

# A Rare Complication of a Rare Disease: Pericarditis Due to Ruptured Pericardial Cyst

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## Abstract

Pericardial cysts are considered rare incidental findings, which are generally asymptomatic in nature. Occasionally, patients may present with chest discomfort, dyspnea or palpitations. Pericarditis related to a ruptured pericardial cyst has not been previously reported in the literature. Here, we report the case of a 62-year-old male who developed acute pericarditis as a result of a ruptured enlarging pericardial cyst.

April 15, 2020

Dr. Navin C. Nanda, MD

Editor-in-Chief,

Echocardiography, A Journal of Cardiovascular Ultrasound and Allied Techniques

Dear Dr Nanda

We would like to submit our manuscript “A Rare Complication of a Rare Disease: Pericarditis Related to Ruptured Pericardial Cyst” for consideration of publication in *Echocardiography, A Journal of Cardiovascular Ultrasound and Allied Techniques*.

We believe that our case report addresses an interesting and very rare complication of pericardial cyst. Our case presents a patient with a previously known enlarging pericardial cyst who presented with symptoms of chest pain and heart failure. Cardiac magnetic resonance imaging demonstrated that the previously present large pericardial cyst was no longer present at time of hospital presentation, suggesting that the pericardial cyst had ruptured. On cardiac magnetic resonance imaging, there was interestingly evidence of significant pericardial inflammation and edema, consistent with active pericarditis. Our patient therefore experienced acute pericarditis as a result of a ruptured pericardial cyst. To the best of our knowledge, this is a previously unreported complication of pericardial cyst.

All authors have sufficiently contributed towards writing this manuscript. They have reviewed and approved the content. This manuscript is not under consideration for publication in any other journal nor has it been published previously. The authors have no disclosures pertaining to this manuscript.

Thank you for taking our submission into your kind consideration.

Yours sincerely

Hassan Lak, Rohan Shah, Beni Rai Verma, Bo Xu

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