

PRACTICAL CLINICAL COURSES

A Service of the Gordon J. Christensen
Career Development Program

V3913

Preparing for Your Next Medical Emergency

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PRACTICAL CLINICAL COURSES

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Gordon J. Christensen
PRACTICAL CLINICAL COURSES
Sources of Products Discussed in
**V3913 PREPARING FOR YOUR NEXT
MEDICAL EMERGENCY**

Presented by: Karl R. Koerner, DDS, MS & Gordon J. Christensen, DDS, MSD, PhD

1. **AED-10 (Defibrillator)**
Welch Allyn, Inc.
4341 State Street Road
Skaneateles Falls, NY 13153
(866)892-8361
(315)685-4100
www.welchallyn.com
2. **AMBUBAG (Adult & Child CPR Bag/Valve Mask)**
Healthfirst Corporation
P.O. Box 279
Edmonds, WA 98020
(800)331-1984
(425)771-5733
www.healthfirstcorp.com
3. **AUTOMATIC BLOOD PRESSURE MONITOR (w/ComFit Cuff)**
Omron Healthcare, Inc.
1200 Lakeside Drive
Bannockburn, IL 60015
(800)421-1223
(847)680-6200
www.omronhealthcare.com
4. **4010 EMERGENCY O₂ CART**
Healthfirst Corporation
P.O. Box 279
Edmonds, WA 98020
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Product names, the products themselves, and company names change rapidly. Please contact the companies shown to confirm current information.

**Gordon J. Christensen Practical Clinical Courses, 3707 North Canyon Road, Suite 3D, Provo, UT 84604
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PROGRAM

V3913 Preparing for Your Next Medical Emergency

CLINICIANS RESPONSIBLE:

Karl R. Koerner, DDS, MS
General Practitioner, Logan, Utah

Gordon J. Christensen, DDS, MSD, PhD
CEO, Practical Clinical Courses
CEO, CR Foundation
Practicing Prosthodontist, Provo, Utah

GOALS & OBJECTIVES

At the completion of this video presentation, participants should be able to accomplish the following:

1. Discuss reasons why knowledge about medical emergencies in the dental office is more necessary now than in the past.
2. Discuss treatment of angina pectoris.
3. Discuss the responsibility of dentists when a medical emergency occurs during dental treatment.
4. Describe an emergency plan for all office employees.
5. Describe a typical emergency kit.
6. Discuss vital sign monitors for use in the dental office.
7. Describe typical vital signs for a healthy person.
8. Discuss the need for a defibrillator (AED).
9. Describe the signs, symptoms, and emergency treatment for sudden cardiac arrest.
10. Describe the signs, symptoms, and treatment for syncope.
11. Describe the signs, symptoms, and treatment for angina pectoris.
12. Describe the signs, symptoms, and treatment for mild allergy.
13. Describe the signs, symptoms, and treatment for postural hypotension.
14. Describe the signs, symptoms, and treatment for seizure.
15. Describe the signs, symptoms, and treatment for an asthmatic attack/bronchospasm.
16. Describe the signs, symptoms, and treatment for hyperventilation.
17. Describe the signs, symptoms, and treatment for an epinephrine reaction.
18. Describe the signs, symptoms, and treatment for a local anesthetic reaction.
19. Describe the signs, symptoms, and treatment for insulin shock/hypoglycemia.
20. Describe the signs, symptoms, and treatment for anaphylactic shock.
21. Describe the signs, symptoms, and emergency treatment for myocardial infarction.
22. Describe the signs, symptoms, and emergency treatment for stroke.
23. Describe the signs, symptoms, and emergency treatment for swallowing an object.
24. Describe the signs, symptoms and emergency treatment for aspirating an object.
25. Discuss a course of action following a medical emergency in the dental office.

OVERVIEW

V3913 Preparing for Your Next Medical Emergency

This presentation is planned to be used as an in-service education program for dentists and dental team members to prepare them for the eventuality of a medical emergency occurring during oral therapy. It is suggested that the program should be observed during a staff meeting, and that the viewers should be shown the video content to the point where each of the emergency simulations is presented. The staff members should then discuss the emergency situation being portrayed and how to treat it before proceeding with the presentation and discussion by the presenters.

The following potential medical situations are shown:

1. angina pectoris
2. cardiac arrest
3. vasodepressor syncope
4. mild allergy
5. postural hypotension
6. seizure
7. asthmatic attack/bronchospasm
8. hyperventilation
9. epinephrine reaction
10. local anesthetic reaction
11. insulin shock/hypoglycemia
12. anaphylactic reaction
13. myocardial infarction
14. stroke
15. aspirating an object
16. swallowing an object

REFERENCES

V3913 Preparing for Your Next Medical Emergency

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10. Leonard M. Dental office emergencies. *J Am Dent Assoc* 1993; 124: 14, 16.
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POST-TEST

V3913 Preparing for Your Next Medical Emergency

1. Patient is cold and clammy, eyes roll back in head, and patient passes out. This condition is probably:
 - a. insulin shock.
 - b. syncope.
 - c. stroke.
 - d. myocardial infarction.

2. Patient feels weak; has crushing feeling in chest; and experiences pain down the left arm, left side of the neck, and into the left mandible. Condition is probably:
 - a. insulin shock.
 - b. myocardial infarction.
 - c. anaphylactic shock.
 - d. asthmatic attack.

3. Patient has difficulty breathing, is wheezing, and highly anxious. Condition is probably:
 - a. syncope.
 - b. asthmatic attack or bronchospasm.
 - c. cardiac arrest.
 - d. allergic response.

4. Patient has significant chest pain, which seems like indigestion. Patient becomes unconscious and has no pulse. Condition is probably:
 - a. myocardial infarction.
 - b. anaphylactic shock.
 - c. cardiac arrest.
 - d. insulin shock.

5. After a short time in the operatory, the patient is flushed, has skin eruptions similar to hives or rash, and experiences itching of skin. Condition is probably:
 - a. asthmatic attack.
 - b. insulin shock.
 - c. anaphylactic shock.
 - d. mild allergy.

6. Patient arches back, begins thrashing arms and legs, muscles are contracted, and convulsions begin. Condition is probably:
 - a. aspiration of an object.
 - b. seizure.
 - c. asthmatic attack.
 - d. myocardial infarction.

7. Patient has rapid, deep breathing, and fast pulse. Patient is anxious, dizzy, nauseated, and has paresthesia in tips of fingers. Condition is probably:
 - a. asthmatic attack.
 - b. insulin shock.
 - c. hyperventilation.
 - d. syncope.

POST-TEST (CONT'D)

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- 8. Patient has difficulty breathing, lightheadedness, localized swelling of the face, hypotension, and begins to lose consciousness. Condition is probably:
 - a. anaphylactic shock.
 - b. asthmatic attack.
 - c. syncope.
 - d. insulin shock.

- 9. Patient is cold, sweaty, lethargic, shaking slightly, has slurred speech, and has a history of diabetes. Condition is probably:
 - a. syncope.
 - b. insulin shock.
 - c. anaphylactic shock.
 - d. epinephrine reaction.

- 10. Blood pressure at 120-139 over 80-89 is considered to be:
 - a. high blood pressure.
 - b. average blood pressure.
 - c. low blood pressure.
 - d. prehypertension.

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