Frequently Prescribed Medications 3rd edition Mancano Test Bank

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Frequently Prescribed Medications, Third Edition
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Test Bank Chapter 2

Multiple Choice

1. Which medication is the drug of choice for initial treatment of a newly diagnosed patient with type 2 diabetes and no contraindications?

A. Lantus

B. Glucophage

C. Actos

D. Amaryl

Answer: B

Subject: Chapter 2

Complexity: Easy

2. All of the following are brand names of metformin, EXCEPT:

A. Glumetza

B. Fortamet

C. Diabeta

D. Riomet

Answer: C

Subject: Chapter 2

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Complexity: Easy

3. What is the initial starting dose for metformin?

A. 500 mg po BID

B. 1000 mg po BID

C. 1500 mg po BID

D. 2000 mg po BID

Answer: A

Subject: Chapter 2

Complexity: Easy

4. What is the average HbA1c reduction expected with metformin?

A. 0.7–1 %

B. 1–1.5 %

C. 1–2 %

D. 1.5–2 %

Answer: D

Subject: Chapter 2

Complexity: Easy

5. Which of the following drugs primarily works by decreasing hepatic glucose production?

A. Micronase

B. Januvia

C. Glucophage

D. Actos

Answer: C

Subject: Chapter 2

Complexity: Easy

6. What is the mechanism of action of sitagliptin?

A. Decreases hepatic glucose production

B. Inhibits di-peptidyl peptidase-4

C. Stimulates peripheral glucose uptake

D. Direct GLP-1 agonist

Answer: B

Subject: Chapter 2

Complexity: Easy

7. Which class of drugs may cause SIADH in rare instances?

A. Biguanide

B. Sulfonylurea

C. Insulin

D. DPP-4 inhibitor

Answer: B

Subject: Chapter 2

Complexity: Easy

8. All of the following medications may cause weight gain, EXCEPT:

A. Metformin

B. Glyburide

C. Insulin detemir

D. Pioglitazone

Answer: A

Subject: Chapter 2

Complexity: Easy

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9. Which of the following medications is indicated for the treatment of diabetic ketoacidosis?

A. Glucophage

B. Actos

C. Insulin

D. Januvia

Answer: C

Subject: Chapter 2

Complexity: Easy

10. Which insulin comes in a highly concentrated 500 units/ml, 20-ml vial, and should be used with caution?

A. NPH

B. Glargine

C. Regular

D. Detemir

Answer: C

Subject: Chapter 2

Complexity: Easy

11. What does Humulin 70/30 contain?

A. 70% NPH and 30% regular insulin

B. 30% NPH and 70% regular insulin

C. 70% glargine and 30% regular insulin

D. 30% glargine and 70% regular insulin

Answer: A

Subject: Chapter 2

Complexity: Easy

12. Which medication should be discontinued immediately and a healthcare provider notified if unexplained myalgia, malaise, or hyperventilation occurs?

A. Pioglitazone

B. Glipizide

C. Sitagliptin

D. Metformin

Answer: D

Subject: Chapter 2

Complexity: Easy

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13. All of the following are examples of sulfonylureas, EXCEPT?

A. Glipizide

B. Sitagliptin

C. Glyburide

D. Glimepiride

Answer: B

Subject: Chapter 2

Complexity: Easy

14. Which of the following is an example of a biguanide?

A. Amaryl

B. Actos

C. Glucophage

D. Januvia

Answer: C

Subject: Chapter 2

Complexity: Easy

15. Insulin is released from:

A. ß-cells of the liver

B. α-cell of the pancreas

C. ß-cells of the pancreas

D. α-cell of the liver

Answer: C

Subject: Chapter 2

Complexity: Easy

16. What is the typical initial starting dose of insulin?

A. 0.1–0.5 unit/kg per day

B. 0.5–1 unit/kg per day

C. 1–5 units/kg per day

D. 5–10 units/kg per day

Answer: B

Subject: Chapter 2

Complexity: Easy

17. What is the dosing recommendation for insulin when a patient's CrCl is 10–50 ml/min?

A. Administer 100% normal dose

B. Administer 75% normal dose

C. Administer 50% normal dose

D. Administer 10% normal dose

Answer: B

Subject: Chapter 2

Complexity: Easy

18. What should the dose of glargine be when changing to insulin glargine from twice-daily insulin NPH?

A. Increase by 20% and adjust accordingly

B. Increase by 10% and adjust accordingly

C. Decrease by 20% and adjust accordingly

D. Decrease by 10% and adjust accordingly

Answer: C

Subject: Chapter 2

Complexity: Easy

19. Humulin R insulin should be dosed:

A. 15 minutes prior to a meal

B. 30 minutes prior to a meal

C. 30 minutes after a meal

D. At bedtime

Answer: B

Subject: Chapter 2

Complexity: Easy

20. What is the maintenance dose of glyburide?

A. 1–8 mg once daily

B. 2.5–5 mg once daily

C. 1.25–20 mg once daily

D. 10–40 mg once daily

Answer: C

Subject: Chapter 2

Complexity: Easy

21. Insulin glargine can only be mixed with which of the following insulin in the same syringe?

A. Regular

B. NPH

C. Detemir

D. None of the above

Answer: D

Subject: Chapter 2

Complexity: Easy

22. Which of the following pairs of insulin and description do not match?

A. Regular: Short-acting

B. Lispro: Rapid-acting

C. Detemir: Long-acting

D. Glargine: Intermediate-acting

Answer: D

Subject: Chapter 2

Complexity: Easy

23. What is the average HbA1c reduction expected with Sitagliptin?

A. 0.7–1 %

B. 1–1.5 %

C. 1–2 %

D. 1.5–2 %

Answer: A

Subject: Chapter 2

Complexity: Easy

24. Urinary tract infections, genitourinary fungal infections, and ketoacidosis are side effects of which of the following medications?

A. Liraglutide

B. Canagliflozin

C. Sitagliptin

D. Pioglitazone

Answer: B

Subject: Chapter 2

Complexity: Easy

25. Which medication is currently contraindicated for use in patients with GFR: < 30 ml/min?

A. Exenatide

B. Metformin

C. Dapagliflozin

D. All of the above

Answer: D

Subject: Chapter 2

Complexity: Easy

26. Which of the following statement is TRUE when treating a patient with type 2 diabetes and NYHA class I heart failure with pioglitazone?

A. Initial dose is 15 mg once daily

B. Initial dose is 30 mg once daily

C. Initial dose is 45 mg once daily

D. Contraindicated

Answer: A

Subject: Chapter 2

Complexity: Easy

27. Which of the following renal function and corresponding recommended dose of sitagliptin does NOT match?

A. CrCl $\geq$ 50 ml/min : 100 mg once daily

B. CrCl $\geq$ 30 to < 50 ml/min : 50 mg once daily

C. CrCl < 30 ml/min : 25 mg once daily

D. CrCl < 15 ml/min : Contraindicated

Answer: D

Subject: Chapter 2

Complexity: Easy

28. Blurred vision, palpitations, shakiness, slurred speech, and sweating in a patient taking glipizide are signs of:

A. Hyperglycemia

B. Liver dysfunction

C. Lactic acidosis

D. Hypoglycemia

Answer: D

Subject: Chapter 2

Complexity: Easy

29. What is the onset of action of regular insulin?

A. 0.25 hours

B. 0.5–1 hour

C. 2–4 hours

D. 4 hours

Answer: B

Subject: Chapter 2

Complexity: Easy

30. Hepatic failure, bladder cancer, and heart failure are all rare but serious side effects of which class of drugs?

A. Biguanide

B. Sulfonylurea

C. Thiazolidinedione

D. Insulin

Answer: C

Subject: Chapter 2

Complexity: Easy

31. The pregnancy category for Glucophage is:

A. A

B. B

C. C

D. X

Answer: B

Subject: Chapter 2

Complexity: Easy

32. All of the following statements are TRUE regarding Afrezza, EXCEPT:

A. FEV1 should be performed at baseline and every 6 months

B. It is a long-acting insulin product

C. Contraindicated in patient with asthma or COPD

D. Should be avoided in patients with active lung cancer

Answer: B

Subject: Chapter 2

Complexity: Easy

33. All of the following are indications for the use of insulin, EXCEPT:

A. Type 1 diabetes

B. Type 2 diabetes

C. DKA

D. Hypokalemia

Answer: D

Subject: Chapter 2

Complexity: Easy

34. What is the dosing recommendation for Pioglitazone in a patient with type 2 diabetes who is also taking gemfibrozil?

A. Maintenance dose is 15 mg once daily

B. Maintenance dose is 30 mg once daily

C. Maintenance dose is 45 mg once daily

D. Contraindicated

Answer: A

Subject: Chapter 2

Complexity: Easy

35. What is the mechanism of action of Jardiance?

A. Peroxisome proliferator-activated receptor gamma agonist

B. Glucagon-Like Peptide-1 agonist

C. Sodium-glucose cotransporter 2 inhibitor

D. Stimulates insulin secretion from the pancreas

Answer: C

Subject: Chapter 2

Complexity: Easy