

# Protocol Study Guide

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*Complete your level of licensure and all levels of care below your level of licensure*

## **POLICY REVIEW—FOR ALL LEVELS OF PROVIDERS**

### **Section 3**

1. How long does a provider have to notify the EMS office of an adverse event?
2. What percentage of continuing education must be done through classes taught or sponsored by the EMS office?
3. What score must a provider obtain on a System Protocol Test?
4. What certifications are required for your level of provider?
5. At minimum, how many days prior to licensure expirations should you submit for recertification?

### **Section 4**

6. Name some reasons why telemetry should be used in the prehospital setting? (Name 4)
7. Name some conditions that are considered “High-Risk Refusals.” (Name 4)
8. What is considered a “Low-Risk Refusal?” (Name 2)
9. Who can obtain a “Low-Risk Refusal” and who can obtain a “High-Risk Refusal?”
10. Name all the conditions that require an EMS Alert Report.

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11. Does a patient need a copy of a refusal from EMS?
12. Name some reasons why an incident report should be filled out. (Name 4)

### **Section 5**

13. Early term OB patients should be directed to what hospitals?
14. What facilities are appropriate for a patient with a suspected STEMI?
15. If a patient has a positive fast greater than 4.5 hours and less than 24 hours, what facilities are most appropriate for that patient?
16. What facilities are most appropriate for a pediatric trauma?
17. Which situation(s) would allow you to transport the patient to the closest emergency department?
18. What situation does the distance (time) to a hospital differ from all other in the EMS Triage Destination Plan?
19. When is a BLS unit able to disregard/cancel an ALS unit that is enroute?
20. When can a patient be transported by a lower level of care unit after ALS has established patient contact?
21. What are the Four Categories of School Bus Incidents? What are the differences between the four categories?

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22. When can a Multiple Casualty Release form be used?
  
23. What must a provider do if a patient has concealed carry weapon on them while under EMS care?
  
24. Which criteria is needed for a patient to be flown by helicopter? (Name 4)

### **Section 6**

25. What must a provider do if exposed to a possible infectious disease?

## **MEDICAL AND TRAUMA REVIEW (LEVEL SPECIFIC)**

### **Section 11**

- BLS- 1. What are some ways you can provide oxygen? (Name 3).
  
- BLS- 2. What are the steps to give an IM injection?
  
- BLS- 3. What are three contraindications of intranasal medication administration?
  
- ILS- 4. How many IV's can be attempted on scene during a routine call?
  
- ILS- 5. What are indications and contraindications for an EZ-IO? List two (2) of each.
  
- ILS- 6. What locations are approved for the EZ-IO?
  
- ILS- 7. How much Lidocaine can be given for IO discomfort in a pediatric patient?

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- ILS- 8. What is the minimum weight for an EZ-IO to be used?
  
- ILS- 9. How much Lidocaine can be given for the discomfort from the EZ-IO insertion in a conscious adult patient?
  
- ALS- 10. How many External Jugular Vein (EJV) can you attempt in the field?
  
- ALS- 11. What medications can be given IN?
  
- ALS- 12. What is the maximum single dose of Fentanyl? (IM? IV? )

### **Section 12**

- BLS- 1. What are some contraindications of aspirin? (Name 2)
  
- BLS- 2. How often can Nitroglycerin be repeated?
  
- BLS- 3. When must you contact Med Control prior to administering Nitro?
  
- BLS- 4. Explain the key concepts of Pit Crew CPR?
  
- BLS- 5. How frequently should you ventilate a patient in Pit Crew CPR?
  
- BLS- 6. What are the jobs of the first two responders on scene of a cardiac arrest?
  
- ILS- 7. What is the minimum BP (systolic) for any provider to give Nitro?

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- ILS- 8.           What two steps are required to activate a prehospital STEMI?
- ILS- 9.           Who should receive a 12-lead EKG?
- ILS- 10.          What alternate anti-arrhythmic medication should an ILS provider give instead of Amiodarone?
- ILS- 11.          What is the initial dose and follow-up dose for the medication in the previous question?
- ILS- 12.          When does an ILS provider need orders for Atropine?
- ILS- 13.          What is the maximum dose for Atropine?
- ILS- 14.          In what situation should Adenosine be given?
- ALS- 15.          What is the correct initial infusion rate for Dopamine for use as in hypotension?
- ALS- 16.          What anti-arrhythmics can be given in a cardiac arrest?
- ALS- 17.          What is the initial dose and repeat dose for the medication(s) in question 16?
- ALS- 18.          What medications are given for PEA?
- ALS- 19.          What are some reasons a heart rate might be bradycardic? (Name 3)

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- ALS- 20. What is the target rate for pacing?
  
- BLS- 1. What are some contraindications for insertion of a Supraglottic Airway?  
(Name 4)
  
- BLS- 2. What is the dose of Albuterol?
  
- BLS- 3. How often can you repeat Albuterol at the BLS level?
  
- ILS- 4. How many intubation attempts is a provider allowed before switching to a Supraglottic Airway?
  
- ILS- 5. Do you need orders at the ILS level to repeat Albuterol?
  
- ILS- 6. What are contraindications for CPAP? (Name 3)
  
- ALS- 7. How many attempts are allowed for intubation?
  
- ALS- 8. What is the dose of Ketamine in a medicine-assisted intubation?
  
- ALS- 9. What is the dose of Fentanyl following a successful MAI?
  
- ALS- 10. How often can you give Ketamine when performing MAI?
  
- ALS- 11. What is suction set at when using an orogastric (OG) tube?

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ALS- 12. When should capnography be used? Name three (3) situations.

### **Section 14**

BLS- 1. What is the dose of Narcan?

BLS- 2. When should you give Oral Glucose?

BLS- 3. What is the dose and route of Glucagon?

BLS- 4. What is the Los Angeles Motor Scale?

BLS- 5. What is the maximum time you should stay on scene with a suspected stroke patient?

BLS- 6. What is the dose of Zofran ODT?

BLS- 7. What are some common Benzodiazepines drugs that patients may have used?

BLS- 8. What are the three pieces to the Miami Sepsis Score?

BLS- 9. What is considered a hypertensive crisis?

BLS- 10. What is the Shock Index?

BLS- 11. When should you call a potential Sepsis Alert?

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- ILS- 12. How do you treat a person with a low blood sugar at the ILS level?
  
- ILS- 13. Can Versed be given IN to an adult?
  
- ILS- 14. What medication should NOT be given in Anaphylaxis?
  
- ILS- 15. What is the dose for Versed IM?
  
- ALS- 16. When are you able to give pain medications for a patient with acute abdominal pain?
  
- ALS- 17. What is the dose for Benadryl IM?
  
- ALS- 18. What are some common Tricyclic Antidepressants (TCA's)? (Name 3)
  
- ALS- 19. What situations would allow you to use a central line?

### **Section 15**

- BLS- 1. When and where should a patient be decontaminated?
  
- BLS- 2. How do you treat electrical burns?
  
- BLS- 3. What are the differences between heat cramps, heat exhaustion and heat stroke?
  
- BLS- 4. What does the acronym "SLUDGE" mean?



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ILS/ALS- 5. What medications would you consider for Organophosphate poisoning?

ILS/ALS- 6. What is the maximum temperature a warmed saline bag can be kept at?

ILS/ALS- 7. How long can IV fluids be stored on a commercial warming device?

### **Section 16**

BLS- 1. How long is a scene time for a “load & go” trauma patient?

BLS- 2. What is the lowest score you can obtain on a Glasgow Coma Scale?

BLS- 3. What are the pieces of the Revised Trauma Score?

BLS- 4. What ages are you allowed to utilize the Spinal Motion Restriction Decision Tree?

BLS- 5. How do you treat an amputated part?

BLS- 6. When can you use a pelvic sling?

BLS- 7. What are the steps to applying a tourniquet?

BLS- 8. What basic point of care testing should be done on all confused patients with a traumatic head injury?

BLS- 9. Where should a pelvic sling be placed on a patient?

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- BLS- 10. When and how should wound packing be done?
- BLS- 11. When can a tourniquet be removed?
- ILS- 12. What is the target systolic B/P for a trauma patient?
- ILS- 13. How many attempts at intubation should be made in a traumatic arrest patient?
- ALS- 14. What is the location of a needle decompression?
- ALS- 15. What medication is appropriate for a patient with spinal trauma who is hypotensive?

### **Section 17**

- BLS- 1. What are some key questions to ask a pregnant patient?
- BLS- 2. How often should you take an APGAR score?
- BLS- 3. How fast should you ventilate a newborn?
- BLS- 4. How do you treat a prolapsed cord?
- BLS- 5. What is para and gravida?
- BLS- 6. What is the difference between eclampsia and preeclampsia?

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BLS- 7. Name some situations that are considered high-risk pregnancies? (Name 4)

BLS- 8. What is left uterine displacement?

BLS- 9. What is a major concern with Abruptio Placentae?

BLS- 10. Name four common “date rape” drugs.

ILS/ALS- 11. During childbirth, what is the initial fluid bolus for the mother?

### **Section 18**

BLS- 1. Who can remove taser probes?

BLS- 2. What are some signs of obvious death? (Name 4)

BLS- 3. How do you treat a person sprayed with OC spray?

BLS- 4. What is a situation where a DNR would not be valid?

BLS- 5. If a patient must be handcuffed for security reasons, where should those be placed?

BLS- 6. What must be documented after restraining a patient?

ALS- 7. A provider is unsure if a patient is capable of refusing care, what should they do?

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- ALS- 8. What medications can you use for a patient who is combative when you have exhausted all other attempts to calm the patient?

**\*\*\*\*\*THE FOLLOWING SECTIONS ARE FOR PEDIATRIC PATIENTS\*\*\*\*\***

### **Section 20**

- BLS- 1. What is the maximum age of person who we still consider a pediatric for treatment purposes?
- BLS- 2. Compared to an adult, a pediatric heart will be \_\_\_\_\_ (faster/slower), blood pressure will be \_\_\_\_\_ (higher/lower) and respiratory rate will be \_\_\_\_\_ (faster/slower)?
- BLS- 3. What are the pieces of the Pediatric Assessment Triage?
- ILS/ALS- 4. How much fluid do you give a pediatric for a fluid bolus?
- ILS/ALS- 5. How many IV attempts should be done on a pediatric patient on scene?

### **Section 21**

- BLS- 1. How do you clear an airway obstruction of a conscious pediatric patient?
- BLS- 2. What are some ways a BLS provider can secure a pediatric patient's airway?
- ILS/ALS- 3. What are the size of pediatric Supraglottic airways and their associated weights?
- ILS/ALS- 4. How many intubation attempts does one have for a pediatric patient?

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## **Section 22**

- ILS/ALS- 1. What is the minimum weight for a pediatric patient when using a EZ-IO?
  
- ILS/ALS- 2. What are some indications for the use of an EZ-IO? (Name 3)
  
- ILS/ALS- 3. What is the dose of Lidocaine for a pediatric patient for pain from a EZ- IO?
  
- ALS- 4. When should a Jamshidi IO needle be used?

## **Section 23**

- BLS- 1. What is the minimum age that a person can receive Zofran ODT?
  
- ILS- 2. What is the IN dose for Versed in a pediatric patient?
  
- ALS- 3. What is the correct dose of morphine for a pediatric patient?
  
- ALS- 4. In what situations can pain medications be given to a pediatric patient?
  
- ALS- 5. What is the dose for Fentanyl given to a pediatric patient?

## **Section 24**

- BLS- 1. What is a situation where you start chest compressions, even if the patient has a pulse?
  
- BLS- 2. What is the minimum age to receive Albuterol?

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- BLS- 3. What is the dose of Albuterol for a pediatric patient?
- ILS/ALS- 4. How many joules per kilogram is the pediatric patient defibrillated with in the initial defib?
- ILS/ALS- 5. What is the minimum amount of Epi 1:10,000 that a pediatric patient should get in a cardiac arrest?
- ILS/ALS- 6. What is the correct dose of Epi for a pediatric patient in cardiac arrest?
- ALS- 7. What is the proper procedure for pacing a pediatric patient?
- ALS- 8. Do you need medical control orders to perform a needle decompression on a pediatric patient?

### **Section 25**

- BLS- 1. What is the dose of Epi for a pediatric patient with anaphylaxis?
- ILS- 2. How does an ILS provider treat a hypoglycemic pediatric patient?
- ILS- 3. What is the pediatric dose for Narcan at the ILS Level?
- ALS- 4. What is the Atropine dosing for children presenting with S/S of Organophosphate poisoning?
- ILS/ALS- 5. What is the pediatric IM dose of Versed for active seizures?

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ILS/ALS- 6. How does an ILS provider treat hypoglycemia in a pediatric patient?

ALS- 7. What is the dose of Narcan for a pediatric patient at the ILS level?

ALS- 8. What is the dose of Sodium Bicarb for a pediatric patient?

ALS- 9. What is the dose for Benadryl for a pediatric patient?

# Protocol Study Guide Reference Key

## Policy Section

1. Pg 3.A.1
2. Pg 3.A.3
3. Pg 3.E.1
4. Pg 3.E.3
5. Pg 3.F.1
6. Pg 4.B.1
7. Pg 4.B.2
8. Pg 4.B.3
9. Pg 4.B.3
10. Pg 4.C.2
11. Pg 4.D.1
12. Pg 4.E.1
13. Pg 5.A.2
14. Pg 5.A.2
15. Pg 5.A.3
16. Pg 5.A.3
17. Pg 5.A.3
18. Pg 5.A.3
19. Pg 5.D.2
20. Pg 5.D.2
21. Pg 5.H.1
22. Pg 5.H.1-H.4
23. Pg 5.I.1
24. Pg 5.J.1
25. Pg 6.A.4

## Section 11

1. Pg 11.C.1
2. Pg 11.F.3
3. Pg 11.F.4
4. Pg 11.C.2
5. Pg 11.E.2
6. Pg 11.E.2
7. Pg 11. E.3
8. Pg 11.E.1
9. Pg 11.E.3
10. Pg 11.D.2
11. Pg 11.F.4
12. Pg 11.G.2

## Section 12

1. Pg 12.A.1
2. Pg 12.A.2
3. Pg 12.A.2
4. Pg 12.D.6
5. Pg 12.D.5
6. Pg 12.D.4
7. Pg 12.A.2
8. Pg 12.A.2
9. Pg 12.B.1
10. Pg 12.E.1
11. Pg 12.E.1
12. Pg 12.F.2
13. Pg 12.F.2
14. Pg 12.G.2
15. Pg 12.C.2
16. Pg 12.E.1
17. Pg 12.E.1
18. Pg 12.E.2
19. Pg 12.F.3
20. Pg 12.K.1

## Section 13

1. Pg 13.D.1
2. Pg 13.G.1
3. Pg 13.G.1
4. Pg 13.E.4
5. Pg 13.G.2
6. Pg 13.J.1
7. Pg 13.E.4
8. Pg 13.E.7
9. Pg 13.E.7
10. Pg 13.E.7
11. Pg 13.F.2
12. Pg 13.H.1

## Section 14

1. Pg 14.H.1
2. Pg 14.A.1
3. Pg 14.A.2
4. Pg 14.B.2
5. Pg 14.B.4
6. Pg 14.E.1
7. Pg 14.H.3
8. Pg 14.I.1
9. Pg 14.D.2
10. Pg 14.I.1
11. Pg 14.I.2
12. Pg 14.A.2
13. Pg 14.C.1
14. Pg 14.G.2
15. Pg 14.C.1
16. Pg 14.E.2
17. Pg 14.G.2
18. Pg 14.H.3
19. Pg 14.J.1
20. Pg 14.J.1

## Section 15

1. Pg 15.A.3
2. Pg 15.D.1
3. Pg 15.C.2
4. Pg 15.A.2
5. Pg 15.A.2
6. Pg 15.B.2
7. Pg 15.B.2

## Section 16

1. Pg 16.A.1
2. Pg 16.A.5
3. Pg 16.A.5
4. Pg 16.G.2
5. Pg 16.H.2
6. Pg 16.J.1
7. Pg 16.K.2
8. Pg 16.C.2
9. Pg 16.J.1
10. Pg 16.K.1
11. Pg 16.K.2
12. Pg 16.B.2
13. Pg 16.E.1
14. Pg 16.I.1
15. Pg 16.D.2

## Section 17

1. Pg 17.A.1
2. Pg 17.A.2
3. Pg 17.A.2
4. Pg 17.C.3
5. Pg 17.A.1
6. Pg 17.B.2
7. Pg 17.A.3
8. Pg 17.A.1
9. Pg 17.B.2
10. Pg 17.D.2
11. Pg 17.A.1
12. Pg 17.A.1

## Section 18

1. Pg 18.E.3
2. Pg 18.F.1
3. Pg 18.E.1
4. Pg 18.F.1
5. Pg 18.D.1
6. Pg 18.D.1
7. Pg 18.E.2
8. Pg 18.B.2

## Section 20

1. Pg 20.A.1
2. Pg 20.D.1
3. Pg 20.A.1
4. Pg 20.E.3
5. Pg 20.E.2

## Section 21

1. Pg 21.B.1
2. Pg 21.A.1
3. Pg 21.C.1/C.4
4. Pg 21.D.4

## Section 22

1. Pg 22.B.1
2. Pg 22.B.1
3. Pg 22.B.1
4. Pg 22.B.1

## Section 23

1. Pg 23.B.2
2. Pg 23.D.1
3. Pg 23.B.2
4. Pg 23.B.2
5. Pg 23.B.2

## Section 24

1. Pg 24.D.1
2. Pg 24.G.1
3. Pg 24.G.1
4. Pg 24.A.3
5. Pg 24.B.1
6. Pg 24.B.1
7. Pg 24.D.2
8. Pg 24.I.3

## Section 25

1. Pg 25.C.1
2. Pg 25.A.2
3. Pg 25.D.2
4. Pg 25.D.3
5. Pg 25.B.3
6. Pg 25.A.2
7. Pg 25.D.2
8. Pg 25.D.2
9. Pg 25.C.2