A Patient with Double-hit Follicular Lymphoma

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BACKGROUND

- Follicular lymphoma is a common indolent Bcell non-Hodgkin lymphoma with the BCL2 mutation.
- Patients with follicular lymphoma and the MYC mutation are a newly described rare subtype.

PRESENTATION

A 76 year old man with severe PTSD, hypertension, and hyperlipidemia whose dentist noticed a persistent lump over his right parotid gland for over 7 months.

INITIAL WORK-UP

- The patient was seen by ENT and completed a fine needle aspiration then a Tru-cut biopsy of his parotid lesion, which showed atypical B cell proliferation with IgH/BCL2 rearrangement in 80% of cells but unable to characterize further.
- The patient subsequently presented to the HemeOnc clinic for further work-up.

REFERENCES

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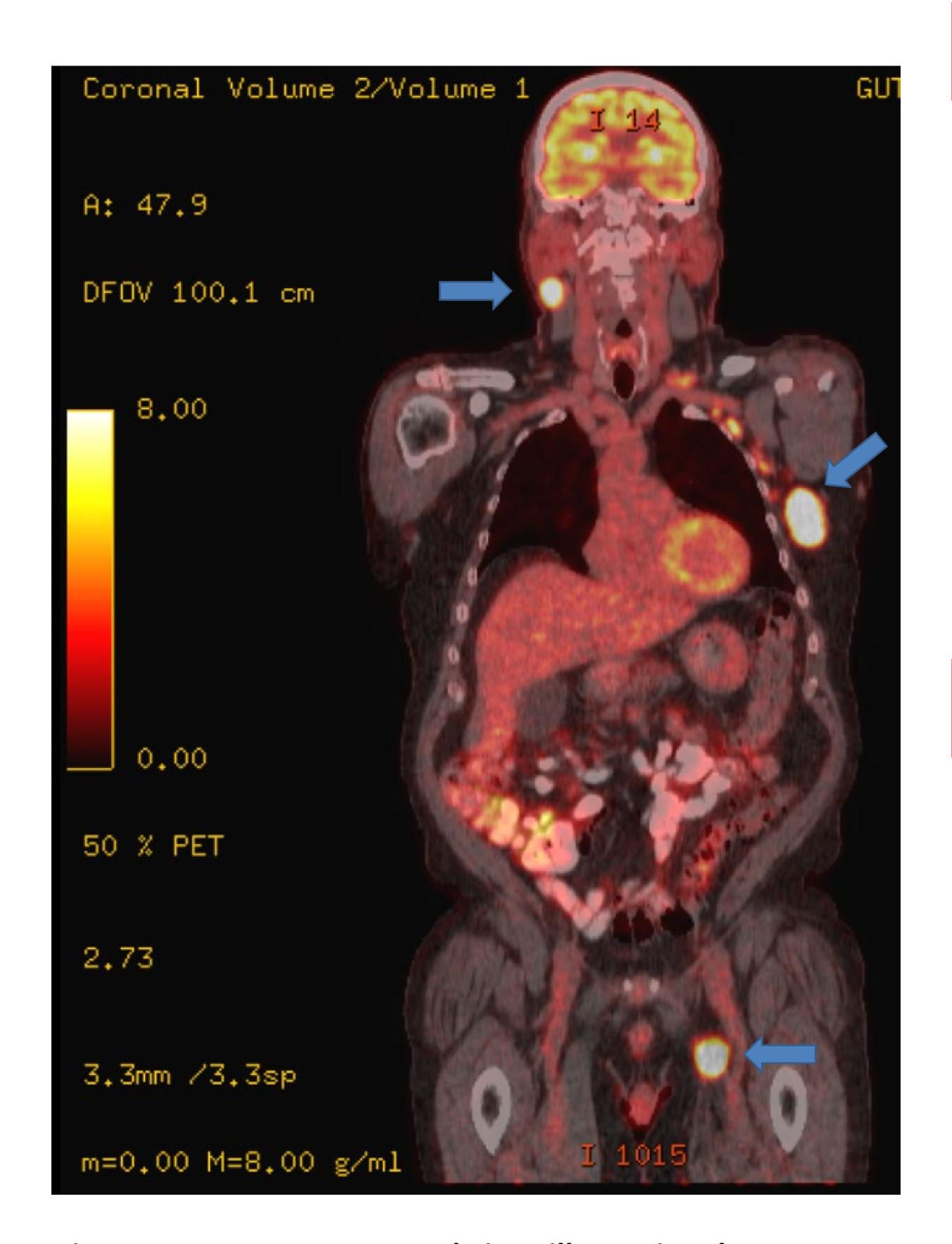


Figure 1. PET CT scan coronal view, illustrating three areas of increased SUV (arrows): multiple hyper-metabolic lesions, including a 2.7 x 2.2 cm hypermetabolic lymph node anterior lateral to the right sternocleidomastoid (SUV 11.5), multiple hypermetabolic lymph nodes under left clavicle extending to the left axillary area (SUV 9.7 and 9.0), and large hypermetabolic lymph nodes in bilateral inguinal areas (SUV 13.1 and 8.7).

DIAGNOSIS

- Excisional biopsy of the left axillary lymph node yielded a high-grade follicular lymphoma Grade 3, with the rearrangement of MYC in 72% of cells and a variant lgH/BCL2 in 80% of cells.
- Bone marrow biopsy was negative.
- The diagnosis of stage III double hit follicular lymphoma was made. The patient was initiated on chemotherapy with Repoch and filgrastim.

DISCUSSION

- Double-hit follicular lymphoma are newly described and extremely rare and a total of 40 cases have been reported in the world literature.
- Specifically, the MYC and IgH/BCL2
 rearrangements, as with this patient's
 double-hit, are usually seen with high grade
 lymphomas, such as diffuse large B cell
 lymphoma.
- This case reports a rare form of lymphoma with no established guidelines. The outcomes of this patient's treatment will be an important addition to the literature.

