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Clinical evidence
Sports Cardiology

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Original paper

LV function

WMT



Characterisation of LV myocardial exercise function by 2-D strain deformation imaging in elite adolescent footballers

Pieles GE, Gowing L, Ryding D, Perry D, McNally SR, Stuart AG, Williams CA

Eur J Appl Physiol. 2021;121(1):239-250

DOI: 10.1007/s00421-020-04510-6 | PMID: 33030575 | PMCID: PMC7815563

Original paper

Cardiac screening, SCD prevention

2D Echo, TDI, WMT



Investigating the Accuracy of Quantitative Echocardiographic-Modified Task Force Criteria for Arrhythmogenic Ventricular Cardiomyopathy in Adolescent Male Elite Athletes

Sharma C, Dorobantu DM, Ryding D, Perry D, McNally SR, Stuart AG, Williams CA, Pieles GE

Pediatr Cardiol. 2022;43(2):457-464

DOI: 10.1007/s00246-021-02744-5 | PMID: 34689217 | PMCID: PMC8850234

Original paper

Cardiac screening, SCD prevention

2D Echo



Aortic root remodeling in competitive athletes

Abulí M, Grazioli G, Sanz de la Garza M, Montserrat S, Vidal B, Doltra A, Sarquella-Brugada G, Bellver M, Pi R, Brotons D, Oxborough D, Sitges M

Eur J Prev Cardiol. 2020;27(14):1518-1526

DOI: 10.1177/2047487319894882 | PMID: 31852302

Original paper

Cardiac screening, SCD prevention

2D Echo, Stress Echo



Prevention of sudden death in adolescent athletes: Incremental diagnostic value and cost-effectiveness of diagnostic tests

Grazioli G, Sanz de la Garza M, Vidal B, Montserrat S, Sarquella-Brugada G, Pi R, Til L, Gutierrez J, Brugada J, Sitges M

Eur J Prev Cardiol. 2017;24(13):1446-1454

DOI: 10.1177/2047487317713328 | PMID: 28574282



Hepatic steatosis: Ultrasound assessment using attenuation imaging (ATI) with liver biopsy correlation

Welman CJ, Saunders J, Zelesco M, Abbott S, Boardman G, Ayonrinde OT
J Med Imaging Radiat Oncol. 2022;:online ahead of print

DOI: 10.1111/1754-9485.13412 | PMID: 35466506



Clinical relevance of Shear Wave Elastography compared with Transient Elastography and other markers of liver fibrosis

Ayonrinde OT, Zelesco M, Welman CJ, Abbott S, Adris N
Intern Med J. 2021. online ahead of print

DOI: 10.1111/imj.15603 | PMID: 34726820



Methodological Study to Investigate the Potential of Ultrasound-Based Elastography and Texture as Biomarkers to Monitor Liver Tumors

Moalla S, Girot C, Franchi-Abella S, Ammari S, Balleyguier C, Lassau N, Pitre-Champagnat S
Diagnostics. 2020;10(10):811

DOI: 10.3390/diagnostics10100811 | PMID: 33066135 | PMCID: PMC7602000

GLOSSARY

- GLS – Global Longitudinal Strain
- TDI – Tissue Doppler Imaging
- WMT – Wall Motion Tracking



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