

Identify signs and symptoms of hypoglycemia.



Right ischemic embolic stroke

#549
Basic

Eric Manson | 36 years old | [Pre-Hospital](#)

Context

Eric is an iron worker. He has not seen a doctor in 5 years ever since he lost his insurance. He has not been taking any medications because he can't afford them.

General objective

Recognize the signs and symptoms of stroke.



Severe dehydration

#550
Basic

Lisa Taylor | 42 years old | [Pre-Hospital](#)

Context

Lisa is a chef in a restaurant. In the past few days she has been preparing various dishes for a TV contest and she thinks that maybe she ate something that was not good.

General objective

Recognize signs and symptoms of severe dehydration.



Seizure of unknown origin

#551
Basic

Jimmy Brown | 55 years old | [Pre-Hospital](#)

Context

Jimmy was going to his car after a crossfit workout when he felt bad. His colleague came a little behind and said that he heard Jimmy fall and heard strange noises that seemed that he was shaking.

General objective

Recognize the classic signs and symptoms of a seizure.



Flu OR COVID-19

#552
Basic

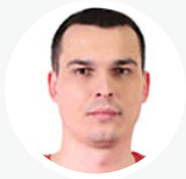
Mia Sanchez | 48 years old | [Pre-Hospital](#)

Context

Mia is a dentist and has just returned from a trip where she attended a conference on dentistry and oral hygiene. Today she called an ambulance saying she doesn't feel well.

General objective

Recognize through assessment and anamnesis that the patient has the signs and symptoms of influenza or COVID 19.



Septic shock

#555
Basic

Greg Johnson | 35 years old | [Pre-Hospital](#)

Context

Greg had a automobile accident a few years ago and left him quadriplegic due a C4 cord injury. He has been recently more lethargic and with altered level of consciousness. His mother called 911.

General objective

Identify the classic signs of septic shock.



Sickle cell disease

#556
Basic

Adeola Rogers | 26 years old | [Pre-Hospital](#)

Context

Adeola is a business women. She was working when she felt bad. Her colleague called an ambulance.

General objective

Identify that the patient is suffering from a Sickle Cell Crisis, through the assessment and interpretation of the suited physical examination, medical tests and medical history collected, furthermore applying the convenient decision aids tools.

Medication Class Glossary.

Scenario Catalog
High School and CTE

Medication Class Glossary.

This document is intended to list and briefly describe the Medication classes available in Body Interact scenarios for High School & CTE programs.

Analgesics

Medications that relieve pain.

Antibiotics

Medications that kill or slow the growth of bacteria.

Anticoagulants

Medications that help prevent blood from clotting.

Anticonvulsants

Medications that treat seizures.

Antidepressants

Medications that treat mood disorders, such as depression.

Antidotes

Medications that negate the effect of a poison or toxin.

Antiemetics

Medications that prevent nausea and vomiting.

Antihistamines

Medications that treat allergies and reduce symptoms such as sneezing and itching by blocking histamine, the substance in the body which causes these symptoms.

Antihypertensives

Medications used to lower and control high blood pressure.

Anti-inflammatories

Medications that reduce inflammation. The various groups of anti-inflammatory drugs act against one or more of the mediators that initiate or maintain inflammation.

Antiplatelets

Medications used to prevent blood cells called platelets from clustering and forming blood clots.

Antipyretics

Medications that reduce fever by lowering the body temperature. Several analgesic drugs have antipyretic activity.

Antivirals

Medications that treat viral infections.

Anxiolytics

Medications that treat anxiety.

Medication to treat Bradyarrhythmia

Medications that prevent and treat a heart rhythm that is too slow or irregular (also known as arrhythmias) by increasing the heart rate.

Bronchodilators

Medication that eases breathing by relaxing the muscles surrounding the bronchial tubes.

Corticosteroids

Medications used to treat allergic reactions and inflammation. These are made to mimic hormones produced naturally by the adrenal glands.

Diuretics

Medications that stimulate diuresis.

Fibrinolytic

Medications that are capable of breaking down the protein fibrin, which is the main constituent of blood clots, and is therefore used to disperse blood clots (thrombus) that have formed within the circulation.

Fluids & electrolytes

Medications that increase the blood flow and treat dehydration. Electrolytes can carry an electrical charge essential for many physiological functions, such as muscle contraction and fluid balance.

Medication to treat Hyperglycemia

Medications that decrease blood glucose.

Medication to treat Hypoglycemia

Medications that increase blood glucose.

Mood stabilizers

Medications that are prescribed in psychiatry to protect against mood swings.

Procoagulants

Medications that promote blood clotting or coagulation. When a blood vessel is injured, procoagulants are activated to form a blood clot.

Relaxants & sedatives

Relaxants - Medications that reduce tension and strain in muscles.

Sedatives - Medications used for their calming effect, to reduce anxiety and tension; at high doses, it induces sleep.

Medication to treat Tachyarrhythmia

Medications that prevent and treat a heart rhythm that is too fast or irregular (also known as arrhythmias) by decreasing the heart rate.

Tocolytics

Medications that treat preterm labour by stopping uterine contractions long enough to enhance fetal lung maturity or to enable transfer to a unit with adequate neonatal facilities.

Vasoactive agents

Medications that can affect the diameter of blood vessels, thereby altering blood flow and blood pressure by constriction. Changes include a faster heartbeat, more rapid breathing, greater energy, and higher blood pressure.

Vasodilators

Medications that cause the widening of the blood vessels, permitting a freer flow of blood.

Vitamins

Vitamins are organic compounds essential for the normal growth, development, and functioning of the body. Alcohol consumption can affect the body's ability to absorb and utilize certain vitamins, leading to deficiencies in the body.

References

www.health.harvard.edu/a-through-c

www.oxfordreference.com/

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