

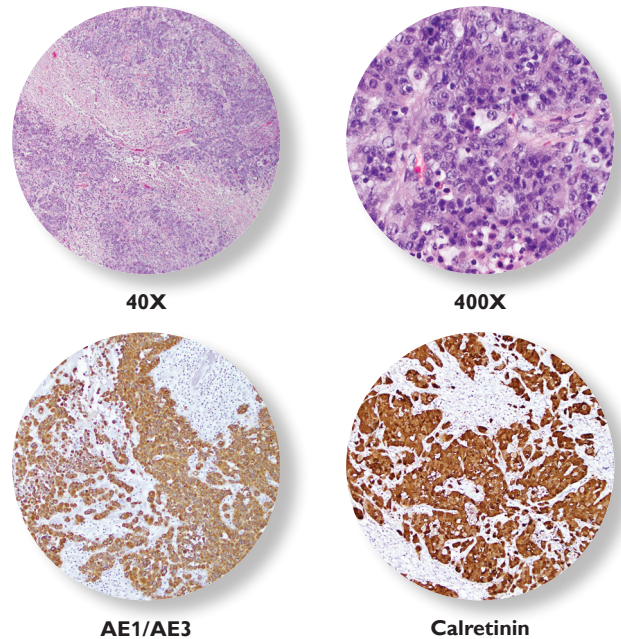
CASE STUDY

Case Presentation:

A 73-year-old woman presented with a palpable mass in her right flank region near the posterolateral aspect of the right breast. CT imaging analysis demonstrated a nodular lesion in the subcutaneous fat measuring 4.8 x 3.8 x 2.7 cm. The imaging study also revealed two sub-centimeter nodules in the right lower lobe of the lung with marked hilar lymphadenopathy. The patient's past medical history was significant for heavy smoking, right hemicolectomy for colon cancer one year ago, and a remote right breast lumpectomy for unknown benign lesions. Her colon cancer was staged as T3 N0 MX at the time of resection. A wide local excision of this subcutaneous mass was performed. Grossly, the mass appeared to be circumscribed and was composed of tan-gray friable tissue with central necrosis and hemorrhage. Microscopic examination revealed a high-grade undifferentiated malignant neoplasm.

Table 1. The Immunostaining Results

Markers	Results
AE1/AE3	Diffusely Positive
Calretinin	Diffusely Positive
CK7	Negative
CK20	Negative
TTF1	Negative
Napsin A	Negative
CDX2	Negative
ER	Negative
CD45	Negative
HMB45	Negative



1. What is your diagnosis?
2. What additional immunostains will substantiate your diagnosis (please list one or two stains)?

Your name and contact information (including phone number and email):