

## SUPPLEMENTAL FILE

**Table – Main cardiac magnetic resonance studies evaluating the prevalence of myocardial abnormalities in athletes after SARS-Cov2 infection.**

Reference	Athletes with CMR	CMR abnormalities
Rajpal et al. (1)	26	4 (15%) myocarditis 8 (30%) LGE w/o inflammation
Brito et al. (2)	48	19 (40%) pericardial LGE 1 (2%) myocardial LGE 7 (5%) reduced LV EF and/or GLS
Clark et al. (3)	59	1 (2%) myocarditis 1 (2%) pericarditis
Starekova et al. (4)	145	2 (1.4%) myocarditis
Martinez et al. (5)	27 of 789	3/27 (11%) myocarditis 2/27 (7%) pericarditis
Moulson et al. (6)	317 of 2820	21/317 CMR abnormalities (7% of those who underwent CMR for clinical indications, 0.7% of the overall sample)
Daniels et al. (7)	1598	2 clinical myocarditis subclinical probable myocarditis possible subclinical myocarditis
Szabo et al. (8)	147	1 myocarditis 1 pericarditis

CMR=cardiac magnetic resonance; GLS=global longitudinal strain; LGE=late gadolinium enhancement; LV EF=left ventricular ejection fraction

## References

- 1) Rajpal S, Tong MS, Borchers J, Zareba KM, Obarski TP, Simonetti OP, et al. Cardiovascular Magnetic Resonance Findings in Competitive Athletes Recovering From COVID-19 Infection *JAMA Cardiol.* 2021;6(1):116-118.
- 2) Brito D, Meester S, Yanamala N, Patel HB, Balcik BJ, Casaclang-Verzosa G, et al. High Prevalence of Pericardial Involvement in College Student Athletes Recovering From COVID-19 *JACC Cardiovasc Imaging.* 2021; 14(3): 541–555.
- 3) Clark DE, Parikh A, Dendy JM, Diamond AB, George-Durrett K, Fish FA, et al. COVID-19 Myocardial Pathology Evaluation in Athletes With Cardiac Magnetic Resonance (COMPETE CMR). *Circulation.* 2021;143:609–612
- 4) Starekova J, Bluemke DA, Bradham WS, Eckhardt LL, Grist TM, Kusmirek JE, et al. Evaluation for Myocarditis in Competitive Student Athletes Recovering From Coronavirus Disease 2019 With Cardiac Magnetic Resonance Imaging. *JAMA Cardiol.* 2021; 6(8):945-950.
- 5) Martinez MW, Tucker AM, Bloom OJ, Green G, DiFiori JP, Solomon G, et al. Prevalence of Inflammatory Heart Disease Among Professional Athletes With Prior COVID-19 Infection Who Received Systematic Return-to-Play Cardiac Screening. *JAMA Cardiol.* 2021;6(7):745-752
- 6) Moulson N, Petek BJ, Drezner JA, Harmon KG, Kliethermes SA, Patel MR, et al. SARS-CoV-2 Cardiac Involvement in Young Competitive Athletes. *Circulation* 2021; 144(4):256-266.
- 7) Daniels CJ, Rajpal S, Greenshields JT, Rosenthal GL, Chung EH, Terrin M, et al. Prevalence of Clinical and Subclinical Myocarditis in Competitive Athletes With Recent SARS-CoV-2 Infection Results From the Big Ten COVID-19 Cardiac Registry. *JAMA Cardiol.* 2021; 6(9):1078-1087.
- 8) Szabó L, Juhász V, Dohy Z, Fogarasi C, Kovács A, Lakatos BK, et al. Is cardiac involvement prevalent in highly trained athletes after SARS-CoV-2 infection? A cardiac magnetic resonance study using sex-matched and age-matched controls. *Br J Sports Med.* 2021 In press