

**Response to reviewers by Greenway et al. (manuscript number 28869)**

**Reviewer 00741994 comments:**

**Specific:**

1. Images must illustrate the trends of decreasing EDV's prior to rejection.

**We have included new images (Figure 1) to accompany the table of data.**

2. Change title to "magnetic resonance imaging study of the transplanted pediatric heart as a potential predictor of rejection."

**We have altered the title to more accurately reflect the study.**

3. Present a plot of the EDV's as a function of age in patients and controls. This should illustrate the role of age as a confounder in the findings of Table 2.

**We have included new images to accompany the table of data.**

**Reviewer 00053888 comments:**

The authors have produced an interesting study evaluating the use of cardiac MRI scanning as a means to diagnose acute cellular rejection in paediatric heart transplant recipients. Although the cohort of patients only contained 5 with ACR if CMR was going to be useful to diagnose ACR then one would expect it to have helped make the diagnosis in the majority of these patients. The authors are correctly conservative in their conclusions suggesting that larger series are needed in this population before ruling out this technique and comment that the techniques will improve over time.

**We thank the reviewer for their thoughtful comments.**