

**Name of Journal:** *World Journal of Clinical Cases*

**Manuscript NO:** 59259

**Manuscript Type:** CASE REPORT

**Cerebellar artery infarction with sudden hearing loss and vertigo as initial symptoms: a case report**

Cerebral infarction with SHL and vertigo

Xin-Lin wang, Min Sun, Xiao-Ping Wang

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## Sudden Deafness and Anterior Inferior Cerebellar Artery ...

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### Patients and Methods

### Results

### Discussion

Over 2 years, we prospectively identified 12 consecutive patients with unilateral AICA infarction diagnosed by brain MRI. In every patient, diagnostic tests were performed to determine risk factors of stroke. We determined the vascular territory using the anatomic diagrams of Amarenco and Hauw<sup>3</sup> (involving at least 1 of the following anatomical structures: middle cerebellar peduncle, lateral inferior pontine area, or anterior cerebellar hemisphere). The MRI studies were performed during the acute peri...

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Cited by: 256

Author: Hyung Lee, Sung-Il Sohn, Doo-Kyo Jung,...

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## Treatment of an Anterior Inferior Cerebellar Artery ...

<https://academic.oup.com/ons/article-abstract/15/4/418/4782240> ▼

Dec 30, 2017 · In this paper, the authors have reported the second **case** of an in-situ bypass between the **posterior inferior cerebellar artery** and the **anterior cerebellar artery** (AICA) for the treatment of an AICA aneurysm, the first **case** was previously reported by us (see patient 4, Figure 2). 1 When the arteries are of a large enough caliber, and of an ...

Cited by: 5

Author: Bryan S Lee, Alex M Witek, Nina Z Moor...

Publish Year: 2018

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## Posterior inferior cerebellar artery (PICA) infarct ...

<https://radiopaedia.org/articles/posterior-inferior-cerebellar-artery-pica-infarct> ▼

Epidemiology. Typically considered the most common territory involved in **cerebellar infarction**, although at least one study<sup>1</sup> has demonstrated similar frequencies of PICA and superior **cerebellar artery** (SCA)



Cerebellar artery infarction with sudden hearing loss and vertigo as



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inferior **cerebellar artery** (AICA) is known to be associated with vertigo, hearing loss, facial weakness, ataxia, nystagmus, and hypalgesia. In 1943, Adams<sup>1</sup> was the first to completely describe the syndrome associated with the AICA occlusion. In his patient, neurologic symptoms such as vertigo, tinnitus, and bilateral hearing loss were early initial

### Anterior inferior cerebellar artery infarction presenting ...

<https://pubmed.ncbi.nlm.nih.gov/17334322>

Abstract. A peripheral origin is typically contemplated in a patient presenting with sudden hearing loss (HL) and dizziness without other neurologic manifestations. Although symptoms of **anterior inferior cerebellar artery** (AICA) infarction include sudden HL and vertigo, the clinical picture usually shows ipsilateral facial anesthesia or paralysis, Horner's syndrome, contralateral body anesthesia, or ...

Cited by: 70

Author: Eun Jin Son, Jung Hwan Bang, Jae-Goo Ka...

Publish Year: 2007

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## Anterior inferior cerebellar artery

The anterior inferior cerebellar artery is one of three pairs of **arteries** that supplies blood to the cerebellum. It arises from the basilar artery on each side at the level of the junction between the medulla oblongata and the pons in the brainstem. It has a variable course, passing backward to be distributed to the anterior part of the undersurface of the cerebellum, anastomosing with both the posterior inferior cerebellar branch of the vertebral artery and the superior cerebellar artery.



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## Anterior Inferior cerebellar artery infarction ...

<https://pubmed.ncbi.nlm.nih.gov/29553620>

Objective: The clinical presentation of anterior inferior **cerebellar artery** (AICA) **infarction** may mimic that of inner ear disease. Methodology: This **report** presents two patients with **cerebellar artery infarction** initially misdiagnosed with inner ear disease. Case **Report**: Both the patients presented with **sudden hearing loss and vertigo**. The ...

**Cited by:** 1
 **Author:** T Yoshida, Y Ikemiyagi, F Ikemiyagi, Y Tam...  
**Publish Year:** 2016

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**inferior cerebellar artery** (AICA) is known to be associated with vertigo, hearing loss, facial weakness, ataxia, nystagmus, and hypalgesia. In 1943, Adams<sup>1</sup> was the first to completely describe the syndrome associated with the AICA occlusion. In his patient, neurologic symptoms such as vertigo, tinnitus, and bilateral hearing loss were early initial

## Acute vertigo and sensorineural hearing loss from ...

<https://pubmed.ncbi.nlm.nih.gov/30313095>

Patient concerns: A 67 year old man complained of sudden left hearing loss and vertigo. The patient showed left horizontal gaze-evoked **nystagmus** (GEN) and the head impulse test (HIT) was positive on the left side. Videonystagmography revealed spontaneous rebound **nystagmus** toward the right side; head-shaking **nystagmus** toward the right side. The patient presented with left caloric paresis (20.1%). ...

**Cited by:** 2
 **Author:** Seonghwan Byun, Ji Ye Lee, Bo Gyung Kim,...  
**Publish Year:** 2018

## Anterior inferior cerebellar artery

The anterior inferior cerebellar artery is one of three pairs of arteries that supplies blood to the cerebellum. It arises from the basilar artery on each side at the level of the junction between the medulla oblongata and the pons in the brainstem. It has a variable course, passing backward to be distributed to the anterior part of the undersurface of the cerebellum, anastomosing with both the posterior inferior cerebellar branch of the vertebral artery and the superior cerebellar artery.



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