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Constrictive pericarditis complicating cardiac transplantation



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Abstract

Constrictive pericarditis is a disease characterized by progressive pericardial fibrosis. If left untreated it can lead to progressive heart failure and can be severely disabling. Medical management with non-steroidal anti-inflammatory drugs in combination with colchicine is promising in the acute phase of the disease but for more chronic cases pericardiectomy offers the best chance for hemodynamic recovery. Constrictive pericarditis after cardiac transplantation is a rare phenomenon. Current literature suggests that early pericardiectomy may be the most effective treatment in this subset of patients as well.

Keywords: Constrictive pericarditis, Pericardiectomy, Cardiac transplant

To the Editor

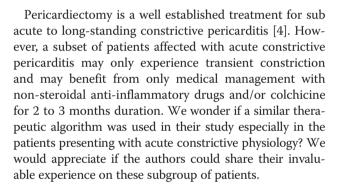
We read with great interest the recently published article byZhu et al. in the Journal of Cardiothoracic Surgery [1]. The authors have provided valuable insight regarding the role of pericardiectomy in constrictive pericarditis. Their mortality rate of 5.4 % falls on the lower end of the spectrum in reported literature and their one year survival rate of 92 % speaks volume of the excellent results that can be achieved in high volume centers [1]. However, we wish to highlight a few important points relevant to the article.

A relatively newer and less known development of constrictive pericarditis is seen recently after cardiac transplantation. This is an unusual presentation as the transplanted heart is believed to be free of any pericardial tissue. The data on this entity is very limited but judging from the few published case reports, pericardiectomy offers the only chance of successful physiologic recovery in this subset of patients [2, 3]. We would like to inquire whether Zhu and colleagues encountered patients with post cardiac transplant constrictive pericarditis in their cohort in the subgroups including indeterminate (n = 106 patients) and post-surgery (n = 19 patients) as indicated in Table one of their manuscript [1].

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Competing interests

Dr. David Spodick receives royalties from his textbook, "The Pericardium: A Comprehensive Textbook (Fundamental and Clinical Cardiology), Marcel Dekker, New York 1997".

Authors' contributions

AU was responsible for the initial draft. AU, NS, LC, SM, DS were responsible for all subsequent revisions. All authors approved the final submitted draft of the manuscript.

Acknowledgement

We would like to thank Dr Sarah Aftab Ahmad, Department of Surgery, Texas Tech University Health Sciences Center, Lubbock, USA for proof reading and editing the manuscript.

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Received: 16 July 2015 Accepted: 3 August 2015 Published online: 25 August 2015

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