

## Undefined mass in head-neck region on iodine-123 scan

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**Figure 1.** A CT scan of the head and neck shows a contrast enhancing mass at the base of the tongue



**Figure 2.** An Iodine-123 SPECT CT scan shows high uptake in the mass



### CASE REPORT

A 30-year-old Caucasian woman was referred to the ear-nose-throat outpatient clinic complaining of dysphagia, otalgia and fever for four days. She did not have any relevant medical history. Under the suspicion of a pharyngeal abscess, a computed tomography (CT) scan was made, confirming the diagnosis; however, a contrast-enhancing mass at the base of the tongue was also visible (figure 1). An iodine-123 single photo emission tomography (SPECT)/CT scan was made, showing high iodine uptake in the lesion at the base of the tongue (figure 2).

### What is your diagnosis?

See page 232 for the answer to this photo quiz