

Letter to Editor

Bochdalek flower basket sign

Ramakrishna Narra¹, Praneetha Burudi¹

¹Department of Radiodiagnosis, Katuri Medical College, Guntur, Andhra Pradesh, India.

Dear Editor,

A 62-year-old male patient complained of recurrent headaches for one month. On routine computed tomography imaging, linear calcification was noted in the fourth ventricle extending laterally into foramen of Luschka, described radiologically as Bochdalek flower basket sign [Figure 1a-c].

Bochdalek flower basket sign is an eponymous word described by Vincent Bochdalek, a Czech anatomist, for protruded fourth ventricle choroid plexus through foramen of Luschka into cerebellopontine-cistern. Calcification of fourth ventricle choroid plexus is noted in 8% of patients aged about 60. However, complete calcification with a typical flower basket appearance is rare.

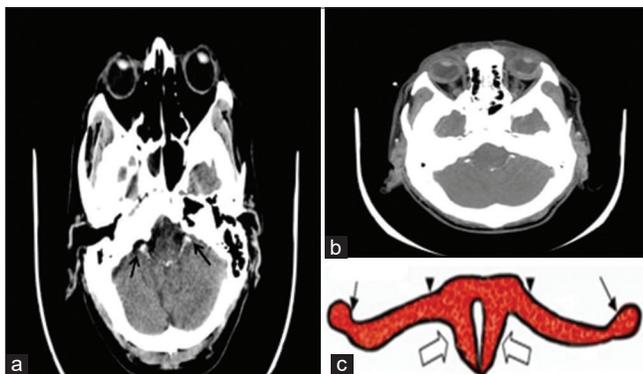


Figure 1: (a) Axial computed tomography of brain, (b) maximum intensity projection computed tomography, (c) schematic diagram of fourth ventricle choroid plexus demonstrating the classical flower basket appearance (black arrows), the medial vertical segment of the choroid plexus (open arrows), and horizontal segment of choroid plexus (arrow heads) that project into foramen of Luschka.

Developmentally fourth ventricle choroid plexus is composed of two inverted L-shaped structures. Two vertical limbs on each side of the midline extend into foramen of Magendie. Two transverse limbs extend laterally through foramen of Luschka and reach cerebellopontine fissures. These terminal parts of lateral segments protruding through foramen of Luschka have been named Bochdalek's flower basket.^[1] It is essential radiologically to recognize the entity, as it could be misdiagnosed as a subarachnoid hemorrhage or vertebral artery/posterior inferior cerebellar artery aneurysm or even bilateral choroid plexus lymphomas.^[2]

Ethical approval

The Institutional Review Board approval is not required.

Declaration of patient consent

Patient's consent not required as patients identity is not disclosed or compromised.

Financial support and sponsorship

Nil.

Conflicts of interest

There are no conflicts of interest.

Use of artificial intelligence (AI)-assisted technology for manuscript preparation

The authors confirm that there was no use of artificial intelligence (AI)-assisted technology for assisting in the

*Corresponding author: Ramakrishna Narra, Department of Radiodiagnosis, Katuri Medical College, Guntur, Andhra Pradesh, India.
narra.ramki29@outlook.com

Received: 04 May 2023 Accepted: 30 November 2023 Epub ahead of print: 23 December 2023 Published: 05 February 2024 DOI: 10.25259/JNRP_238_2023

This is an open-access article distributed under the terms of the Creative Commons Attribution-Non Commercial-Share Alike 4.0 License, which allows others to remix, transform, and build upon the work non-commercially, as long as the author is credited and the new creations are licensed under the identical terms. ©2024 Published by Scientific Scholar on behalf of Journal of Neurosciences in Rural Practice

writing or editing of the manuscript and no images were manipulated using AI.

REFERENCES

1. Horsburgh A, Kirolos RW, Massoud TF. Bochdalek's flower basket: Applied neuroimaging morphometry and variants of choroid plexus in the cerebellopontine angles. *Neuroradiology* 2012;54:1341-6.

2. Barany L, Baksa G, Patonay L, Ganslandt O, Buchfelder M, Kurucz P. Morphometry and microsurgical anatomy of Bochdalek's flower basket and the related structures of the cerebellopontine angle. *Acta Neurochir (Wien)* 2017;159:1539-45.

How to cite this article: Narra R, Burudi P. Bochdalek flower basket sign. *J Neurosci Rural Pract.* 2024;15:165-6. doi: 10.25259/JNRP_238_2023