

# Auscultatory findings in a woman with patent ductus arteriosus and infective endocarditis

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## Abstract

The file provides a rare audio-recording of typical sound of infective endocarditis (IE) in an adult with patent ductus arteriosus (PDA). It is important to consider PDA-associated IE if pan-systolic murmur is heard in the 2nd intercostal space along the left sternal border, radiating to the left subclavian region.

**Title:** Auscultatory findings in a woman with patent ductus arteriosus and infective endocarditis

## Case:

A 33-year-old woman with history of untreated patent ductus arteriosus (PDA) presented with a chief complaint of fever. A grade 3 pan-systolic murmur best heard in the 2nd intercostal space along the left sternal border, radiating to the left clavicle (File1-4), suggestive of infective endocarditis (IE). *Streptococcus oralis* was detected in blood cultures. Transesophageal echocardiography showed a vegetation adjacent to the PDA, confirming the diagnosis of IE. The file provides a rare audio-recording of PDA-associated IE.<sup>1)2)</sup> Even in adults without a previous diagnosis of PDA, it is important to consider PDA-associated IE when hearing a murmur as in this case.

## Video legends

File1: Pan-systolic murmur in left subclavian.

File 2: Pan-systolic murmur in the 2nd intercostal space along the right sternal border.

File 3: Pan-systolic murmur in the 2nd intercostal space along the left sternal border.

File 4: Pan-systolic murmur in apex.

Written informed consent was obtained from the patient to publish this report in accordance with the journal's patient consent policy.

## References

1. Yoshito Kadoya, Mikio Wada, Atsushi Kawashima, et al. Careful Auscultation after Detection of Bacteremia Leading to a Diagnosis of Patent Ductus Arteriosus in Adult. General Medicine. 2014;15:143-147.
- 2.Taiju Miyagami, Seiko Kushiro, Mari Arikawa, et al. A Case of Infective Endocarditis Associated With Patent Ductus Arteriosus in Which PET/CT Was Useful for Diagnosis. Clin Nucl Med 2022 Jun 10.

## Consent for publication

Patient consent has been obtained before submitting this case report.

## Acknowledgments

We would like to thank Editage ([www.editage.com](http://www.editage.com)) for English language editing.

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