

Late-gadolinium enhancement pattern in gamma-sarcoglycanopathy

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Sarcoglycanopathies are muscular dystrophies, which primarily affect limb-girdles. However, cardiac involvement has been described. We present two patients with gamma-sarcoglycanopathy and a possible specific LGE

pattern characterized by a linear subepicardial LGE on the lateral and inferior left ventricular wall segments.

Figure A1 and A2 illustrates views of a CMR of a 15-year-old male patient with gamma-sarcoglycano-

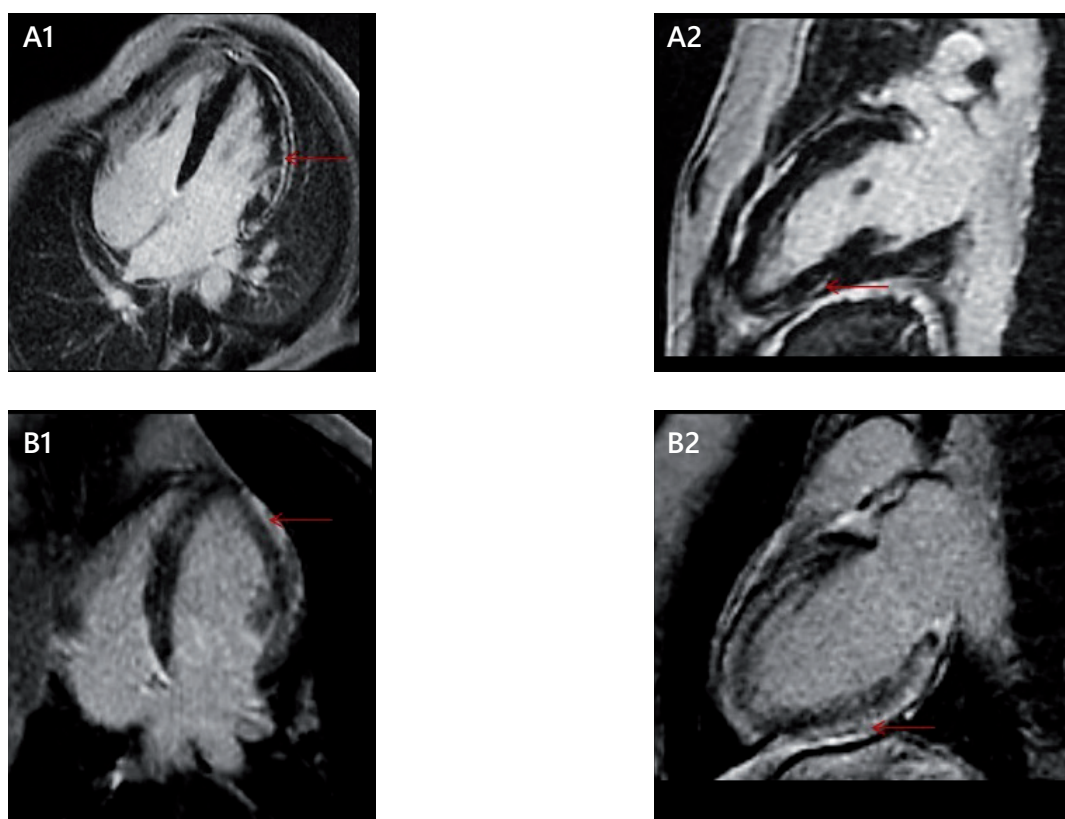


Figure 1, panel A1 and B1: CMR four-chamber view demonstrating linear subepicardial LGE (red arrow) on the lateral wall segments

Figure 1, panel A2 and B2: CMR two-chamber view demonstrating extension of LGE in the inferior wall segments

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pathy, who presented with exertional dyspnea. CMR revealed a mildly dilated LV with moderately depressed ejection fraction (EF: 37%) and hypokinesia of the lateral wall segments. LGE sequences revealed linear subepicardial LGE on the lateral wall segments (A1) with extension to the inferior wall segments (A2).

Figure B1 and **B2** similarly presents a CMR of an 18-year-old male patient with gamma-sarcoglycanopathy and complaints of fatigue. CMR also revealed a mild dilated LV with moderately depressed EF: 40% and lateral wall segments hypokinesia. LGE sequences equivalently revealed linear subepicardial LGE on the

lateral wall segments (B1) with extension to the inferior wall segments (B2).

References

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