**Resuscitation and Use of the AED**

From Brady’s First Responder (8th Edition)

63 Questions

1. What is the minimum age you should use an AED on?
p. 235

A.) *Three years*B.) *Seven years*C.) *Five years*\*D.) *One year*

2. Which is a common feature when operating a semi-automated
defibrillator?
p. 239

A.) *A button must be pushed to begin the analysis phase*B.) *All four leads must be placed on the patient's chest*C.) *Adhesive jelly must be applied under the pads*\*D.) *Operator must push a button to deliver the shock*

3. Which is NOT a correct statement about performing CPR on
an adult patient?
p. 213

\*A.) *Keep your elbows slightly bent to avoid fatigue*B.) *Keep your fingers off the chest*C.) *Keep the heels of both hands parallel to each other*D.) *Position your shoulders over your hands*

4. What is the minimum amount of time you should spend
assessing breathing?
p. 210

\*A.) *5 seconds*B.) *20 seconds*C.) *10 seconds*D.) *15 seconds*

5. What is at the center of the circulatory system?
p. 207

A.) *Arteries*B.) *Brain*C.) *Blood*\*D.) *Heart*

6. What may result if you place your hands too high during
CPR compressions?
p. 227

A.) *Damage internal organs*B.) *Damage the lungs*\*C.) *Damage the collarbones*D.) *Fracture the ribs*

7. What should you do if you are alone and have a fully
automated defibrillator to use?
p. 237

A.) *Contact and wait for EMS to arrive*\*B.) *Attach the AED without starting CPR*C.) *Begin CPR on the patient*D.) *Begin CPR while a bystander readies the AED*

8. How many more compressions should be given before
switching places during two-rescuer CPR?
p. 223

\*A.) *30*B.) *15*C.) *25*D.) *20*

9. How far down should compressions be made for a child
patient when performing CPR?
p. 213

A.) *One-fourth to one-half the depth of the chest*\*B.) *One-third to one-half the depth of the chest*C.) *One-half to two-thirds the depth of the chest*D.) *Two-thirds to three-fourths the depth of the chest*

10. How much should the adult patient's chest be compressed
during CPR?
p. 219

A.) *2 to 2.5 inches (5.0 cm to 6.4 cm)*B.) *2.5 to 3 inches (6.4 cm to 7.6 cm)*C.) *1 to 1.5 inches (2.5 cm to 3.8 cm)*\*D.) *1.5 to 2 inches (3.8 cm to 5.0 cm)*

11. Which of the following is correct placement of an AED pad?
p. 236

A.) *Patient's lower right chest below the collarbone*B.) *Patient's lower left chest below the collarbone*\*C.) *Patient's upper right chest below the collarbone*D.) *Patient's upper left chest below the collarbone*

12. Which part of the hand should be placed on the patient's
bare chest between the nipples when performing CPR?
p. 211

A.) *Palm*\*B.) *Heel*C.) *Backside*D.) *Fingertips*

13. Which AED is recommended for Emergency Medical Responders
for safety reasons?
p. 232

A.) *Manual*B.) *Semi-manual*C.) *Fully automated*\*D.) *Semi-automated*

14. When ventilating an elderly patient, what can be used to
determine the effectiveness of your efforts?
p. 215

A.) *Rib movement*B.) *Chest movement*C.) *Throat movement*\*D.) *Abdomen movement*

15. By which avenue will excess air move into the stomach from
the lungs?
p. 227

A.) *Bronchioles*B.) *Trachea*\*C.) *Esophagus*D.) *Larynx*

16. What will the emergency department staff do before
declaring biological death of a cold-water drowning
victim?
p. 231

A.) *Rewarm the patient adequately*B.) *Attempt to revive the patient*\*C.) *Rewarm the patient and attempt to revive them*D.) *Rewarm the patient, attempt to revive them and hydrate them*

17. What do most problems with defibrillator operations
involve?
p. 239

A.) *Poor power source*B.) *Cables that are too short*C.) *Number of available leads*\*D.) *Poor attachment of the pads*

18. Which statement about how to deliver effective CPR to all
patients is NOT correct?
p. 227

A.) *Compress smoothly and to the proper depth*B.) *Place the patient supine on a hard surface*C.) *Maintain an open airway with the appropriate technique*\*D.) *During ventilations, watch for the abdomen to rise and fall*

19. What is the first sign you would check for when assessing
if a patient is in cardiac arrest?
p. 208

A.) *No pulse*\*B.) *Unresponsive*C.) *No breathing*D.) *Flushed skin color*

20. How should the patient be positioned to start CPR?
p. 210

A.) *On her right side*B.) *On her stomach*C.) *On her left side*\*D.) *On her back*

21. What is the first thing you should do when you arrive on
the scene and a rescuer is performing CPR?
p. 220

A.) *Begin ventilating the patient*B.) *Begin chest compressions*C.) *Get in position next to the patient*\*D.) *Identify yourself*

22. Which rescuer should count aloud when performing
two-rescuer CPR?
p. 221

A.) *Both*B.) *Ventilator*C.) *Neither*\*D.) *Compressor*

23. What is the breaths to seconds ratio for an infant?
p. 224

\*A.) *One breath every 3 to 5 seconds*B.) *One breath every 5 to 7 seconds*C.) *One breath every 1 to 3 seconds*D.) *One breath every 7 to 9 seconds*

24. Which infant would require chest compressions despite a
pulse being present?
p. 226

A.) *75 beats per minute*B.) *85 beats per minute*\*C.) *55 beats per minute*D.) *65 beats per minute*

25. Which injury should prevent you from starting CPR on a
trauma patient?
p. 229

A.) *Spinal cord injury*B.) *Chest crush injury*C.) *Facial injury*\*D.) *No injury should delay CPR*

26. What is the minimum amount of time you should take when
assessing pulse and breathing of a hypothermic patient?
p. 230

A.) *2 minutes*B.) *2 1/2 minutes*\*C.) *1 minute*D.) *1 1/2 minutes*

27. How many compressions per minute should be delivered
during CPR?
p. 215

A.) *50*B.) *30*C.) *80*\*D.) *100*

28. How many shocks will the semi-automated defibrillator
deliver at a time?
p. 239

A.) *Three*B.) *Two*C.) *Four*\*D.) *One*

29. What is the cause of cardiac arrest in a majority of
pediatric patients?
p. 226

A.) *Aneurism*\*B.) *Respiratory failure*C.) *Kidney failure*D.) *Stroke*

30. Which pulse should you be able to feel during chest
compressions if you are performing CPR correctly?
p. 216

\*A.) *Carotid*B.) *Brachial*C.) *Femoral*D.) *Radial*

31. Where should you bend from when performing CPR for greater
effectiveness?
p. 213-214

\*A.) *From the hips*B.) *From the elbows*C.) *From the knees*D.) *From the shoulders*

32. How far below the nipple line should compressions occur
during CPR on an infant?
p. 225

\*A.) *One finger width*B.) *Four finger widths*C.) *Three finger widths*D.) *Two finger widths*

33. How long should you give rescue support for an infant or
child before leaving to call 9-1-1 when CPR is needed?
p. 220

A.) *Four minutes*\*B.) *Two minutes*C.) *One minute*D.) *Three minutes*

34. Which of the following providers carry manual
defibrillators?
p. 232

A.) *BLS*B.) *EMT*C.) *EMR*\*D.) *ALS*

35. Which part of the hand is used for compressions on the
infant?
p. 225

\*A.) *Thumb*B.) *Palm*C.) *Heel*D.) *Fingertips*

36. After how many chest compressions should two breaths be
given?
p. 214

A.) *40*\*B.) *30*C.) *35*D.) *45*

37. What will the automated defibrillator do when there is a
nonshockable heart rhythm?
p. 238

A.) *Increase the power*B.) *Turn off completely*\*C.) *Advise you begin CPR*D.) *Shock the heart again*

38. What cartilage can be separated after the first few chest
compressions on an adult patient be when you are in the
correct position?
p. 227

A.) *That connects the ribs to the shoulder*B.) *That connects the ribs to the collarbone*C.) *That connects the ribs to the spine*\*D.) *That connects the ribs to the sternum*

39. Which may be started on a near-drowning patient while in
the water?
p. 230

\*A.) *Ventilations only*B.) *Neither ventilations nor compressions*C.) *Compressions only*D.) *Both ventilations and compressions*

40. Which basic warning about use of the AED is NOT correct?
p. 235

\*A.) *Make sure the chest is lubricated before placing the leads*B.) *Only place the AED on a patient who is over one year old,
unresponsive, pulseless and not breathing*C.) *Make certain no one is touching the patient during the
analyze or shock phases*D.) *Do not attempt to defibrillate a patient who is lying in a
puddle of water*

41. Which statement is NOT correct when deciding if a patient
is a candidate for an AED?
p. 236

A.) *Be unresponsive*\*B.) *Be older than three years*C.) *Have no respirations*D.) *Have no carotid pulse*

42. What should be used when performing CPR on an infant?
p. 217

\*A.) *Two fingers*B.) *One finger*C.) *Two hands*D.) *One hand*

43. Which part of the body should be used to move an adult
patient when a spine injury is suspected?
p. 229

A.) *Chest*B.) *Legs*\*C.) *Forearms*D.) *Hands*

44. After approximately what amount of time after breathing
and pulse have stopped will the brain damage be
irreversible?
p. 208

A.) *20 minutes*B.) *25 minutes*\*C.) *10 minutes*D.) *15 minutes*

45. What can be done if no barrier device is available and CPR
is needed?
p. 209

A.) *Wait for EMS to arrive*B.) *Cup the hand over the mouth*\*C.) *Do compressions only*D.) *Roll the patient after compressions*

46. Approximately how long should it take to change positions
during two-rescuer CPR?
p. 221

A.) *20 seconds*B.) *10 seconds*\*C.) *5 seconds*D.) *15 seconds*

47. Where should the rescuer place himself when starting CPR?
p. 211

A.) *Straddling the patient near his waist*B.) *At the patient's side near his waist*C.) *Straddling the patient near his abdomen*\*D.) *At the patient's side near his shoulder*

48. Into what position should you place the infant if she is
breathing?
p. 224

A.) *Semi-sitting*B.) *Prone*\*C.) *Recovery*D.) *Supine*

49. How long will current automated AED pause after shocking
to allow for CPR?
p. 238

A.) *Three minutes*B.) *Four minutes*\*C.) *Two minutes*D.) *One minute*

50. How much time is the maximum CPR should be interrupted
when a patient must be moved?
p. 229

A.) *60 seconds*B.) *15 seconds*C.) *45 seconds*\*D.) *30 seconds*

51. What is the maximum amount of time you should interrupt
chest compressions once CPR has been started?
p. 215

A.) *5 seconds*B.) *15 seconds*\*C.) *10 seconds*D.) *20 seconds*

52. In what amount of time is the oxygen supply remaining in
the brain used up when the heart stops beating?
p. 207

A.) *Three to five minutes*B.) *Two to four minutes*C.) *Five to seven minutes*\*D.) *Four to six minutes*

53. Which is the correct ratio when performing CPR?
p. 214

\*A.) *50% compression and 50% release*B.) *70% compression and 30% release*C.) *60% compression and 40% release*D.) *40% compression and 60% release*

54. How often do most AEDs run a self-diagnostic check?
p. 240

A.) *12 hours*\*B.) *24 hours*C.) *48 hours*D.) *36 hours*

55. Which part of the infant's body should you tap when
determining responsiveness?
p. 226

A.) *Head*\*B.) *Bottom of the feet*C.) *Shoulder*D.) *Side of the legs*

56. What is the most common cause of fibrillation?
p. 232

A.) *Stroke*\*B.) *Heart attack*C.) *Shock*D.) *Respiratory arrest*

57. Which of the following is NOT in the chain of survival?
p. 206-207

A.) *Early medication*\*B.) *Early access to EMS*C.) *Early defibrillation*D.) *Early CPR*

58. When performing CPR as a single rescuer after how many
cycles is it recommended you switch with another rescuer?
p. 220

A.) *5 cycles of 100 compressions*B.) *6 of cycles of 100 compressions*\*C.) *5 cycles of 30 compressions*D.) *6 cycles of 30 compressions*

59. Which is the preferred position when ventilating a patient
who has a pulse?
p. 215

A.) *Adjunct*B.) *Lateral*\*C.) *Cephalic*D.) *Dorsal*

60. Where should a towel be placed to assist in keeping the
infant's head in a neutral position?
p. 223

\*A.) *Under the shoulders*B.) *Around the neck*C.) *Along the side*D.) *Over the face*

61. In which situation will an AED be ineffective?
p. 233

A.) *Ventricular tachycardia*B.) *V-tach*\*C.) *Asystole*D.) *V-fib*

62. When the patient receives an AED shock within what time
period will survival be more likely?
p. 234

\*A.) *Three to five minutes from collapse*B.) *Seven to ten minutes of rescuer arrival*C.) *Seven to ten minutes from collapse*D.) *Three to five minutes of rescuer arrival*

63. Which of the following is NOT a reason to deny a patient
CPR care?
p. 230

A.) *Pooling of blood*B.) *Responsible physician at the scene*C.) *Muscle rigidity*\*D.) *Family members say so*