



Emergency Medicine

Total points **3/28**

A patient has collapsed with an anaphylactic reaction.
What symptoms would you expect to see?

0/1

- The patient will have a low blood pressure (hypotensive) and will have a fast heart rate (tachycardia) usually associated with skin and mucosal changes.
- The patient will have a high blood pressure (hypertensive) and will have a fast heart rate (tachycardia).
- The patient will quickly find breathing very difficult because of compromise to their airway or circulation. This is accompanied by skin and mucosal changes
- The patient will experience a sense of impending doom, hyperventilate and be itchy all over



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Correct answer

The patient will quickly find breathing very difficult because of compromise to their airway or circulation. This is accompanied by skin and mucosal changes.

Which of the following are signs of anaphylaxis?

0/1

- Swelling of tongue and rashes
- Dyspnoea, hypotension and tachycardia
- Hypertension and hyperthermia
- Cold and clammy skin

Correct answer

Dyspnoea, hypotension and tachycardia

All but one are signs of anaphylaxis:

0/1

Itchy skin or a raised, red skin rash

Swollen eyes, lips, hands and feet



Hypertension and tachycardia
Abdominal pain, nausea and vomiting

Correct answer

Hypertension and tachycardia

Which of the following is a criteria for anaphylactic reaction:

0/1

Sudden onset and rapid progression of symptoms

Life-threatening airway and/or breathing and/or circulation problems

Skin and/or mucosal changes (flushing, urticarial and angioedema)

Skin and mucosal changes only

A and B only

All of the above

A, B and C

Correct answer

A, B and C



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Mrs X was taken to the Accident and Emergency Unit due to anaphylactic shock. The treatment for Mrs X will depend on the following except:

0/1

Location

Number of Responders

Equipment and Drugs available

Triage system in the A&E

Correct answer

Triage system in the A&E

Mark, 48 years old, has been exhibiting signs and symptoms of anaphylactic reaction. You want to make sure that he is in a comfortable position. Which of the following should you consider?

1/1

Mark should be sat up if he is experiencing airway and breathing problems.

Mark should be lying on his back if he is assessed to be breathing and unconscious.



Mark should be sat up if his blood pressure is too low.
Mark should be encouraged to stand up if he feels faint.

The following are ways to remove factors that trigger anaphylactic reaction except for one:

0/1

It is not recommended to force the patient to vomit after food-induced anaphylaxis.

Definitive treatment should not be delayed if removing a trigger is not feasible.

Any drug suspected of causing an anaphylactic reaction should be stopped.

After a bee sting, do not touch the stinger for about a maximum of 3 hours.

Correct answer

After a bee sting, do not touch the stinger for about a maximum of 3 hours.

Mrs Smith has been assessed to have a cardiac arrest after anaphylactic reaction to a medication. Cardiopulmonary Resuscitation (CPR) was started immediately. According to



the Resuscitation Council UK, which of the following statements is true?

1/1

Intramuscular route administration of adrenaline is always recommended during cardiac arrest after anaphylactic reaction.

Intramuscular route for adrenaline is not recommended during cardiac arrest after anaphylactic reaction.

Adrenaline can be administered intradermally during cardiac arrest after anaphylactic reaction.

None of the Above

There is a child you are taking care of at home who has a history of anaphylactic shock from certain foods, the nurse is feeding him lunch, he looks suddenly confused, breathless and acting different, the nurse has access to emergency drugs and the mobile phone, what will she do?

0/1

She will keep the child awake by talking to him and call 911 for help



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She will raise the child's legs and administer Adrenaline and call the emergency services

The nurse will keep the child in standing position and try to reassure the child

Correct answer

She will raise the child's legs and administer Adrenaline and call the emergency services

A patient is rapidly deteriorating due to drug over dose what to do?

0/1

Assess ABCDE, call help, keep anaphylactic kit

Call for help, keep anaphylactic kit, assess ABCDE

Assess ABCDE, keep anaphylactic kit, inform doctor, call for help

Correct answer

Assess ABCDE, call help, keep anaphylactic kit

A patient develops shortness breath after administering third dose of penicillin. The patient is unwell. Your response?



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0/1

Call for help, ensure anaphylaxis pack is available, assess ABC, don't leave the patient until medical help comes
Assess ABC, make patient lie flat, reassure and continue observing

Correct answer

Call for help, ensure anaphylaxis pack is available, assess ABC, don't leave the patient until medical help comes

You have just administered an antibiotic drip to your patient. After few minutes, your patient becomes breathless and wheezy and looks unwell. What is your best action on this situation?

0/1

Stop the infusion, call for help, anaphylactic kit in reach, monitor closely

Continue the infusion and observe further

Check the vital signs of the patient and call the doctor
Stop the infusion and prepare a new set of drip

Correct answer



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Stop the infusion, call for help, anaphylactic kit in reach, monitor closely

Patient is given penicillin. After 12 hours he develops itching, rash and shortness of breath. What could be the reason?

1/1

Speed shock

Allergic reaction

The ACVPU scale means:

0/1

Alert, Confusion, Verbal, Pain, Unresponsive

Awake, Confusion Verbal, Pain, Unconscious

Alert, Conscious Verbal, Pressure, Unconscious

Awake, Conscious, Verbal, Pressure, Unresponsive

Correct answer

Alert, Confusion, Verbal, Pain, Unresponsive

You are caring for a patient who has had a recent head injury and you have been asked to carry out neurological



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observations every 15 minutes. You assess and find that his pupils are unequal and one is not reactive to light. You are no longer able to rouse him. What are your actions?

0/1

Continue with your neurological assessment, calculate your Glasgow Coma Scale (GCS) and document clearly. This is a medical emergency. Basic airway, breathing and circulation should be attended to urgently and senior help should be sought.

Refer to the neurology team.

Break down the patient's Glasgow Coma Scale as follows: best verbal response V = XX, best motor response M = XX and eye opening E = XX. Use this when you hand over.

Correct answer

This is a medical emergency. Basic airway, breathing and circulation should be attended to urgently and senior help should be sought.

You are monitoring a patient in the ICU when suddenly his consciousness drops and the size of one his pupil becomes smaller what should you do?



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0/1

Refer to neurology team

Continue to monitor patient using GCS and record
Consider this as an emergency, prioritise ABC and call the
doctor

Correct answer

Consider this as an emergency, prioritise ABC and call the
doctor

Initial intervention when a patient collapsed:

0/1

Call a code

Check if the scene is safe

Check for responsiveness

Assess VS

Correct answer

Check if the scene is safe



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You are currently on placement in the emergency department (ED). A 55-year-old city worker is bluelighted into the ED having had a cardiorespiratory arrest at work. The paramedics have been resuscitating him for 3 minutes. On arrival, he is in ventricular fibrillation. Your mentor asks you the following question prior to your shift starting: What will be the most important part of the patient's immediate advanced life support?

0/1

Early defibrillation to restart the heart.
Early cardiopulmonary resuscitation.
Administration of adrenaline every 3 minutes.

Correction of reversible causes of hypoxia.

Correct answer

Early defibrillation to restart the heart.

While having lunch at the cafeteria, your co-worker suddenly collapsed. As a nurse, what would you do?

0/1

You are on lunch, no actions should be taken



Assess for any danger

Tap the patient to check for consciousness

Call for help

Correct answer

Assess for any danger

During cardiopulmonary resuscitation:

0/1

Chest compression should be 5-6 cm deep at a rate of 100-120 compression per minute

A ratio of 2 ventilation to 15 cardiac compression is required

The hands should be placed over the lower third of the sternum to do chest compression

Check for normal breathing for 1 full minute to diagnose cardiac arrest

Correct answer

Chest compression should be 5-6 cm deep at a rate of 100-120 compression per minute



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The correct management of an adult patient in ventricular fibrillation (VF) cardiac arrest includes:

0/1

An initial shock with a manual defibrillator or when prompted by an automated external defibrillator (AED)

Atropine 3 mg IV

Adenosine 500 mcg IV

Adrenaline 1 mg IV before first shock

Correct answer

An initial shock with a manual defibrillator or when prompted by an automated external defibrillator (AED)

You see a man collapsing while you are in a queue. What will you do first as BLS Certified Nurse?

0/1

Start CPR

Leave the patient

Shout for help

Check for responsiveness



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Correct answer

Shout for help

You were on the phone with a family member, and one of the carers has reported that one of your residents has stopped breathing and turned blue. What should you do first?

0/1

End your conversation with the family member, attend to your patient and do the CPR.

End your conversation with the family member, go to your patient's bedroom and assess for airway, breathing and circulation.

End your conversation with the family member, and dial 999 to request for an ambulance.

Dial 111, and request for an urgent visit from the General Practitioner.

Correct answer



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End your conversation with the family member, go to your patient's bedroom and assess for airway, breathing and circulation.

Which is the first drug to be used in cardiac arrest of any aetiology?

0/1

Adrenaline

Amiodarone

Atropine

Calcium chloride

Correct answer

Adrenaline

After 2 hours in A&E, Barbara is now ready to be moved to another ward. You went back to tell her about this plan and noticed she was not responding. What is your next action as a priority?

0/1

Assess for signs of life

Shout for help

Perform CPR



Keep the airway open

Correct answer

Shout for help

In an out-of-hospital setting, how do you conduct yourself in an emergency?

0/1

Disregard your safety as long as the patient is safe

In the most professional manner

The same way as you would in a hospital setting

Within the limits of your knowledge and competence

Correct answer

Within the limits of your knowledge and competence

How to act in an emergency in a health care setup?

0/1

According to the patient's condition

According to instruction

According to situation

According to our competence



Correct answer

According to our competence

An emergency room nurse is working when an Amtrak train derails. The emergency room nurse knows that reverse triage may need to be instituted. What is the rationale for using reverse triage?

0/1

Mass casualty is an event with greater than 20 victims.

A very basic reverse triage system is to categorize or label victims needing the most support and emergency care as red.

Victims most likely to survive are color coded as black.

Reverse triage works on the principle of the greatest good for the greatest number.

Correct answer

Reverse triage works on the principle of the greatest good for the greatest number.