

Title: Between a rock and a hard place:

Mitral valve repair in a patient with LVAD and congenital heart disease

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Since COAPT trial was published there is increasing interest in the application of mitral valve repair especially for compassionate use in patients with severe heart failure. Frequently these applications extend beyond our current knowledge of long term outcomes with this device and are thus ahead of guideline recommendations for its use. Here we report on a 48 year old female patient with congenital non-compaction cardiomyopathy (NCC) with stage D New York Heart Association class IV heart failure who underwent successful mitral valve repair. The patient had previously received left ventricular assist device (LVAD) with inability to wean. In addition the patient was very highly sensitized with elevated Panel Resistant Antibodies (PRAs) of nearly 100% making her a poor candidate for cardiac transplantation. To our knowledge, this is the first mitral valve repair in a patient with LVAD and NCC. In such patients with severe heart failure and moderate to severe mitral regurgitation, the use of mitral valve repair is increasingly considered as a therapeutic option. Here we discuss the current known applications of mitral valve repair and discuss what is known about its success with LVAD.

Biography

Roy Norris is a cardiology fellow in the United States Air Force at Brooke Army Medical Center in San Antonio, Texas. He obtained his bachelor and MD at Creighton University in Omaha, Nebraska.

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