

EXAMINATION

1. The patient is a 65-year-old male with a long history of hypertension and a recent diagnosis of type 2 diabetes. He is currently on lisinopril and metformin. He presents with a 2-week history of increasing fatigue, weight loss, and a persistent cough. He also reports occasional dizziness and blurred vision. Physical examination reveals a blood pressure of 160/100 mmHg, a heart rate of 95 bpm, and a respiratory rate of 18. There are no crackles or wheezes on lung auscultation. The patient's hemoglobin A1c is 8.5%, and his serum creatinine is 1.2 mg/dL. A chest X-ray shows a small nodule in the right upper lobe. The patient is concerned about the possibility of lung cancer.

QUESTIONS

1. What is the most likely diagnosis for the patient's persistent cough and weight loss?
2. What are the risk factors for the patient's condition?
3. What is the most appropriate next step in the patient's management?
4. How should the patient's hypertension be managed given his comorbidities?
5. What are the potential complications of the patient's diabetes?

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