A 65-year-old male, smoker, presented with complaints of dry cough, chest pain, and low-grade fever for the last 3 months in the pulmonary department. Multifocal dense consolidations involving bilateral lungs fields were discovered on simple chest X-rays [Figure 1]. His vital signs on admission were normal and laboratory results were white blood cells 5400/mm$^3$, hemoglobin 15.2 g/dL, hematocrit 39.2%, platelet 188 k/mm$^3$, and erythrocyte sedimentation rate 5 mm/h. A serology test and culture for mycoplasma and tuberculosis were all negative. Chest and abdomen computed tomography showed multifocal dense consolidations involving bilateral lungs with perihilar predominance and hypodense bilateral adrenal masses [Figure 2]. Bronchoscopic findings were nonspecific.

What Is the Diagnosis?
A. Carcinoma lung with Mets
B. Infective causes.

Answer
- Histoplasmosis.

Fine needle aspiration cytology from both lung and adrenal glands showed uniform round-to-ovoid budding yeast surrounded by clear ring of space are seen intracellularly (in macrophages) as well as extracellularly. Background also shows chronic inflammatory cells. On periodic acid Schiff (PAS) staining [Figure 3] and hematoxylin and eosin (H and E) staining [Figure 4], numerous capsules yeasts such as fungal organism with budding were evident morphologically *Histoplasma* species.

Financial support and sponsorship
Nil.

Figure 1: Chest X-ray posteroanterior view

Figure 2: Chest and abdomen computed tomography

Figure 3: H and E, ×20

Figure 4: PAS, ×40
Conflicts of interest

There are no conflicts of interest.

Lokesh Kumar Rawat, Sunita Khandelwal¹, Hemant Dadhich²

¹Department of Radiodiagnosis, Shri Balaji Diagnostic Centre,
²Department of Paediatrics, Government Medical College,
Department of Medical Oncology, Cancer Research Centre,
Kota, Rajasthan, India

Address for correspondence:
Dr. Hemant Dadhich,
_department of Medical Oncology, Cancer Research Centre,
Kota, Rajasthan, India.
E-mail: hkdadhich@gmail.com

Submitted: 12-Nov-2019
Accepted in Revised Form: 18-Nov-2019
Published: 04-Dec-2019

How to cite this article: Rawat LK, Khandelwal S, Dadhich H. A man with pulmonary and bilateral adrenal lesions. Indian J Med Paediatr Oncol 2019;40:432-3.