

CASE STUDY #2

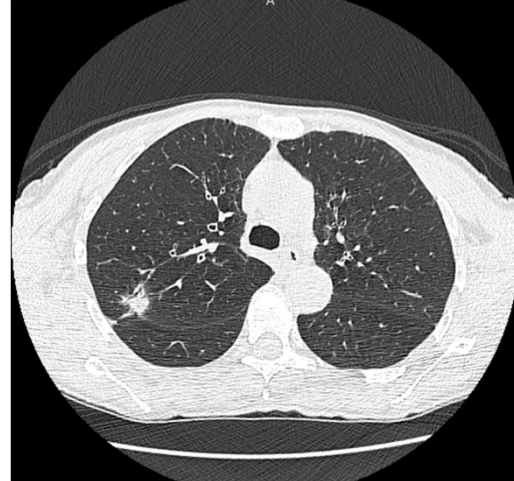
75-year old female

Current smoker, 20 pack year history

Found to have suspicious RUL nodule after imaging performed due to a cough

Underwent robotic bronchoscopy with cells suspicious for malignancy but not definitive. EBUS lymph node sampling negative.

Referred to our team



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Options:

CT-guided needle biopsy

Excisional Biopsy via VATS wedge resection



Low level hypermetabolic activity, SUV MAX 1.5

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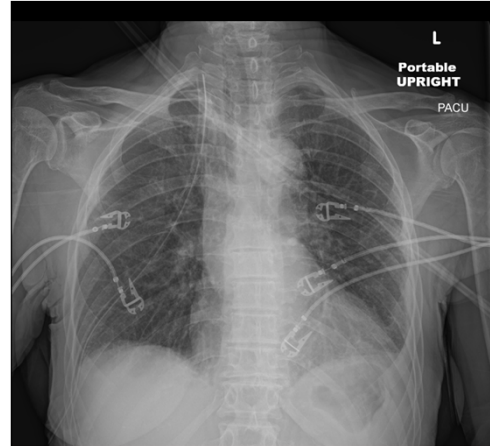
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Elected to proceed with Right VATS, Right Upper Lobe Wedge Resection

- Diagnosis and Treatment
- Discharged home POD # 1
- Final pathology: 2.2cm invasive adenocarcinoma
pT1c N0 M0 → Stage IA3

Plan for surveillance imaging beginning with CT chest with IV contrast in 6 months



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CASE STUDY #3

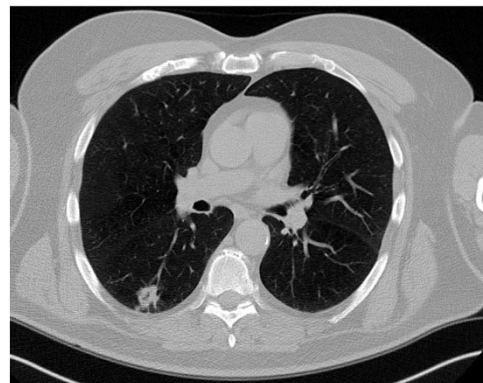
66-year old male

Former smoker, 40 pack year smoking history, quit in 2022

Underwent initial LDCT for lung cancer screening which revealed RLL nodule

PET/CT showed hypermetabolic uptake and mild uptake within right hilar lymph node

Underwent CT-guided needle biopsy and EBUS



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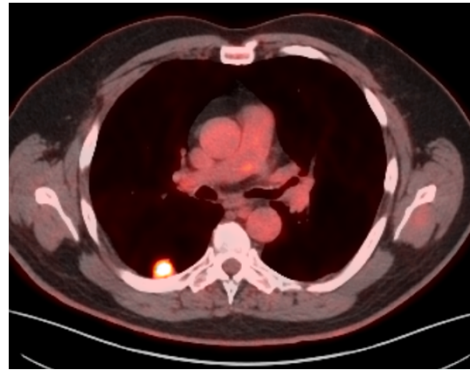
Biopsy of lung nodule positive for adenocarcinoma

High PD-L1 expression

EBUS showed positive lymph nodes at Station 11R and Station 4R

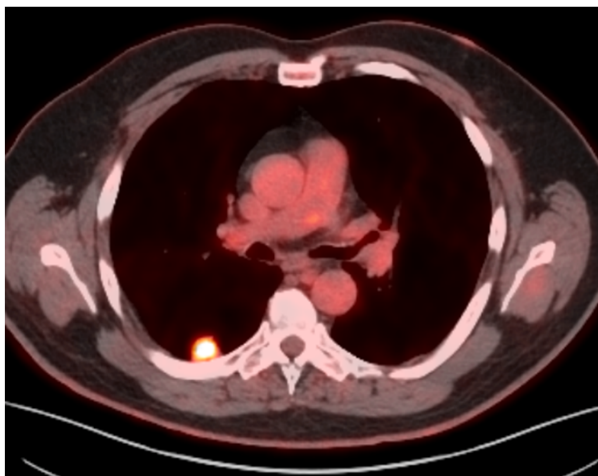
Pathological Stage: pT1c N2 M0 – Stage IIIA

Completed induction chemoimmunotherapy with marked response on follow up PET/CT



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CASE STUDY #3



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CASE STUDY #3

Proceeded with surgical resection via right VATS, right lower lobectomy

- Discharged home POD # 2
- Final pathology: no residual adenocarcinoma, negative lymph nodes!

Plan to return to Medical Oncology for ongoing surveillance



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REFERENCES

- Deffebach, M., & Humphrey, L. *Screening for Lung Cancer*. UpToDate. <https://www.uptodate.com/contents/screening-for-lung-cancer>.
- American Cancer Society: Cancer Facts and Figures 2023. American Cancer Society, 2023.
- NATIONAL CANCER INSTITUTE. *Non-Small Cell Lung Cancer Treatment (PDQ®)–Health Professional Version - National Cancer Institute*. [www.cancer.gov](https://www.cancer.gov/types/lung/hp/non-small-cell-lung-treatment). <https://www.cancer.gov/types/lung/hp/non-small-cell-lung-treatment>

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