Reducing the Risk of Cardiovascular Disease in Patients With Diabetes

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Sample of Online Posttest

Choose the best answer for each of the following:

- 1. Traditional cardiovascular (CV) risk factors for type 2 diabetes (T2D) include which of the following?
 - A. Arrhythmia
 - B. Hypotension
 - C. Dyslipidemia
 - D. Body mass index (BMI) less than 30
- 2. Jennifer has T2D and struggles with maintaining her diet and a regular exercise program. A recent physical exam and labs revealed the following: glycated hemoglobin, 8.5%; low-density lipoprotein cholesterol, 162 mg/dL; blood pressure, 140/92 mm Hg; and a BMI of 32. Which of the following T2D features is strongly associated with obesity and hypertension?
 - A. Insulin resistance
 - B. Dyslipidemia
 - C. Poorly controlled blood sugars
 - D. Smoking
- 3. Which of the following studies clearly demonstrated the link between early intensive glycemic therapy and a lower risk of macrovascular complications?
 - A. UKPDS
 - B. ACCORD
 - C. ADVANCE
 - D. CVD-REAL
- 4. In addition to achieving superiority in the primary outcome of 3P-MACE, which of the following agents demonstrated a significant benefit in reduction of nonfatal stroke?
 - A. Empagliflozin
 - B. Pioglitazone
 - C. Semaglutide
 - D. Liraglutide

- 5. In addition to the primary outcome, the EMPA-REG trial demonstrated noninferiority of empagliflozin versus placebo in which of the following secondary outcomes?
 - A. All-cause mortality and nonfatal stroke
 - B. Nonfatal myocardial infarction
 - C. CV death and nonfatal stroke
 - D. CV death and all-cause mortality
- 6. Which of the following agents has been shown to increase the risk of heart failure?
 - A. Pioglitazone
 - B. Canagliflozin
 - C. Liraglutide
 - D. Semaglutide
- A recent estimate on economic costs indicated that CV disease accounts for _______ of medical expenditures associated with diabetes in people aged 45 to 64 years.
 - A. 10%
 - B. 27%
 - C. 33%
 - D. 50%
- 8. In 2008, the FDA issued a guidance that recommended the evaluation of CV risks for new antidiabetic drugs. Based on clinical trial data, the SGLT2 inhibitors empagliflozin and canagliflozin and select glucagon-like peptide-1 receptor agonists (GLP-1 RAs), liraglutide and semaglutide:
 - A. Have no impact on the risk of major CV adverse events
 - B. Increase the risk of major CV adverse events
 - C. Reduce the risk of major CV adverse events
 - D. Have an undetermined risk of major CV adverse events

- 9. Based on the results of the CVD-REAL study, which of the following treatments was associated with lower rates of myocardial infarction and stroke?
 - A. Biguanides
 - B. Insulin
 - C. SGLT2 inhibitors
 - D. DDP-4 inhibitors

- 10. SGLT2 inhibitors have demonstrated significant beneficial CV outcomes and are generally well tolerated. In making individualized treatment decisions, which of the following are potential adverse events?
 - A. Insomnia
 - B. Prolonged and frequent migraines
 - C. Increased risk of bone fracture and decreased bone mineral density
 - D. Increased risk of eczema and skin rashes

SAMPLE POSTTEST