



Advanced CMA: Insulin Administration/Glucose Monitoring (Flex)
HO474

Hours: In Class 26 Clinical Total 26

Description

This FlexTrack self-pace course meets the OSDH guidelines for advanced CMA training in diabetes care. Student must pass the state written exam for Insulin/Glucose Monitoring test with a 80% at an additional cost to the student.

Nurse Aide Registry Student Responsibilities - The student is responsible to submit end of course paper work with a \$10.00 fee to the Nurse Aide Registry to be added as a CMA with Advanced standing.

Prerequisites

Current CMA certification, at least 18 years of age, current OK CNA certification with no abuse notations, minimum of 6 months CNA work experience, physical and mental capability to safely perform duties

Books

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|---------------------------|--------------------|-------------|
| Administering Medications | - ISBN: 0078455057 | (Suggested) |
| MNTC | - ISBN: | (Included) |

Learning Objectives

1. Advanced CMA Review

- >Review Chapter 677 Nurse Aide Training and Certification.
- >Discuss the 7 rights of medication Administration.
- >Explore the scope and responsibilities of the Advanced CMA.

2. Infection Control

- >Define "Universal Precautions".
- >Demonstrate safe handling of syringes, needles, pen devices, glucometer equipment, test strips, lancing device, and lancets.

3. Documentation

- Explain the reason for correct documentation of all aspects of diabetes management and care, including blood glucose results, quality control testing, >medication administration, and adverse reactions.
- >Identify correct forms for documentation.

4. Diabetes and Diabetes Management

- >Define diabetes as a chronic metabolic disorder in which the body is unable to metabolize glucose properly.
- >Describe the action of insulin in the body.
- >Explain the differences between the types of diabetes.
- >Explain the relationship between insulin, diet, physical activity, and management of diabetes.
- physical activity, and management of diabetes.
- >Explain how diabetes relates to blood glucose control.
- >List three carbohydrate choices used to treat hypoglycemia.
- >Describe measures to prevent hypo/hyperglycemia.
- >State when to contact and what to report to a licensed health care provider.
- >Identify appropriate blood glucose levels for persons with diabetes.
- >Define hypo/hyperglycemia and list three causes and symptoms.
- >Define and describe the differences between stable and unstable diabetes.
- >Demonstrate competency.

5. Medication

- >Explain the purpose of blood glucose testing.
- >Demonstrate how to accurately use blood glucose testing equipment.



- >Explain the quality control requirements for glucose monitoring equipment and demonstrate both high and low controls.
- >Explain the purpose and frequency of control testing.
- >State the correct administration times for insulin and oral agents relevant to meals and mechanisms of action.
- >Identify the preferred sites for injection and discuss rotation patterns.
- >Discuss the proper storage of insulin.
- >Demonstrate the accurate measurement and correct technique for preparation of a single and mixed dose of insulin.
- >Explain requirement to check insulin type and dose with another CMA or licensed provider.
- >Demonstrate administration of a dose of insulin (or saline) to self or another person.
- >Describe the purpose of insulin.
- >State the types of insulin and each onset, peak, and duration of action.
- >Explain the difference between basal and bolus insulin.
- >State common side effects, adverse reactions, and precautions for each oral agent
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- Explain the difference between basal and bolus insulin.

Teaching Philosophy

We believe that instructors, staff, and administrators have a shared responsibility to provide: 1) innovative course design and instruction; 2) a safe, learner-centered environment; and 3) an authentic learning experience.

Teaching Methods

We believe that a specific population of students will choose to learn from an individual study format. This format allows the student to work at their own pace while having instructors on site for individual assistance as well as available by phone or e-mail. Our lab, classrooms, and the Academic Resource Center are staffed to accommodate daytime and evening schedules.

One on One
Lab/Classroom Instruction
Lecture
Video
Online Research
Skills Demonstration/Return
Learning Activities
Textbook Analysis

Evaluation Methods

1. Assignments-Must be completed and turned into the instructor as directed in the LAP manual.
2. Lab Skills-A 100% skills demonstration proficiency is required for every lab check-off. There are four labs, and one lecture and practice that are required to be scheduled with an instructor. Must have Learning Activity Packet activities checked off by an instructor prior to the scheduled lab.
3. Students will complete one quiz and two exams. A 90% score on all quizzes and the exam must be achieved in order for students to pass the course.

Grading Policy

Certificate of completion requires minimum 90% on theory portion and 100% skills demonstration proficiency
Students must achieve a 90% passing grade.
Grade Scale:
90%-100% A
89% and below Fail

Student Responsibilities

To ensure a quality and safe learning environment, students are required to follow the Post-Secondary Student Behavior policy #560. This policy can be found at www.mntc.edu/board-policies. Printed copies are available upon request.
A 90% score on all quizzes and the exam must be achieved in order for students to pass the course.
All course work must be completed within 20 weeks of starting the course.



MOORE NORMAN
TECHNOLOGY CENTER

Course Syllabus

Current Certified Nurse Aide and Current Certified Medication Aide