POST-TEST

Biomarker Analysis and the Implications for the Treatment of Non-Small Cell **Lung Cancer**

TH YELLOW HIGHLIGHTING.

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	a.	Carb	oplat	in/ <i>na</i>	ab p	acli	taxe	el	
	b.	Carb	oplat	in/pe	eme	trex	ed/b	oevacizumab	
	C.	Pem	broliz	zuma	ab				
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- study evaluating alectinib versus crizotinib for treatment-naïve, advanced ALK-positive NSCLC demonstrated a significant improvement in favor of alectinib with respect to
 - a. Progression-free survival
 - b. Overall survival
 - c. Incidence of CNS progression
 - d. All of the above
 - e. Both a and c
- 3. Recent studies presented at ASCO 2017 demonstrated that T-DM1 elicited a higher response rate for patients with HER2-mutant lung cancer than for those with HER2-overexpressed disease.
 - a. True
 - b. False
- 4. Mechanisms of acquired resistance to EGFR TKIs include
 - a. Development of the T790M mutation
 - b. MET amplification
 - c. HER2 amplification
 - d. All of the above
- 5. The incidence of RET fusion in patients with lung adenocarcinomas is approximately
 - a. 1% to 2%
 - b. 5%
 - c. 10%

6.	Which of the following statements is true
	regarding MET exon 14 alterations?

- a. They may result from a splice variant that increases MET signaling
- b. They respond well to crizotinib
- c. They do not occur concomitantly with MET amplification
- d. All of the above
- e. Both a and b
- 7. In the survey of 25 clinical investigators analyzing the sequencing of systemic therapy for metastatic NSCLC, for patients with BRAF V600E mutation-positive NSCLC a majority of the investigators chose as the preferred option in the first-line setting, irrespective of TPS.
 - a. Anti-PD-1/PD-L1 antibodies
 - b. Chemotherapy
 - c. Dabrafenib/trametinib
- 8. Patients with EGFR mutation-positive NSCLC are _ to respond to immunotherapy than are patients who do not have targetable mutations.
 - a. More likely
 - b. Less likely
- 9. Recent data suggest that mutation that confers resistance to alectinib in patients with ALK-rearranged NSCLC.
 - a. G1202R
 - b. T790M
 - c. C797S
- 10. The third-generation EGFR TKI osimertinib
 - a. Demonstrates activity in patients with or without the EGFR T790M mutation
 - b. Is effective for patients with brain metastases
 - c. Both a and b