

Clinical Images

Online first publication

HSI Journal (2020) Volume 1(Issue 2):149-150. <http://doi.org/10.46829/hsijournal.2020.12.1.2.149-150>

Complete surgical excision of *cor triatriatum sinistrum*

Kow Entsua-Mensah^{1*}, Innocent K Adzamlı¹, Frank Edwin^{1,2}, Martin Adu-Adadey¹,
Lawrence Sereboe^{1,3}, Nana-Akyaa Yao¹

¹ National Cardiothoracic Centre, Korle Bu Teaching Hospital, Korle Bu, Accra; ² Department of Medicine, School of Medical Sciences, University of Health and Allied Sciences, Ho, Ghana; ³ Department of Surgery, University of Ghana Medical School, College of Health Sciences, University of Ghana

Received November 2020; Revised December 2020; Accepted December 2020

Keywords: *Cor triatriatum, fibromuscular membrane, accessory chamber, mitral valve apparatus*

Open
Access

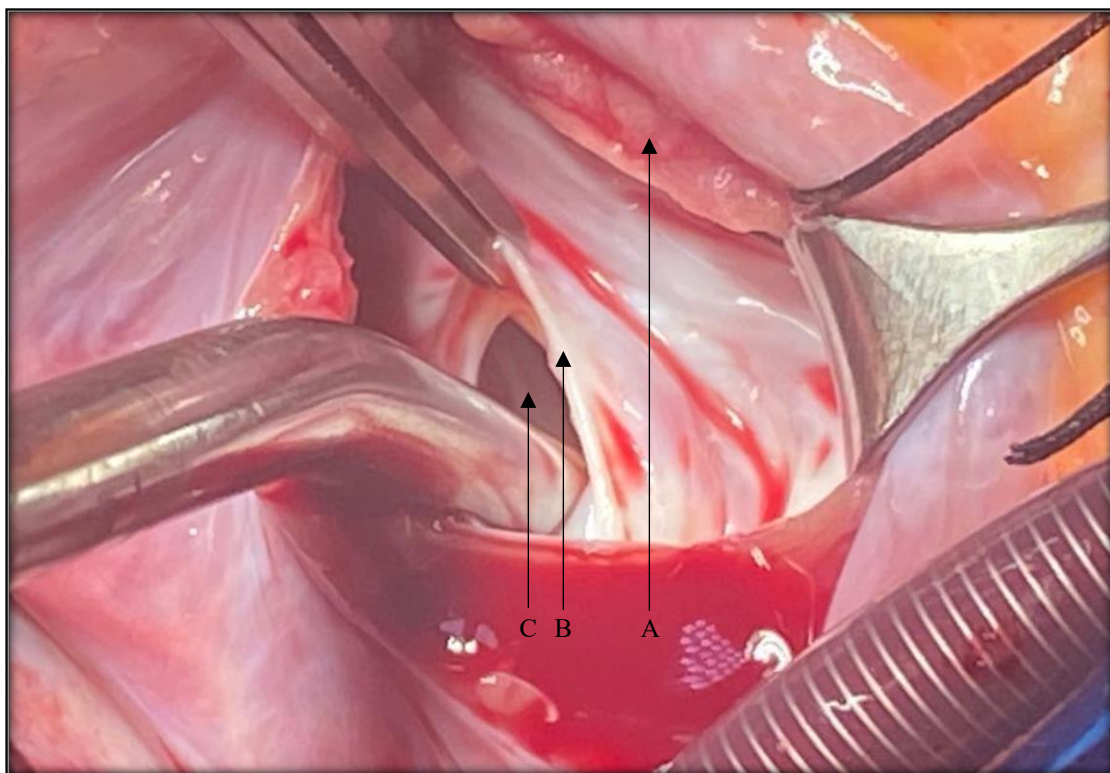


Plate 1: Transeptal view of the left atrium showing a fibromuscular membrane dividing the left atrium into proximal and distal chambers.

* 'A', margin of interatrial septostomy; 'B', fibromuscular membrane dividing the left atrium into a proximal chamber and a distal chamber; 'C', 1.5 cm aperture opening proximal chamber into the distal chamber below

A 7-yr. old male was seen at the National Cardiothoracic Centre, Ghana, in 2019 with a history of poor weight gain

and recurrent palpitations. An echocardiogram showed a membrane within the left atrium dividing it into proximal and distal chambers. Findings at surgery were a fibromuscular membrane which completely divided the left atrium into a proximal accessory chamber which

* Corresponding author

Email: kowentsuamensah@cardio.com.gh

communicated with the left atrial appendage (Plate 1). The proximal accessory chamber also received all four pulmonary veins. There was a 1.5 cm aperture through which the accessory chamber communicated with the distal chamber. The mitral valve ring was about 1.5 cm

distal to the plane of the fibromuscular membrane. There was no inter-atrial communication (Plate 1). The fibromuscular membrane was completely excised (Plate 2). Postoperative recovery was uneventful, and the child was discharged home five days after surgery.

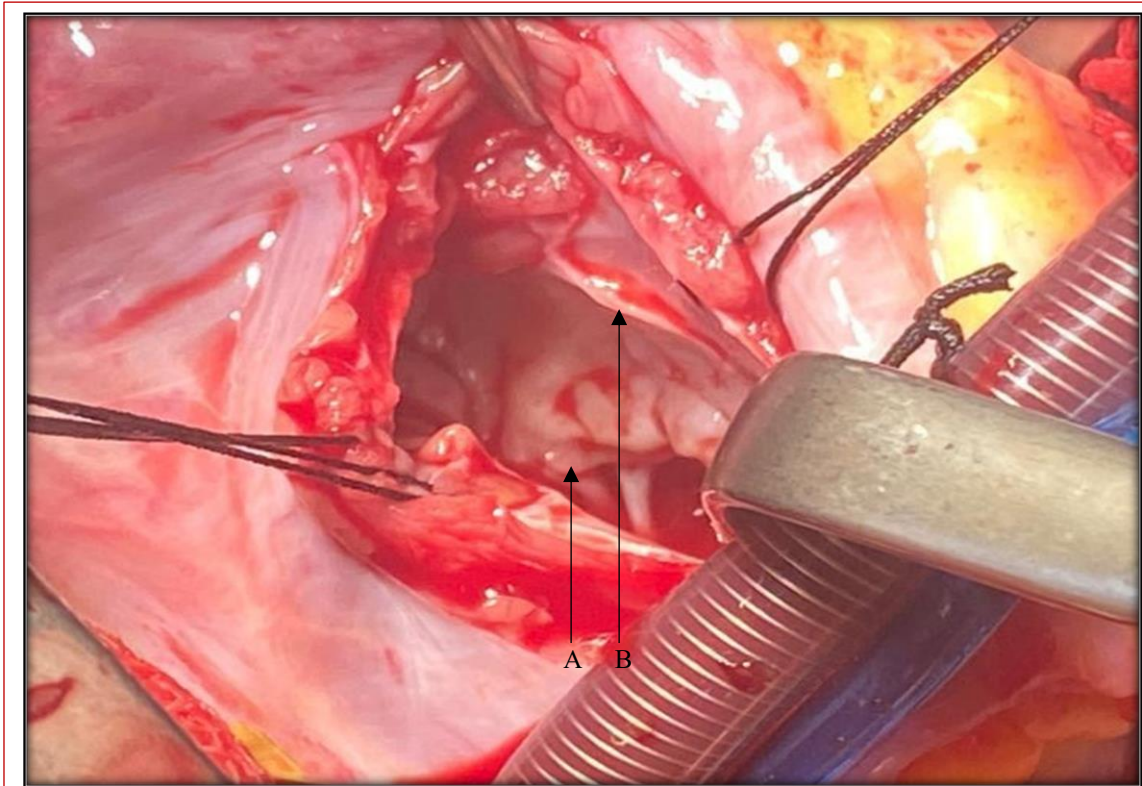


Plate 2: Completely excised membrane exposing the mitral valve apparatus below.

* 'A', mitral valve leaflet and chordae tendinae in distal chamber fully visible after excision of fibromuscular membrane;
 'B', remnant of completely excised fibromuscular membrane

DECLARATIONS

Ethical considerations

Not applicable

Consent to publish

All authors consented to the publication of the manuscript.

Funding

None

Competing Interests

No conflict of interest was reported by the authors.

Author contributions

All the authors (KE-M, IKA, FE, MA-A, LS, N-AY) contributed to management of the case, drafting of report, and final review of report.

Acknowledgements

None

Availability of data

The published data is available from the corresponding author on a reasonable request.

Thank you for publishing with