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# External auditory canal osteoma

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Case contributed by [Dr Mohd Radhwan Bin Abidin](#)

Diagnosis certain

Diagnosis certain

## Presentation

Left ear pain. Otoscopy shows left external auditory canal hard mass obscuring view.

## Patient Data

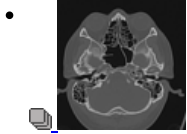
Age: 35 years

Gender: Male

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CT

## HRCT temporal bone



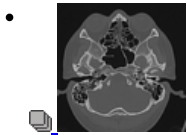
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CT

## HRCT temporal bone

Axial bone window



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CT

## HRCT temporal bone

Axial bone window

CT

Axial bone window

There is a small pedunculated well-corticated bony outgrowth within the left external acoustic meatus. Its narrow-based stalk is seen arising from the anterior wall of the lateral-most bony portion of the left external acoustic canal.

No periosteal reaction or erosive changes of the underlying bone. The lesion is seen causing subtotal obstruction of the left external meatus.

## Case Discussion

External auditory canal osteoma is a rare focal bony outgrowth at the external auditory canal. It is narrow-based and unilateral.

It needs to be differentiated with external auditory canal exostosis, which is usually broad-based and bilateral.

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Design of a Semi-Implantable Hearing Device for Direct Acoustic Cochlear Stimulation 


EMBS Trans Biomed Eng, 2010

Physiologic characteristics of vestibular first-order canal neurons in the cat. II. Response to constant angular acceleration 

R. H. Blanks et al., Journal of Neurophysiology, 1975

External auditory canal temperature as an estimate of core temperature 

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## Case information

**rID:** 79575

**Published:** 30th Jun 2020

**Last edited:** 1st Jul 2020

**System:** [Head & Neck](#)

**Inclusion in quiz mode:** Included

**Institution:** International Islamic University Malaysia

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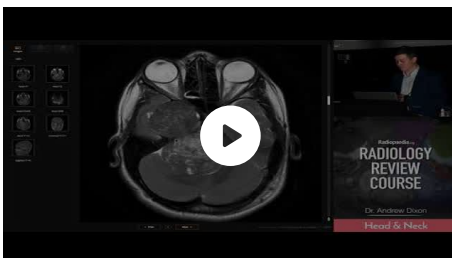
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