

# Aural foreign body in situ for 9 years mimicking impacted wax

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## DESCRIPTION

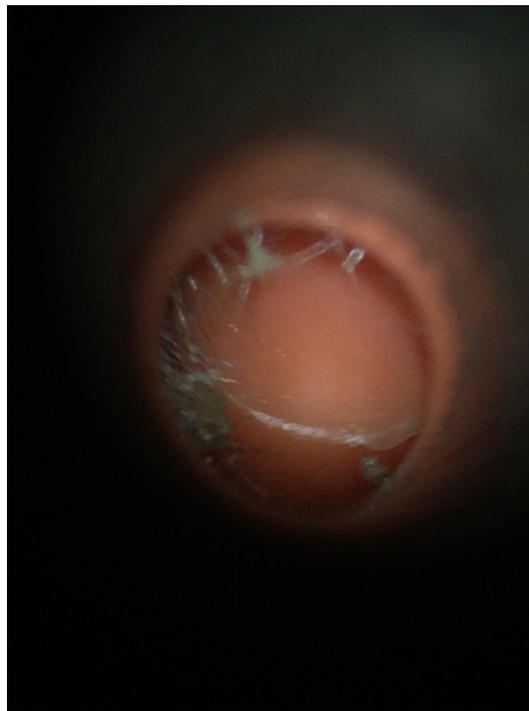
An 11-year-old girl presented following a long-standing history of unilateral tinnitus, aural fullness and discomfort. She had seen multiple primary care doctors and repeatedly been diagnosed with unilaterally impacted wax. While on holiday in Bali she unfortunately suffered from tonsillitis and received a full ear, nose and throat (ENT) examination. A wax-coloured bead was identified in her external auditory canal (figures 1 and 2). On return to the UK she attended our ENT outpatient department for an uneventful removal of the foreign body under general anaesthetic.

On reflection, the child's mother recalled witnessing the child placing the bead in her ear at the age of 2. Fortunately, due to the inert nature of this foreign body no lasting damage was caused.

Organic foreign bodies may cause significant inflammation through activation of the immune system. A button battery in the ear canal may cause permanent damage through electrolysis and hydroxide formation.<sup>1</sup>

Children commonly present with foreign bodies in their ears, noses and throats. Where there is any uncertainty with regard to the cause of symptoms

a specialist opinion is indicated. Persistent discomfort or otalgia may indicate the presence of an aural foreign body. Foreign bodies are usually easily removed in clinics or under a general anaesthetic with complete resolution of symptoms.



**Figure 1** View of foreign body in situ mimicking impacted wax.



**Figure 2** Foreign body following removal.

## Learning points

- ▶ If there is uncertainty regarding the diagnosis of an aural foreign body, a referral to ear, nose and throat specialist should be considered.
- ▶ Where a foreign body is suspected, prompt examination is required to exclude the presence of a button battery.
- ▶ Inert substances in the ear canal may be removed in an elective setting.

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**Competing interests** None declared.

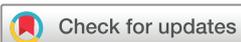
**Patient consent** Parental/guardian consent obtained.

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## REFERENCE

- 1 Lin VY, Daniel SJ, Papsin BC. Button batteries in the ear, nose and upper aerodigestive tract. *Int J Pediatr Otorhinolaryngol* 2004;68:473–9.



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