

Radiology

Patient: DENNARD, Scott
Patient ID: 503903
DOB: 02/07/1994 (28 yrs)
Sex: Male

Date: 27/02/2023

Order Details

Test Name: MRI Cardiac **Collected Date:** 03:47 PM 27/02/2023
Requesting Doctor: DR ANTHONY CHUANG (461613DT)
Copies To:
Sending Facility: Benson Radiology **Consulting Doctor:** DR ANTHONY CHUANG (461613DT)
Attending Doctor: **Admitting Doctor:**
Order Status:
Tests Requested:
Clinical Notes:

Results

Item	Result	Units	Range	Abnormal
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MRI Cardiac

This report is for: Dr A. Chuang
Referred By:
Dr A. Chuang

MRI CARDIAC 27/02/2023 Reference: 6618839
Site: North Adelaide ID: BR-IJH078Z

MRI CARDIAC

Summary:

1. Normal left ventricular size and systolic function.
2. No pericardial abnormality on MRI.
3. No current myocardial oedema nor fibrosis.
4. Mild right ventricular dilatation with preserved systolic function may relate to athletic heart. Follow up in 3-5 years recommended.

Co-reported by Dr. C Astill (radiologist), Dr L Huynh (cardiologist),
Dr. K. Chong (radiologist)

Clinical:

28 year old male with recurrent pericarditis recurring colchicine and prednisolone. Pericardial disease?

Technique:

1.5 Tesla axial white blood black blood, cinematic images,
multiplanar T2 fat sat, Q flows, early and delayed Gadolinium.

Ventricular Indices: Height 185cm. Weight 74kg. BSA 1.95m²

	Left Ventricle	Left Ventricle Normal Values	Right Ventricle	Right Ventricle Normal Values
End diastolic volume	96ml/m ²	(Normal 54-100)	113ml/m ²	(Normal 55-101)
End systolic volume	42ml/m ²	(Normal 16-43)	59ml/m ²	(Normal 10-56)
Stroke Volume	54ml/m ²	(Normal 38-63)	55ml/m ²	(Normal 28-63)
Myocardial mass	50g/m ²	(Normal 44-87)		
Ejection fraction	56%	(Normal 46-74)	48%	(Normal 34-78)

Volumes performed with CVI42 with papillary muscle exclusion. Normal ranges defined as Mean +/- 2SD as per Kawel-Boehm N. et. al. JCMR

(2020) 22:87.

Left Ventricle:

Normal left ventricular size and systolic function. No left ventricular hypertrophy or regional wall motion abnormality.

Right Ventricle:

Mild increase in right ventricular indexed volume with preserved systolic function. No regional wall motion abnormality, fibrofatty change or right ventricular hypertrophy.

Valves:

Trivial tricuspid regurgitant jet.

Atria:

The left atrium is foreshortened but appears subjectively normal. Right atrial volume 93ml (area 24cm²) - normal.

Pericardium:

No pericardial thickening or current pericardial effusion.

T1 and T2 Maps:

Normal native T1 and T2 signal with no evidence of oedema nor fibrosis.

Q flow:

Ascending Aorta total forward flow: 106ml(Qs)

Delayed Hyperenhancement:

Nil significant.

Other Findings:

The lungs are clear. Bone marrow signal normal. Visualised upper abdomen unremarkable.

Radiologist: Dr C. Astill

Second Reader: Dr W. K. Chong
