

Continuing Education Quiz

A New Era in the Management of Diabetes: Inhaled Insulin

A New Era in the Management of Diabetes: Inhaled Insulin

July 2006 ACPE # 129-047-06-004-H01

- All of the following are rapid-acting insulin analogs EXCEPT:
 - aspart.
 - glargine.
 - glulisine.
 - lispro.
- With a fasting plasma glucose (FPG) test, the lowest level that defines diabetes is:
 - 26 mg/dL.
 - 99 mg/dL.
 - 126 mg/dL.
 - 199 mg/dL.
- Which of the following is a marker of insulin resistance and an independent risk factor for cardiovascular disease?
 - Hyperinsulinemia
 - Hypoinsulinemia
 - Hyperglycemia
 - Hypoglycemia
- All of the following statements about Exubera are true EXCEPT:
 - it is a dry powder formulation.
 - it is recombinant (rDNA) human insulin.
 - it comes in a blister pack to be used in combination with an inhaler device.
 - it comes in five dosage strengths.
- Compared to injectable insulin, the dose equivalence of Exubera is about:
 - three times greater than that of injectable insulin.
 - three times less than that of injectable insulin.
- The onset of action of Exubera is:
 - faster than that of regular human insulin.
 - slower than that of regular human insulin.
- The primary mechanism of insulin absorption across the alveolar capillary and epithelial cells is:
 - active transport.
 - iontophoresis.
 - passive diffusion.
 - unknown.
- Following inhalation, pulmonary delivery of insulin results in peak insulin levels within:
 - 1 to 5 minutes.
 - 15 to 20 minutes.
 - 30 to 35 minutes.
 - 40 to 45 minutes.
- Which of the following OTC medicines has a warning on its label advising persons with diabetes not to take them unless directed by a doctor?
 - Antihistamines
 - Decongestants
 - Expectorants
 - Laxatives
- Unopened blisters of Exubera should be stored:
 - in the freezer.
 - in the refrigerator.
 - at room temperature.

The Ohio Pharmacists Foundation Inc and NDSU College of Pharmacy are approved by ACPE as providers of continuing pharmaceutical education. To receive 1 1/2 hours (0.15 CEUs) of continuing education credit, complete the following and mail with *\$10.00 to:

Continuing Education Secretary
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North Dakota State University
Sudro Hall, Room 123
Fargo, ND 58105

**Fee increase due to industry support cutbacks.*

Name _____

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Zip _____

Your SSN will be used to maintain a permanent record of the courses you have taken. Your SSN will be kept confidential and will be used ONLY to identify you at NDSU.

Answer sheet may be copies as needed but original of answers is required.

COURSE EVALUATION

Evaluation Must Be Completed To Obtain Credit

How much time did this lesson require? _____

Today's Date _____

EXPIRATION DATE: 4-15-09

Learning objectives on first page were addressed.

1 Disagree - 5 Agree

Objective 1	1	2	3	4	5
Objective 2	1	2	3	4	5
Objective 3	1	2	3	4	5

Material was well organized and clear. 1 2 3 4 5

Content sufficiently covered the topic. 1 2 3 4 5

Material was non-commercial in nature. 1 2 3 4 5

Answer Sheet:

- | | |
|------------|-------------|
| 1. a b c d | 6. a b c d |
| 2. a b c d | 7. a b c d |
| 3. a b c d | 8. a b c d |
| 4. a b c d | 9. a b c d |
| 5. a b c d | 10. a b c d |