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# Disseminated histoplasmosis presenting with chronic ulcerative tongue lesions in a patient with diabetes

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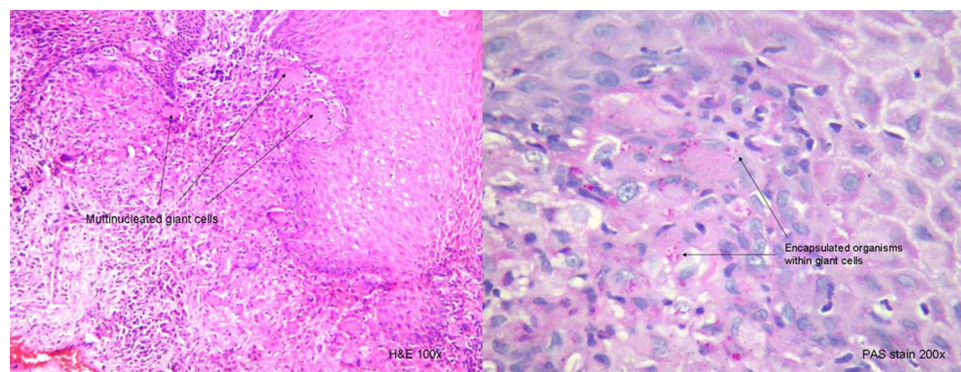
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## DESCRIPTION

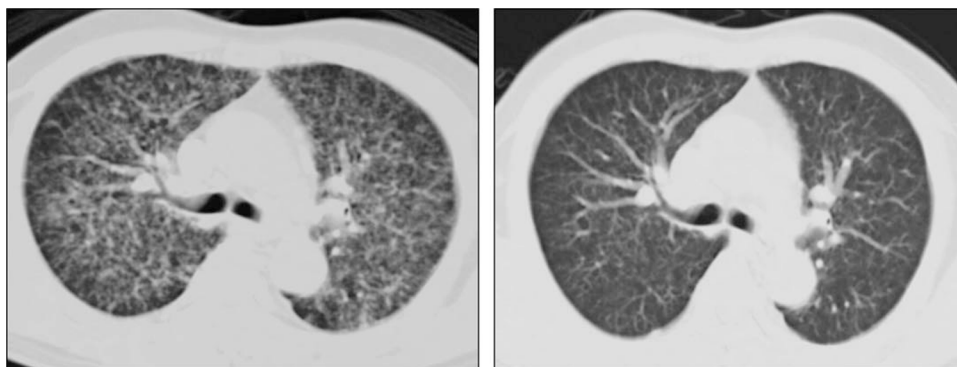
We describe a case of chronic tongue ulceration with systemic symptoms in a patient with poorly controlled diabetes. A biopsy of a lesion from the posterior third of the tongue showed features typical of histoplasmosis (figure 1). A CT of the thorax and abdomen revealed a diffuse reticulonodular pattern bilaterally (figure 2A). The intra-abdominal organs were normal. A diagnosis of disseminated histoplasmosis was made. The patient was started on intravenous amphotericin B for 3 weeks followed by oral

itraconazole 100 mg twice a day for 1 month. A repeat CT thorax 6 weeks after antifungal treatment revealed resolution of the lesions (figure 2B).

Disseminated histoplasmosis refers to a process of severe fungus colonisation in the lungs and other organs and body sites.<sup>1</sup> The first ever case of disseminated histoplasmosis in a patient with diabetes living in a non-endemic area was reported in 1977.<sup>2</sup> Since the AIDS epidemic, disseminated histoplasmosis is more commonly seen. Chronic infection often presents with pancytopenia, hepatosplenomegaly,



**Figure 1** Tissue biopsy taken from the tongue lesion shows multinucleated giant cells containing encapsulated fungal organism.



**Figure 2** (A) CT of the thorax showing a diffuse reticulonodular pattern bilaterally which was more evident in the upper and middle zones. (B) CT of the thorax showing resolution of the reticulonodular shadowing 6 weeks after treatment.

hepatitis and oropharyngeal or gastrointestinal lesions.<sup>3</sup> A definitive diagnosis requires a positive blood culture or histological demonstration in involved tissue.<sup>3</sup>

## Learning points

- ▶ Despite no obvious immunocompromise except for diabetes, a high suspicious of index is required to diagnose disseminated histoplasmosis.
- ▶ Recognition of the typical fungal infection is essential for a correct diagnosis.
- ▶ The finding of a diffuse reticulonodular pattern on CT of the thorax should be correlated with clinical presentation for accurate diagnosis and treatment.

**Competing interests** None.

**Patient consent** Obtained.

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