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# CME Post Test for Advanced HCC

Answers: 1) c; 2) d; 3) c; 4) b; 5) c; 6) b; 7) d; 8) d; 9) a; 10) c

1. Chronic alcohol exposure is correlated with an increased risk of HCC through overexpression of which growth factor?
    - a. PDGF
    - b. EGF
    - c. VEGF
    - d. FGF
  
  2. \_\_\_\_\_ targets the Raf-1 kinase, in addition to VEGFR-2 and other receptors.
    - a. Erlotinib
    - b. Sunitinib
    - c. Bevacizumab
    - d. Sorafenib
  
  3. In the randomized phase 3 sorafenib (SHARP) trial, median overall survival (OS) was how many months for sorafenib-treated patients?
    - a. 7.4 months
    - b. 9.6 months
    - c. 10.7 months
    - d. 12.3 months
  
  4. Which of the following statements about the SHARP trial is true?
    - a. About 75% patients in SHARP had Child-Pugh B cirrhosis.
    - b. About 47% of patients in SHARP had viral hepatitis.
    - c. About 92% patients in SHARP had poor performance status.
    - d. The response rate in the sorafenib arm in SHARP was approximately 9%.
  
  5. Stable disease with sorafenib therapy for advanced HCC has correlated to which of the following clinical features?
    - a. Liver edema
    - b. Lung metastasis
    - c. Central tumor necrosis
    - d. Rapid tumor shrinkage
  
  6. In a phase 2 study of sunitinib for advanced HCC, tumor permeability decreased by an average of 38% following \_\_\_\_\_ of sunitinib therapy?
    - a. 1 week
    - b. 2 weeks
    - c. 4 weeks
    - d. 6 weeks
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7. Bevacizumab was paired with which EGFR inhibitor in a phase 2 study in advanced HCC?
    - a. Gefitinib
    - b. Cetuximab
    - c. Panitumumab
    - d. Erlotinib
  
  8. Which of the following statements is true?
    - a. Tumors that evade anti-VEGF therapy are generally more VEGF dependent.
    - b. Drug efflux is an established mechanism of VEGF escape.
    - c. Inhibiting EGFR is believed to make tumors less susceptible to VEGF inhibition.
    - d. Cooption of existing vessels is thought to be a mechanism of VEGF escape.
  
  9. Metronomic chemotherapy is thought to inhibit angiogenesis through which of the following mechanisms?
    - a. Inhibiting mobilization of endothelial progenitor cells
    - b. Blocking uptake of VEGF by tumor cells
    - c. Inhibiting activation of the EGFR receptor in response to ligand binding
    - d. Blocking VEGF contribution by host stroma
  
  10. Hand-foot skin reaction and rash were most frequently associated with which antiangiogenic agent for HCC?
    - a. Bevacizumab
    - b. Sunitinib
    - c. Sorafenib
    - d. Temsirolimus
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