

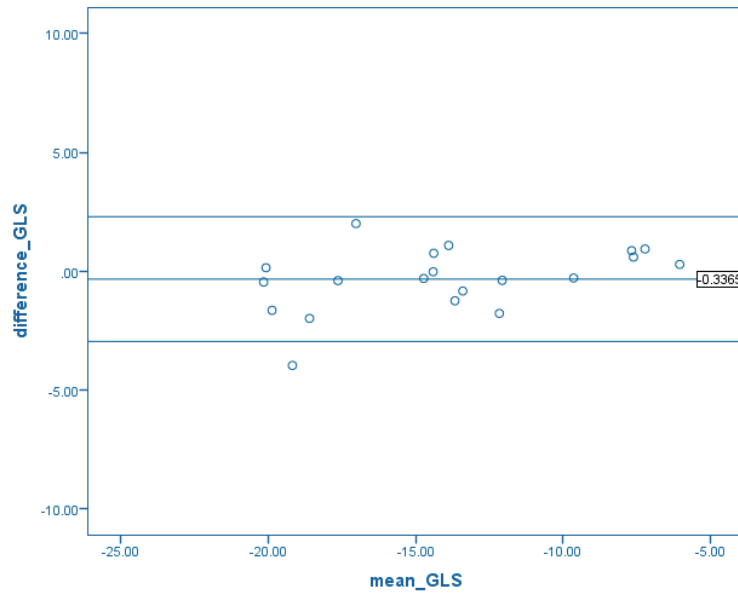
Intra- and Inter- Observer Reproducibility of Multilayer Cardiac Magnetic Resonance Feature Tracking Derived Longitudinal and Circumferential Strain

Data Supplement: Bland-Altman Plots

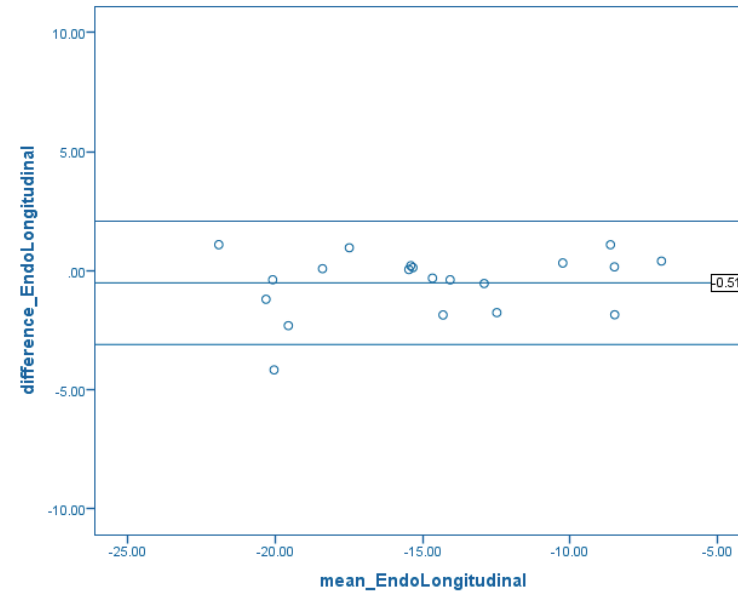
Authors: Ananthapadmanabhan, Saikrishna.; Deng, Echo., Femia, Giuseppe., Tang, Simon., Ko, Eng-Siew., Schuster, Andreas., Puranik, Raj.; Gupta, Pankaj., Nguyen Tuan., Dimitri, Hany., Otton, James

STEMI Cohort (n=20)

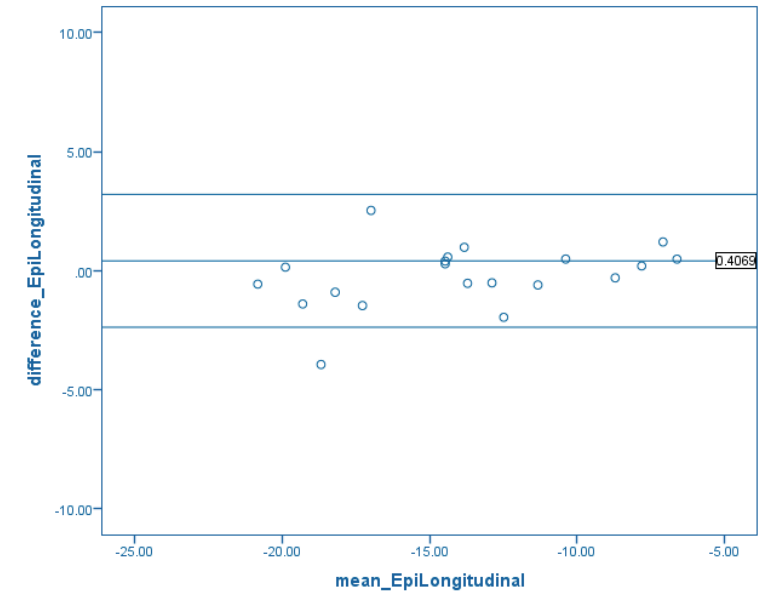
BA Plots showing intra-observer agreement for CMR-FT derived ML GLS in STEMI cohort (n=20)



Whole-layer GLS
Bias = 0.34
LOA = 2.6 (2.3; -3.0)

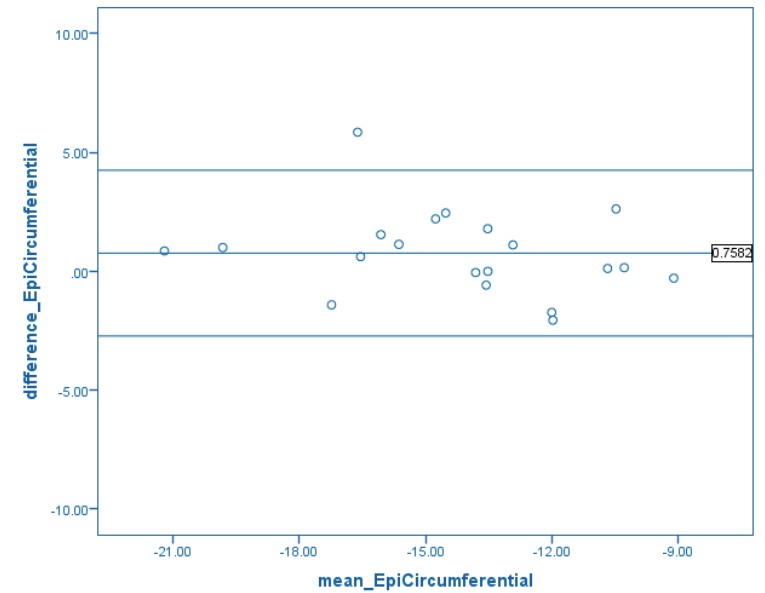
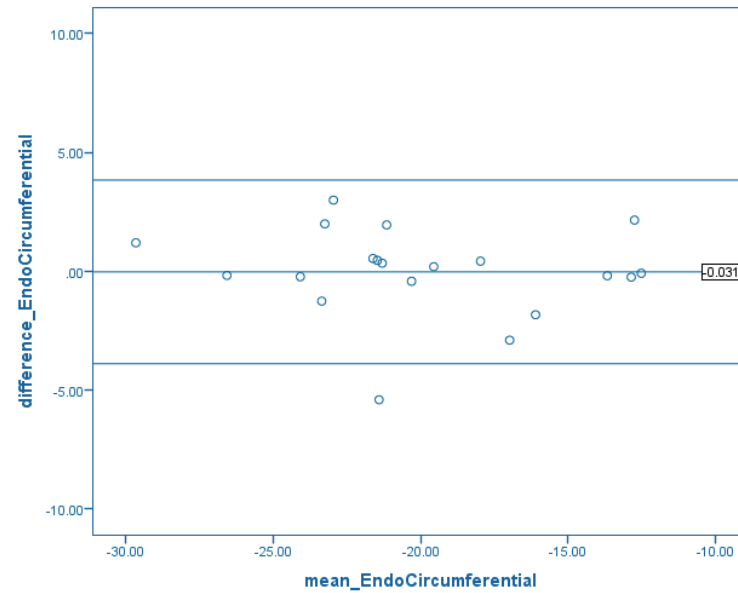
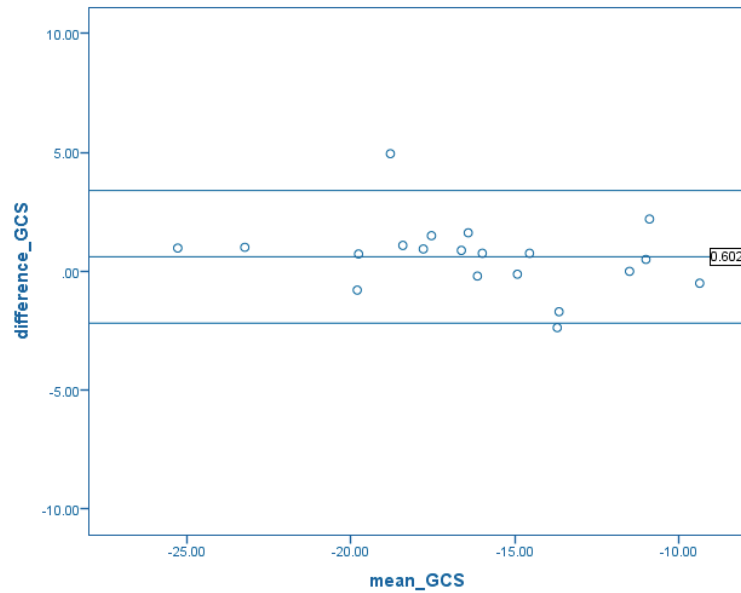


Endocardial GLS
Bias = 0.52
LOA = 2.6 (2.1; -3.1)



Epicardial GLS
Bias = 0.41
LOA = 2.8 (3.2; -2.4)

BA Plots showing intra-observer agreement for CMR-FT derived ML GCS in STEMI cohort (n=20)



Whole-layer GCS

Bias = 0.60

LOA = 2.8 (3.4; -2.2)

Endocardial GCS

Bias = 0.03

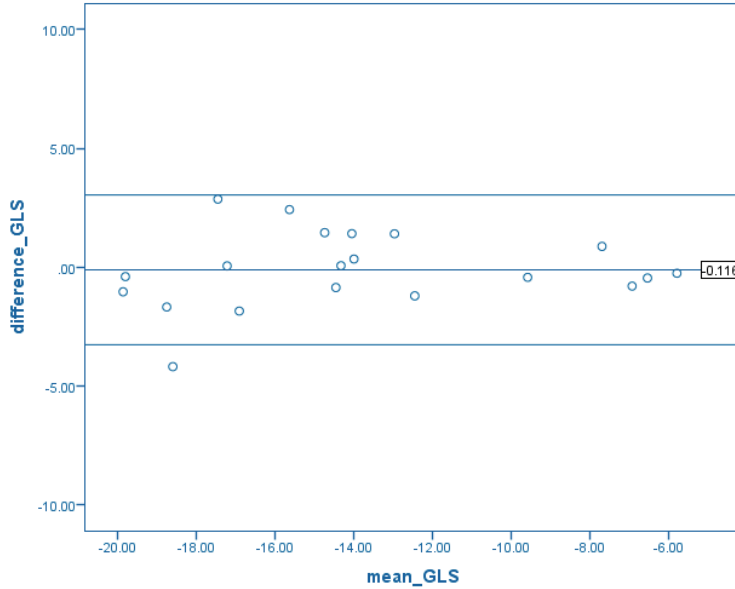
LOA = 3.9 (3.8; -3.9)

Epicardial GCS

Bias = 0.76

LOA = 3.5 (4.2; -2.7)

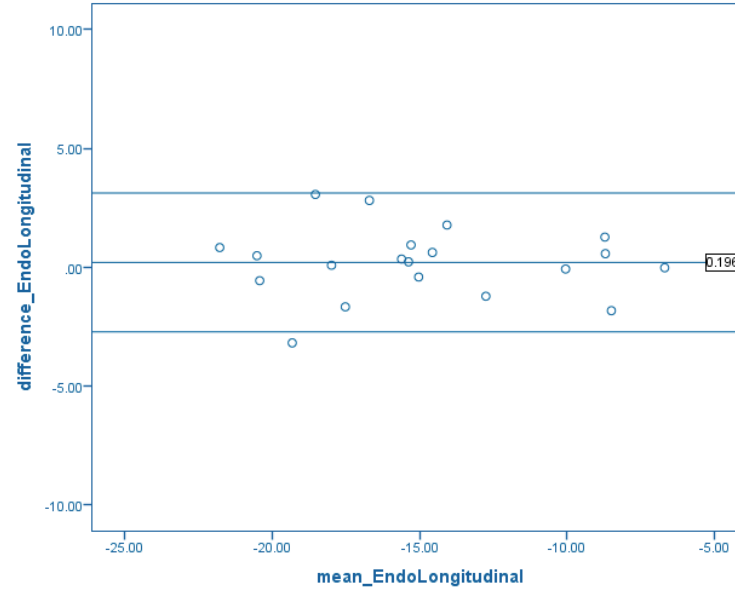
BA Plots showing inter-observer agreement for CMR-FT derived ML GLS in STEMI cohort (n=20)



Whole-layer GLS

Bias = 0.12

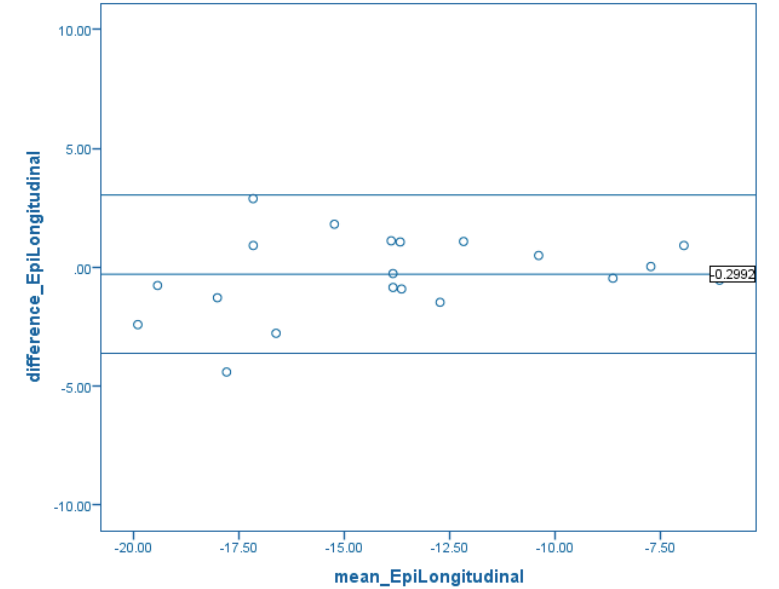
LOA = 3.1 (3.0; -3.3)



Endocardial GLS

Bias = 0.20

LOA = 2.9 (3.1; -2.7)

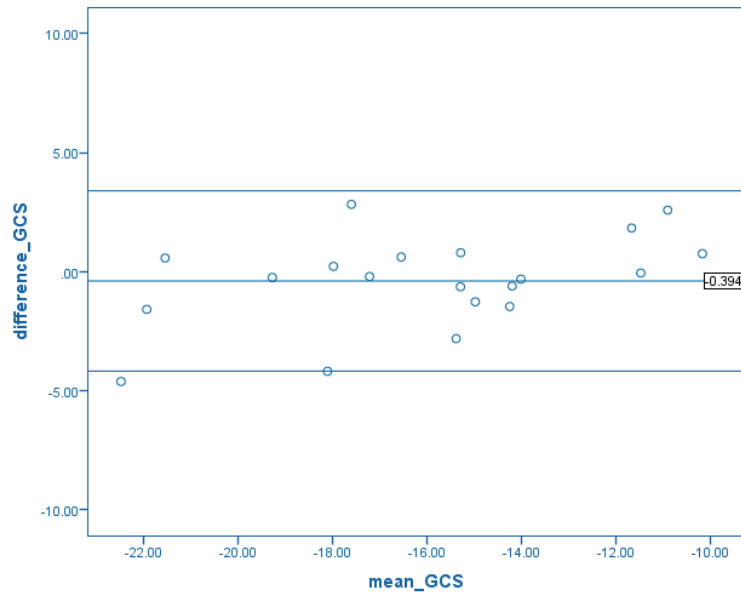


Epicardial GLS

Bias = 0.30

LOA = 3.3 (3.0; -3.6)

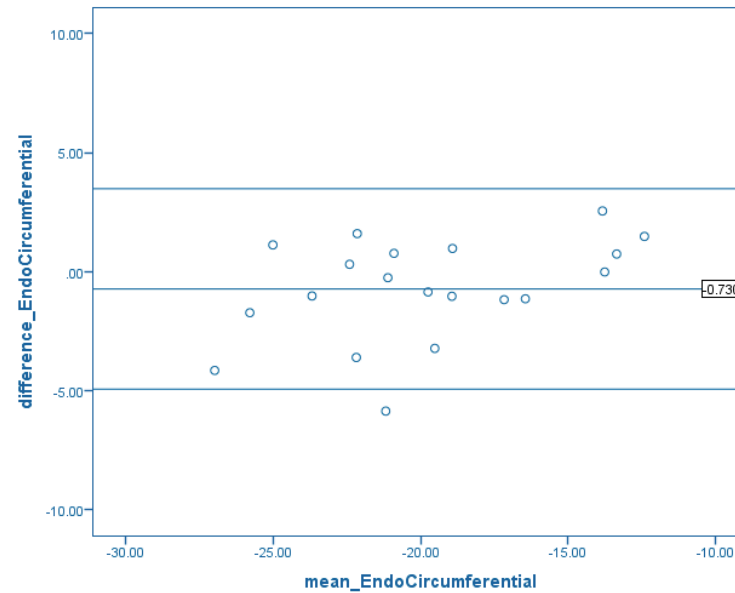
BA Plots showing inter-observer agreement for CMR-FT derived ML GCS in STEMI cohort (n=20)



Whole-layer GCS

Bias = 0.39

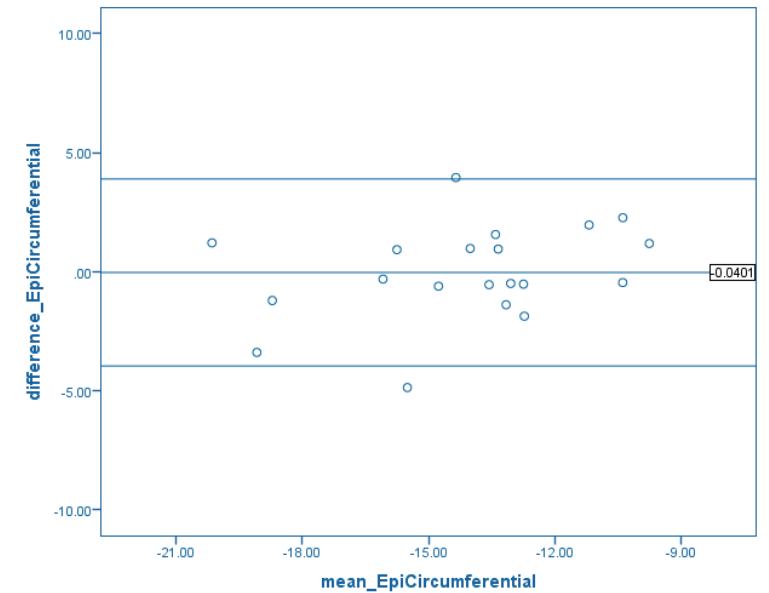
LOA = 3.8 (3.4; -4.2)



Endocardial GCS

Bias = 0.73

LOA = 4.2 (3.5; -4.9)



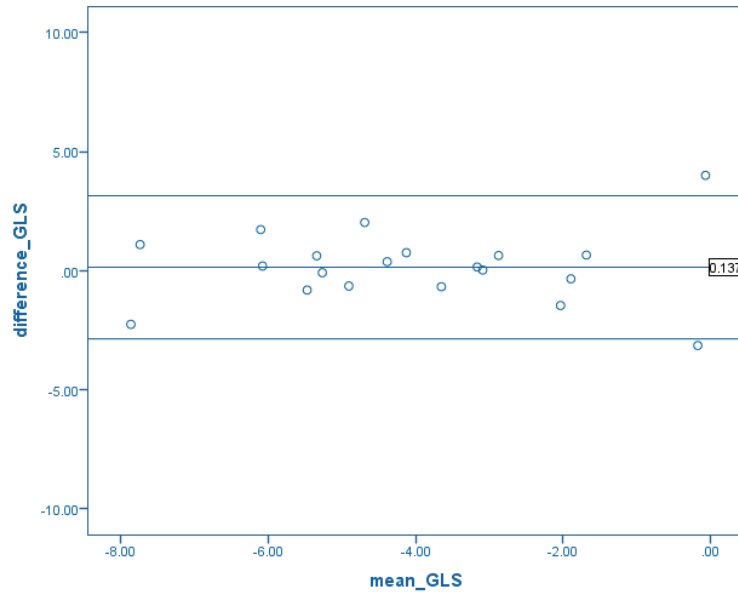
Epicardial GCS

Bias = 0.04

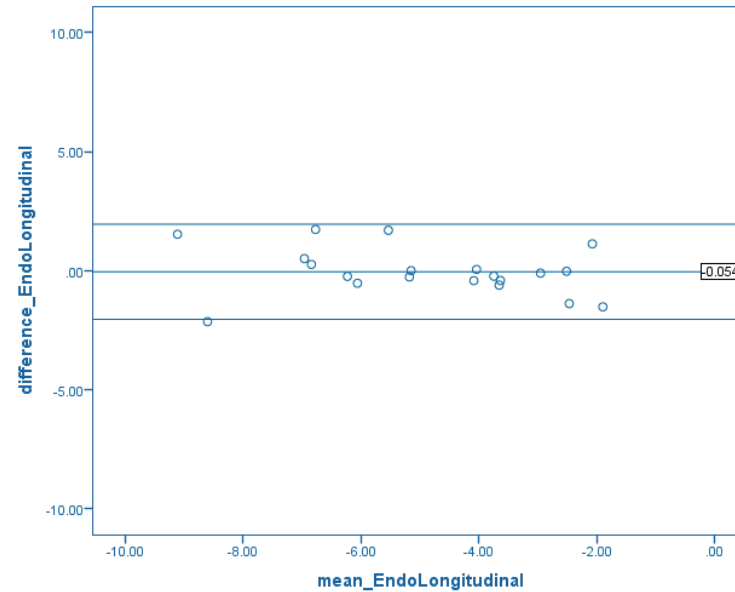
LOA = 3.9 (3.9; -4.0)

DCM Cohort (n=20)

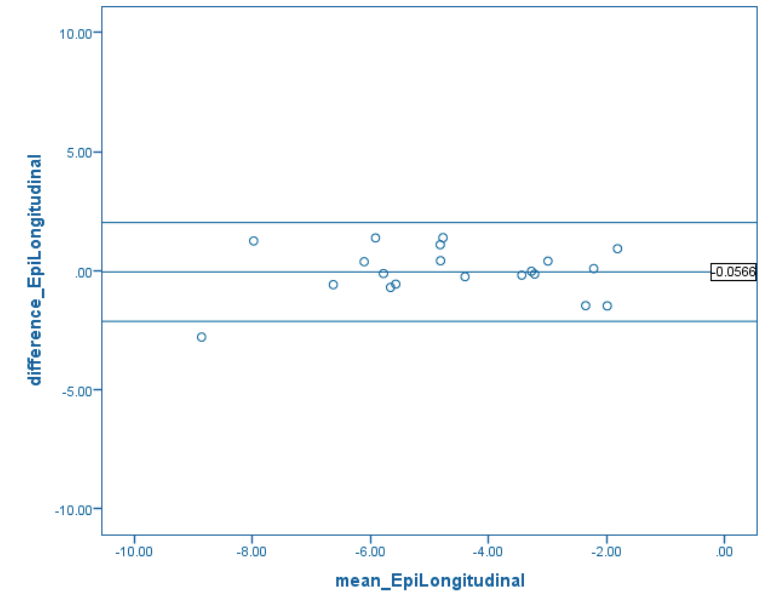
BA Plots showing intra-observer agreement for CMR-FT derived ML GLS in DCM cohort (n=20)



Whole-layer GLS
Bias = 0.14
LOA = 3.0 (3.1; -2.9)

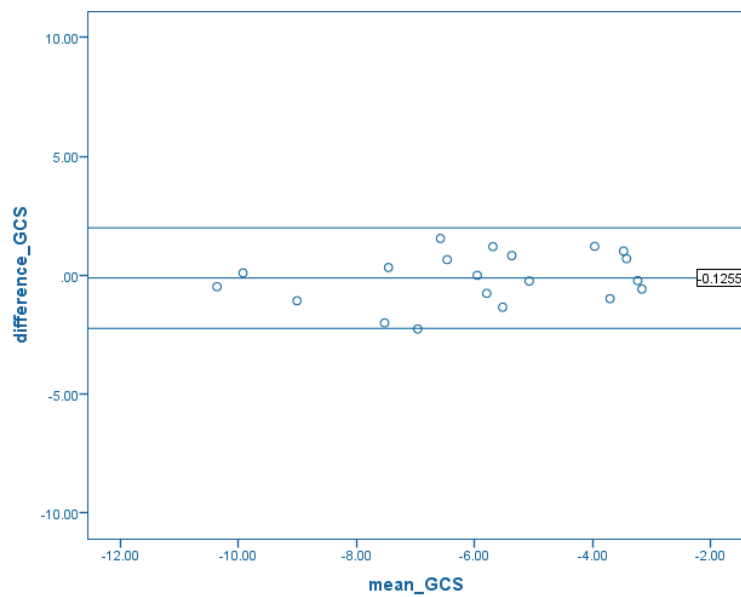


Endocardial GLS
Bias = 0.05
LOA = 2.0 (1.9; -2.0)



Epicardial GLS
Bias = 0.06
LOA = 2.1 (2.0; -2.1)

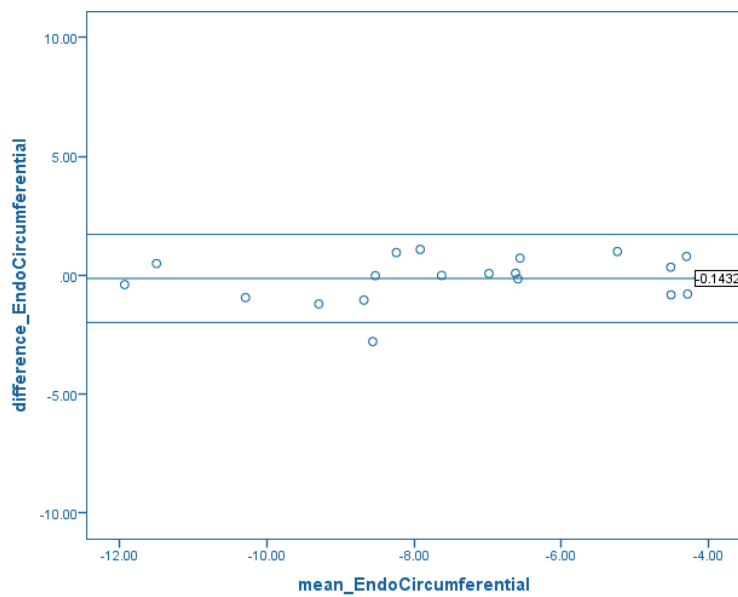
BA Plots showing intra-observer agreement for CMR-FT derived ML GCS in DCM cohort (n=20)



Whole-layer GCS

Bias = 0.13

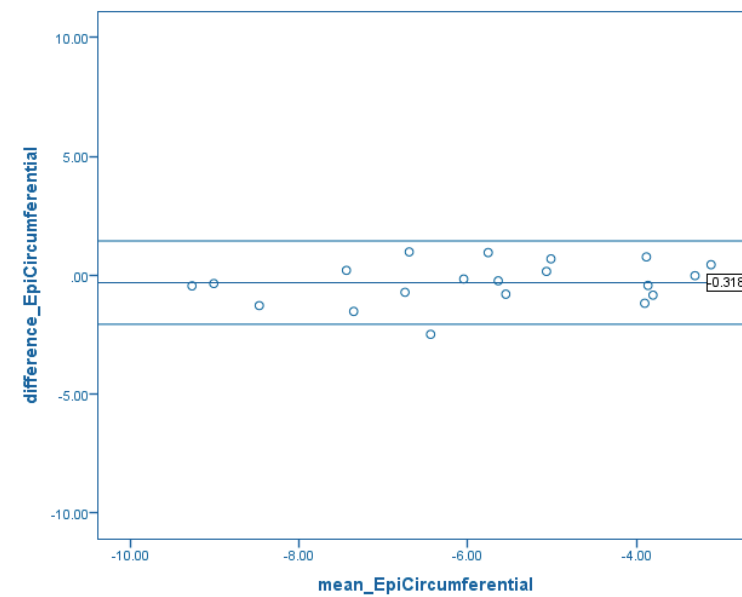
LOA = 2.1 (2.0; -2.2)



Endocardial GCS

Bias = 0.14

LOA = 1.9 (1.7; -2.0)

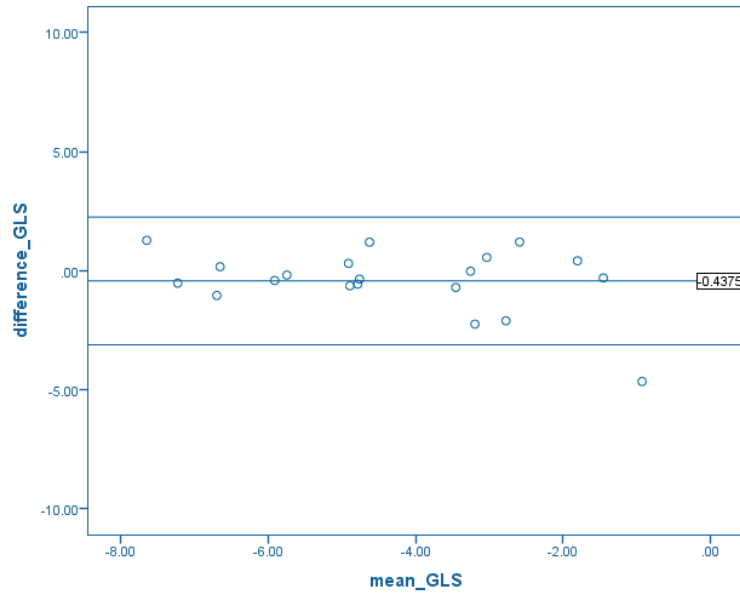


Epicardial GCS

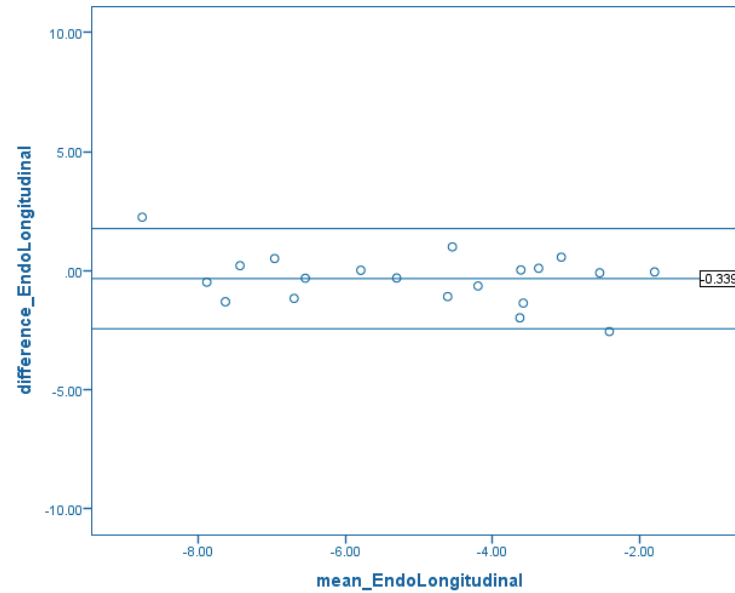
Bias = 0.32

LOA = 1.8 (1.4; -2.1)

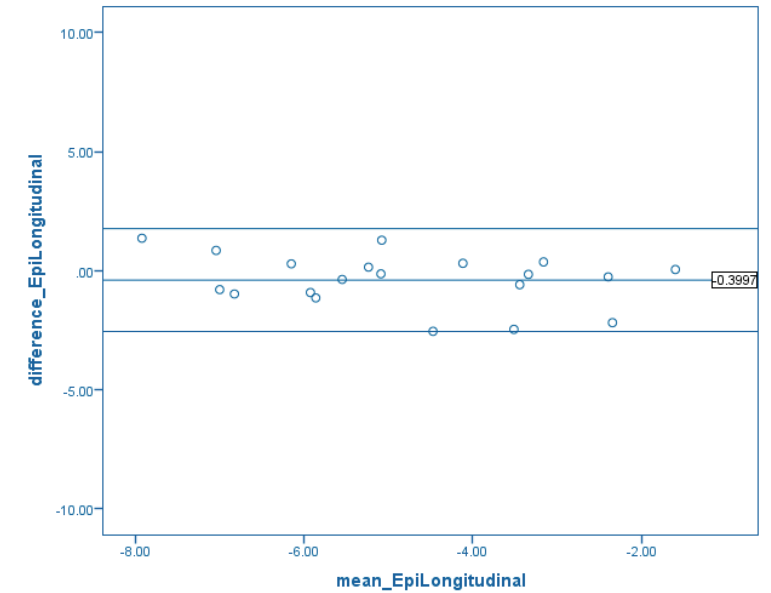
BA Plots showing inter-observer agreement for CMR-FT derived ML GLS in DCM cohort (n=20)



Whole-layer GLS
Bias = 0.44
LOA = 2.7 (2.2; -3.1)

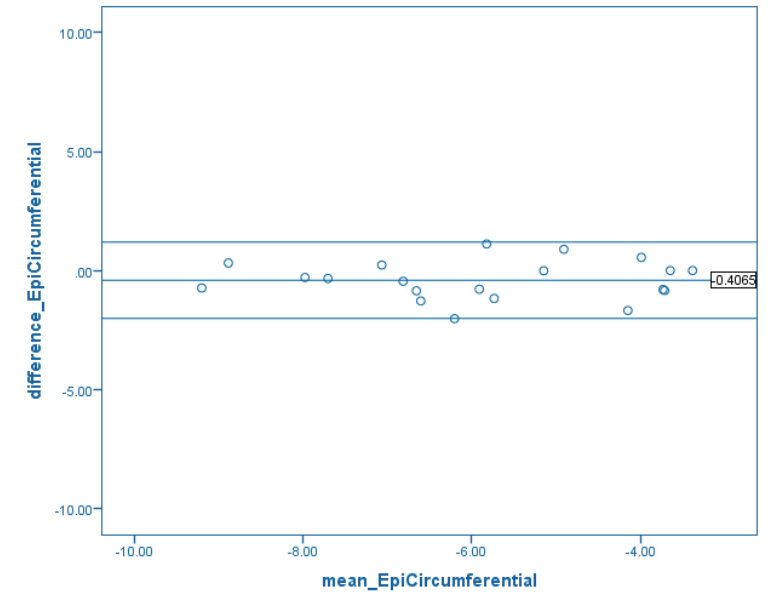
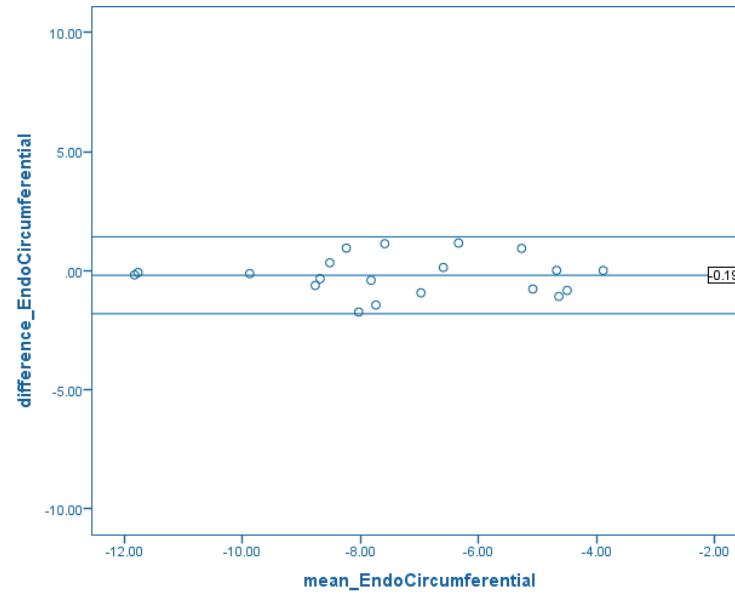
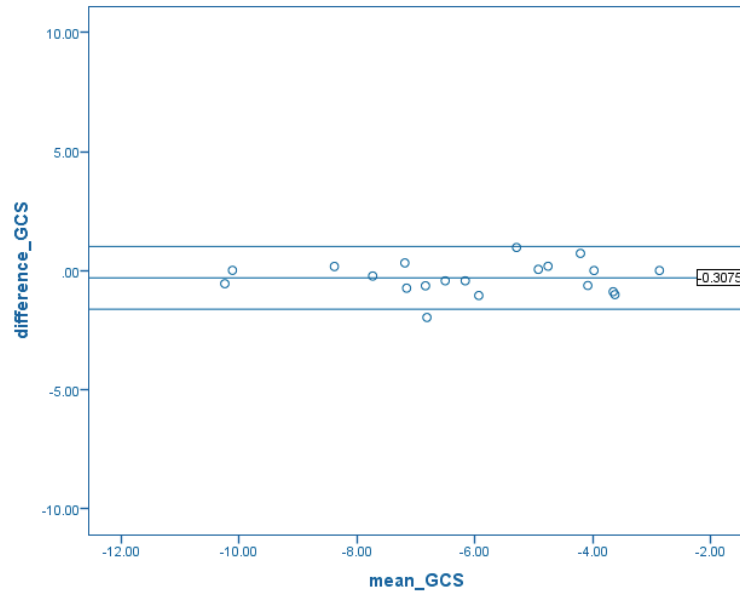


Endocardial GLS
Bias = 0.34
LOA = 2.1 (1.8; -2.4)



Epicardial GLS
Bias = 0.40
LOA = 2.2 (1.8; -2.6)

BA Plots showing inter-observer agreement for CMR-FT derived ML GCS in DCM cohort (n=20)



Whole-layer GCS

Bias = 0.31

LOA = 1.3 (1.0; -1.6)

Endocardial GCS

Bias = 0.20

LOA = 1.6 (1.4; -1.8)

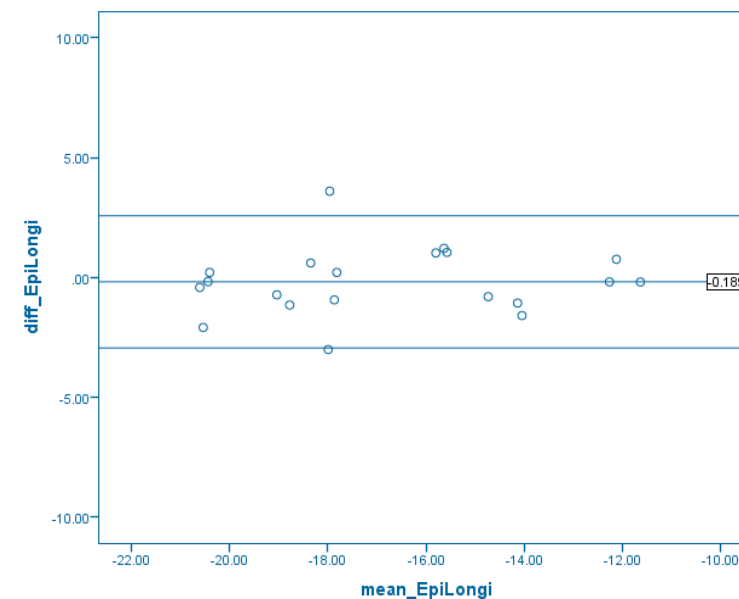
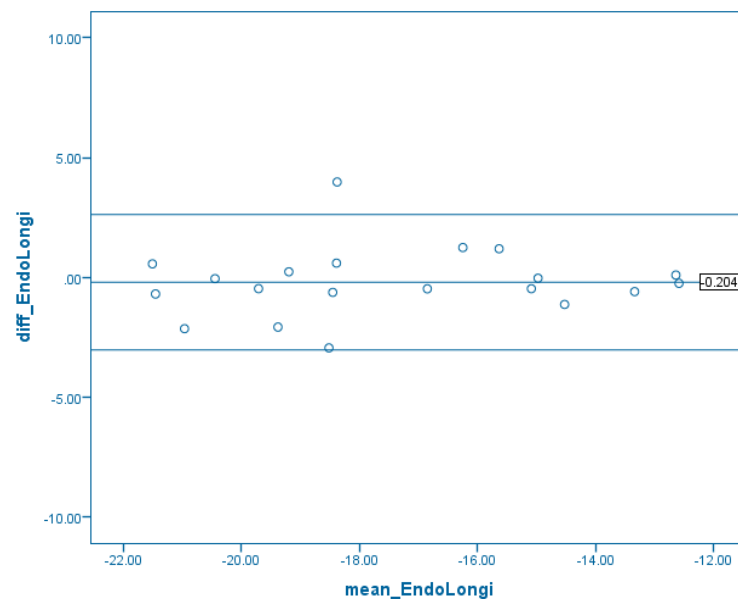
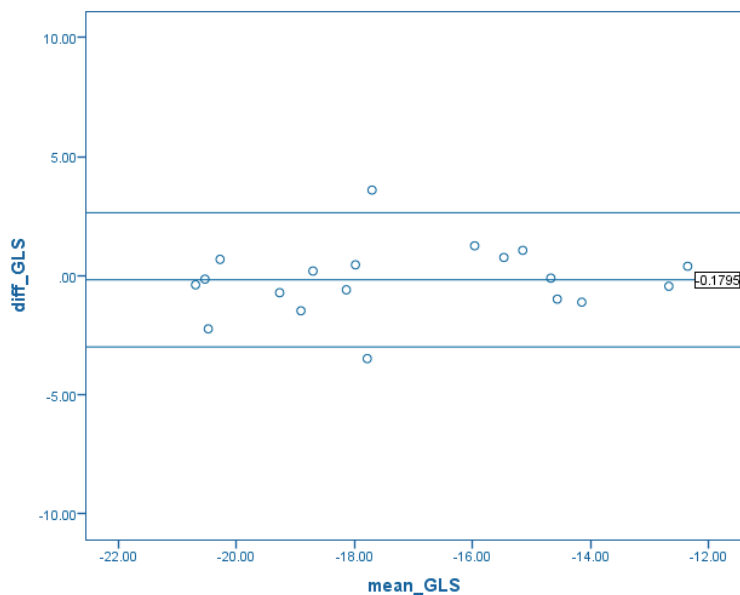
Epicardial GCS

Bias = 0.41

LOA = 1.6 (1.2; -2.0)

Controls 1.5T Cohort (n=20)

BA Plots showing intra-observer agreement for CMR-FT derived ML GLS in Controls 1.5T cohort (n=20)



Whole-layer GLS

Bias = 0.18

LOA = 2.8 (2.6; -3.0)

Endocardial GLS

Bias = 0.20

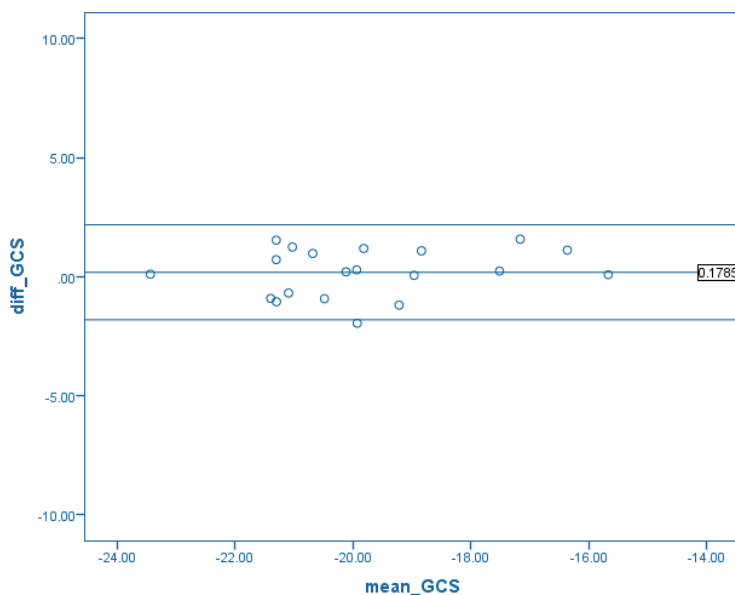
LOA = 2.8 (2.6; -3.0)

Epicardial GLS

Bias = 0.19

LOA = 2.8 (2.6 -2.9)

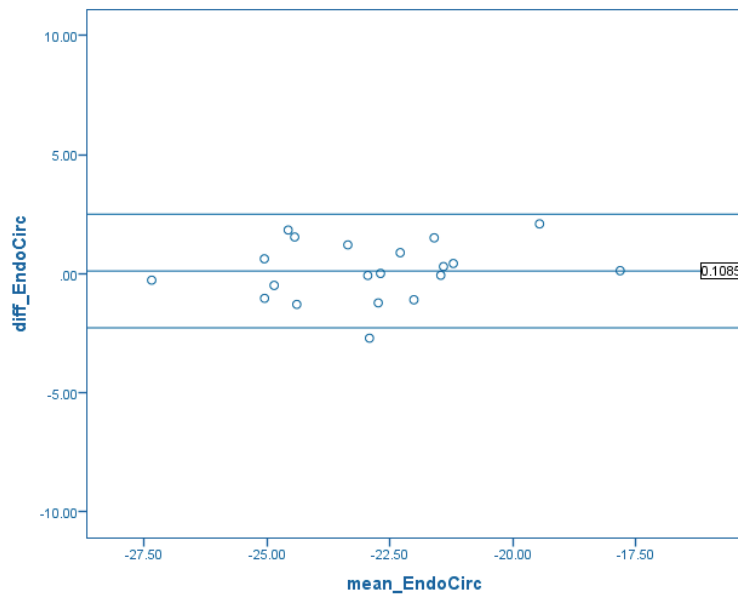
BA Plots showing intra-observer agreement for CMR-FT derived ML GCS in Controls 1.5T cohort (n=20)



Whole-layer GCS

Bias = 0.18

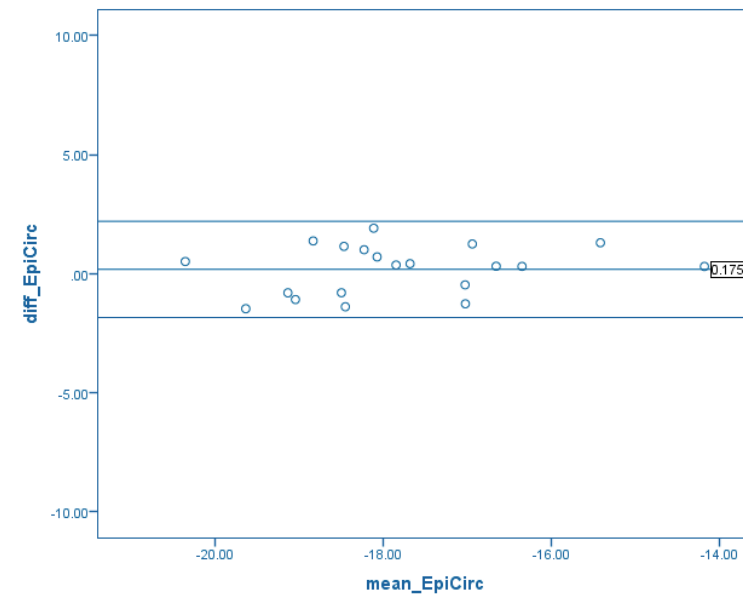
LOA = 2.0 (2.2; -1.8)



Endocardial GCS

Bias = 0.11

LOA = 2.4 (2.5; -2.3)

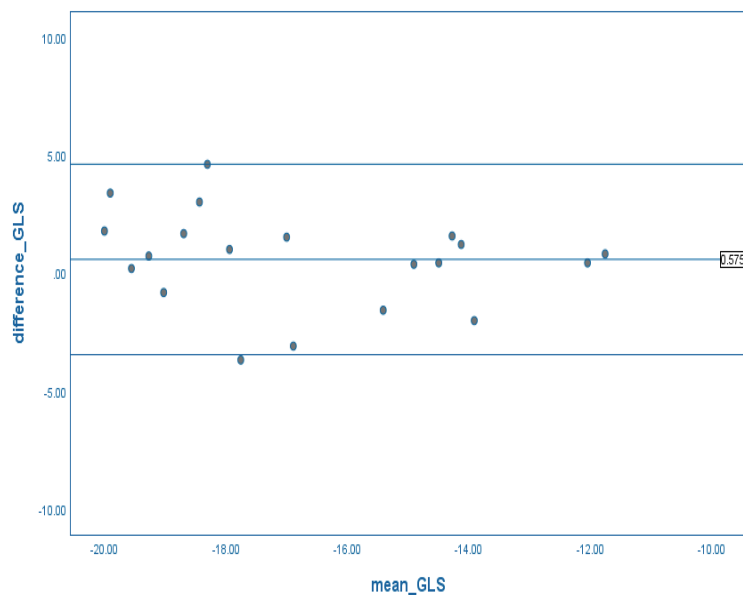


Epicardial GCS

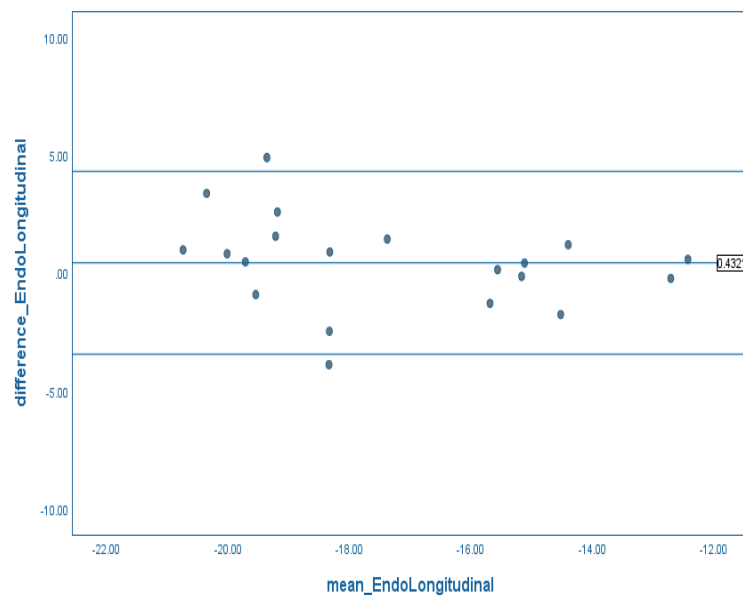
Bias = 0.18

LOA = 2.0 (2.2; -1.8)

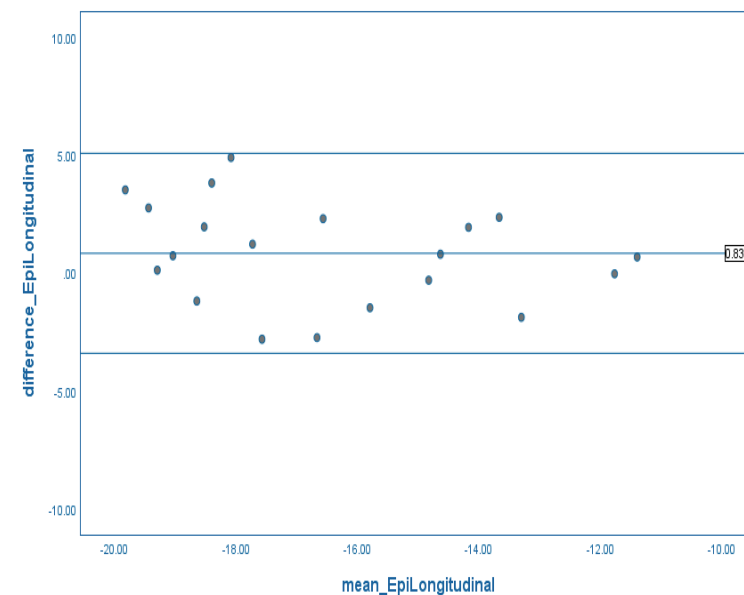
BA Plots showing inter-observer agreement for CMR-FT derived ML GLS in Controls 1.5T cohort (n=20)



Whole-layer GLS
Bias = 0.58
LOA = 4.0 (4.6; -3.5)

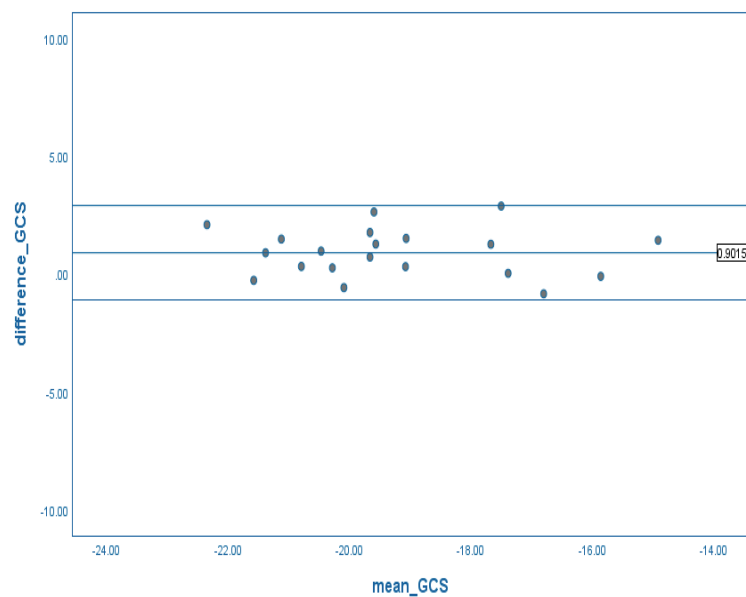


Endocardial GLS
Bias = 0.43
LOA = 3.9 (4.3; -3.4)



Epicardial GLS
Bias = 0.83
LOA = 4.2 (5.1; -3.4)

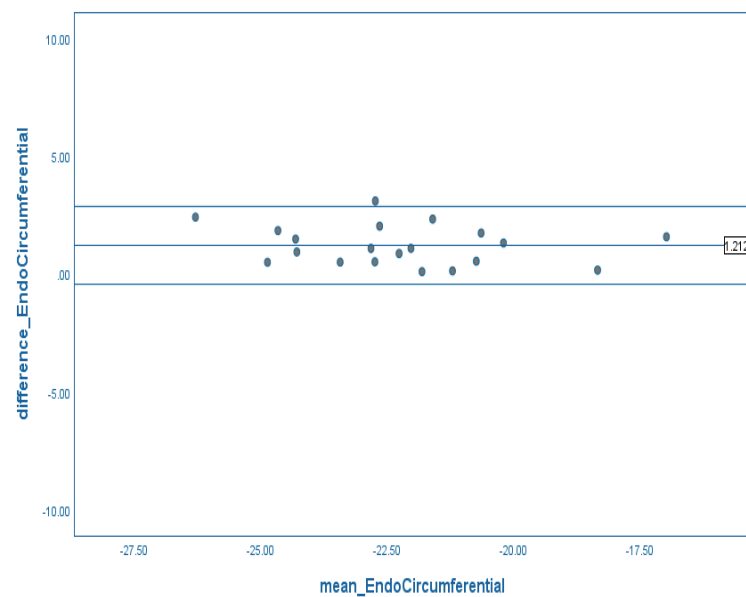
BA Plots showing inter-observer agreement for CMR-FT derived ML GCS in Controls 1.5T cohort (n=20)



Whole-layer GCS

Bias = 0.90

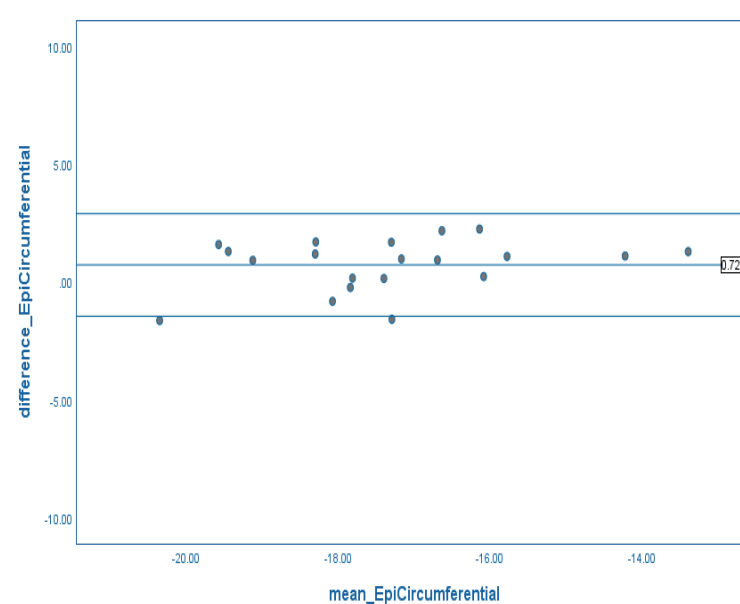
LOA = 2.0 (2.9; -1.1)



Endocardial GCS

Bias = 1.21

LOA = 1.7 (2.9; -0.4)



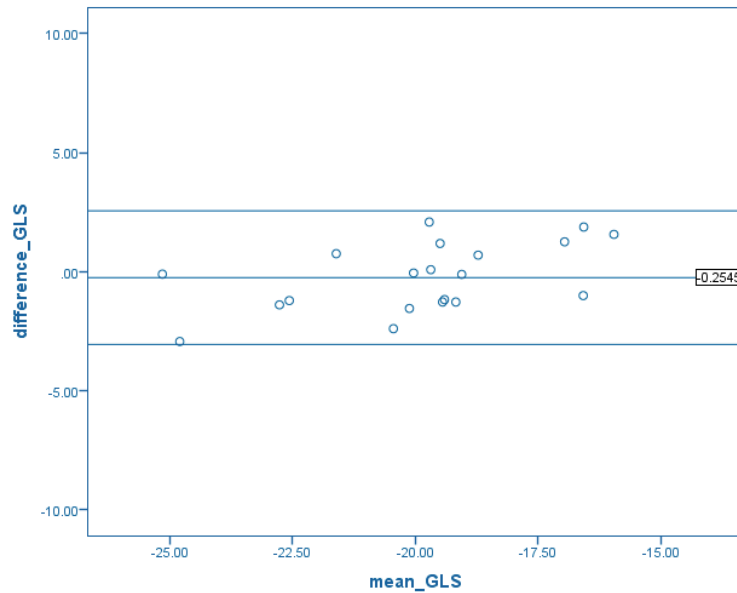
Epicardial GCS

Bias = 0.72

LOA = 2.2 (2.9; -1.5)

Controls 3T Cohort (n=20)

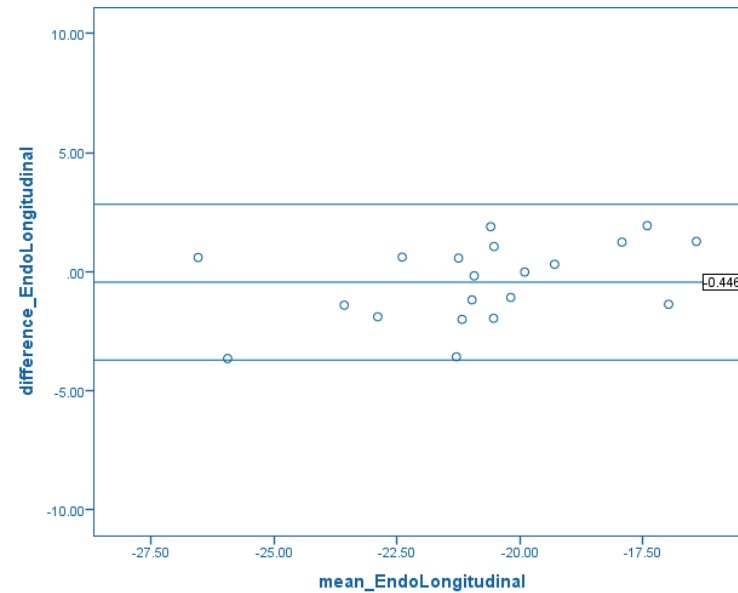
BA Plots showing intra-observer agreement for CMR-FT derived ML GLS in Controls 3T cohort (n=20)



Whole-layer GLS

Bias = 0.25

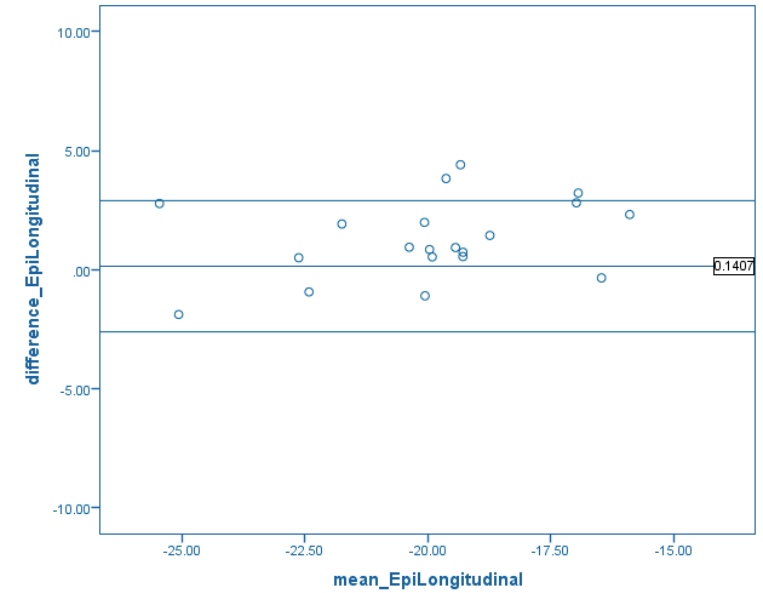
LOA = 2.8 (2.5; -3.1)



Endocardial GLS

Bias = 0.45

LOA = 3.3 (2.8; -3.7)

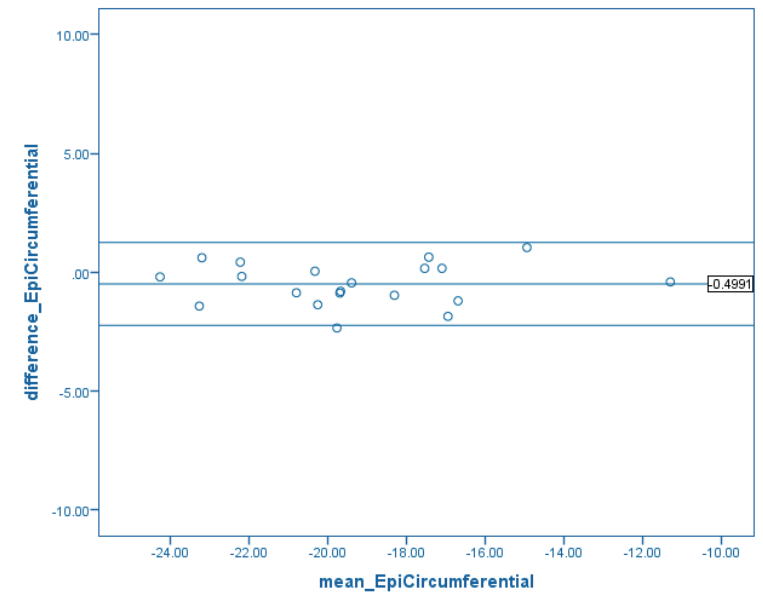
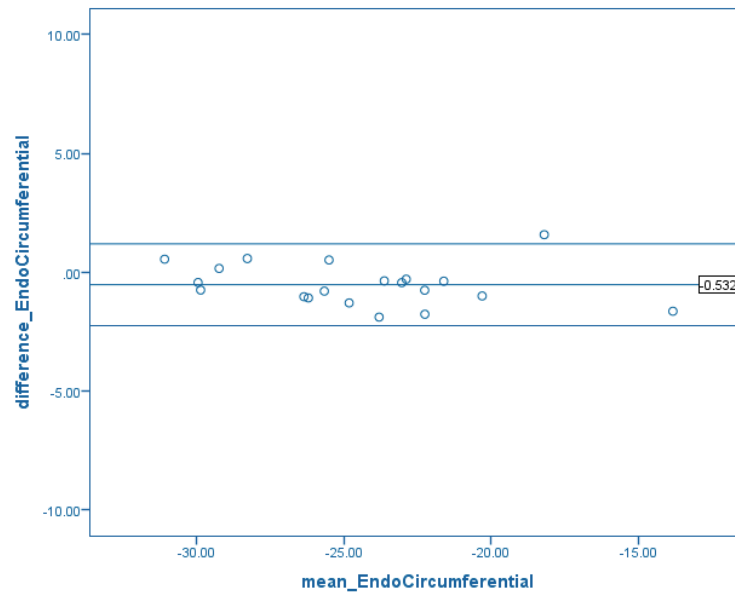
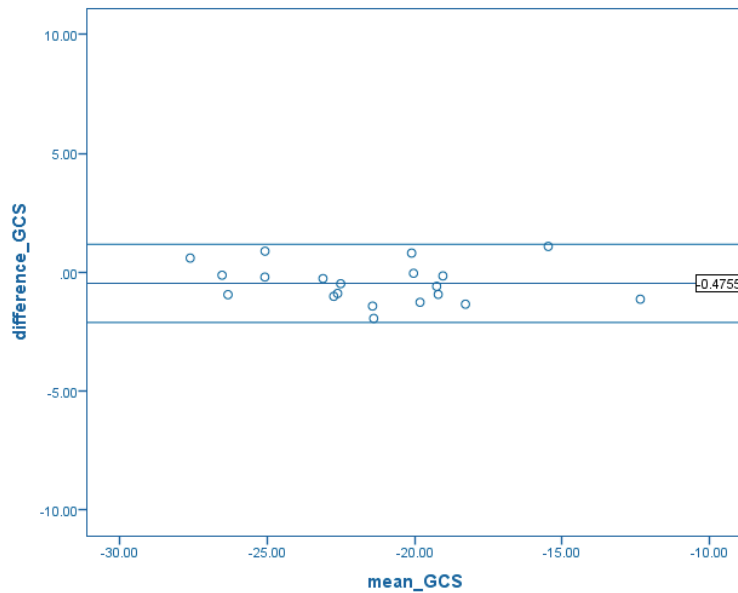


Epicardial GLS

Bias = 0.14

LOA = 2.8 (2.9; -2.6)

BA Plots showing intra-observer agreement for CMR-FT derived ML GCS in Controls 3T cohort (n=20)



Whole-layer GCS

Bias = 0.48

LOA = 1.6 (1.2; -2.1)

Endocardial GCS

Bias = 0.53

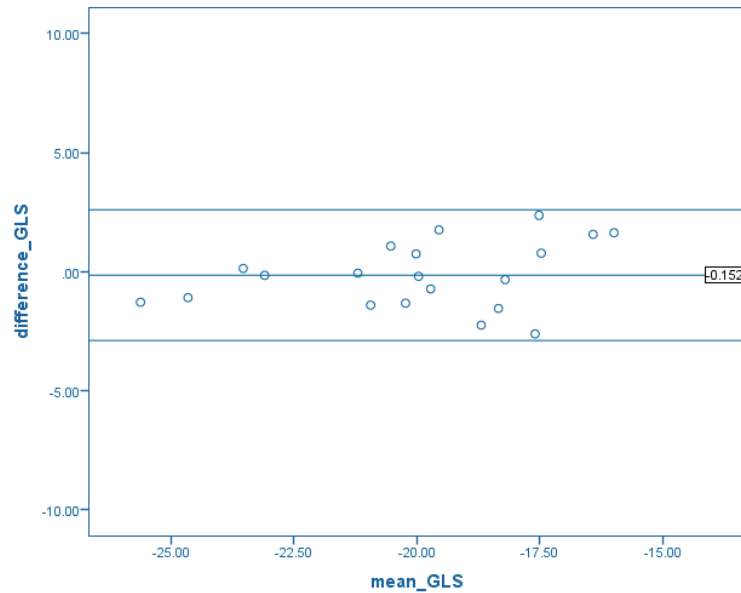
LOA = 1.7 (1.2; -2.3)

Epicardial GCS

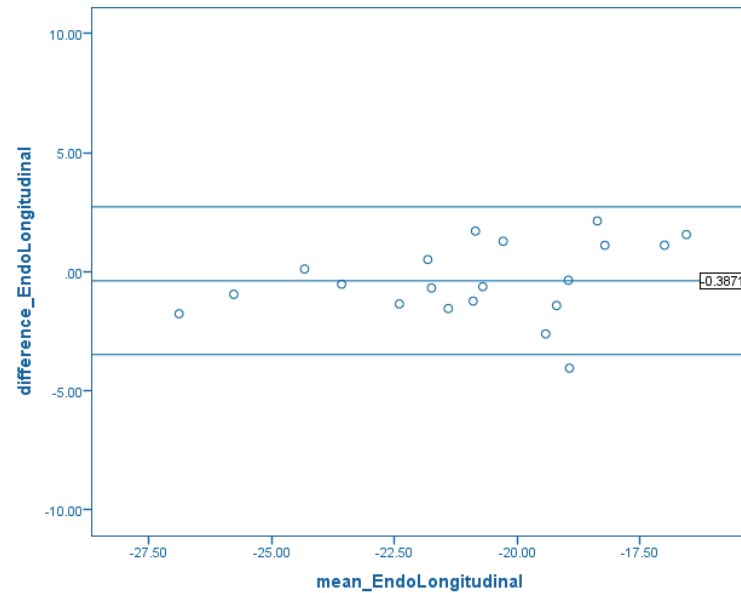
Bias = 0.50

LOA = 1.7 (1.2; -2.2)

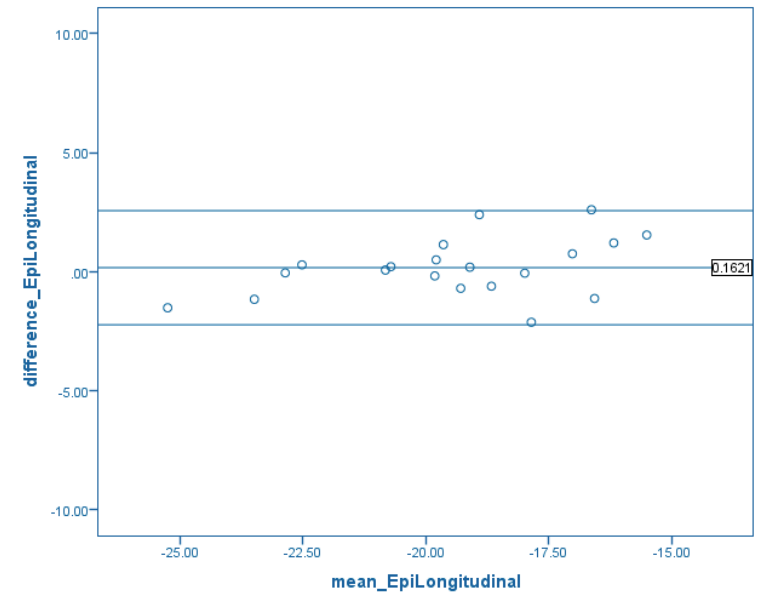
BA Plots showing inter-observer agreement for CMR-FT derived ML GLS in Controls 3T cohort (n=20)



Whole-layer GLS
Bias = 0.15
LOA = 2.7 (2.6; -2.9)

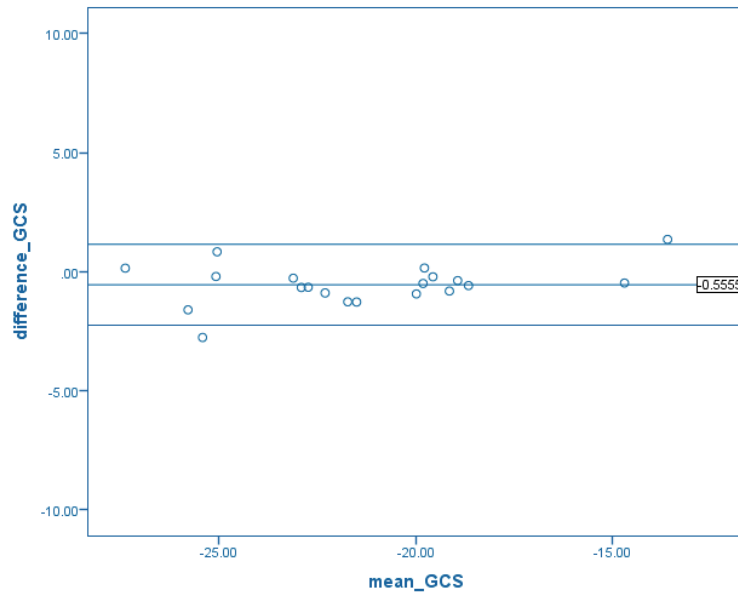


Endocardial GLS
Bias = 0.39
LOA = 3.1 (2.7; -3.5)

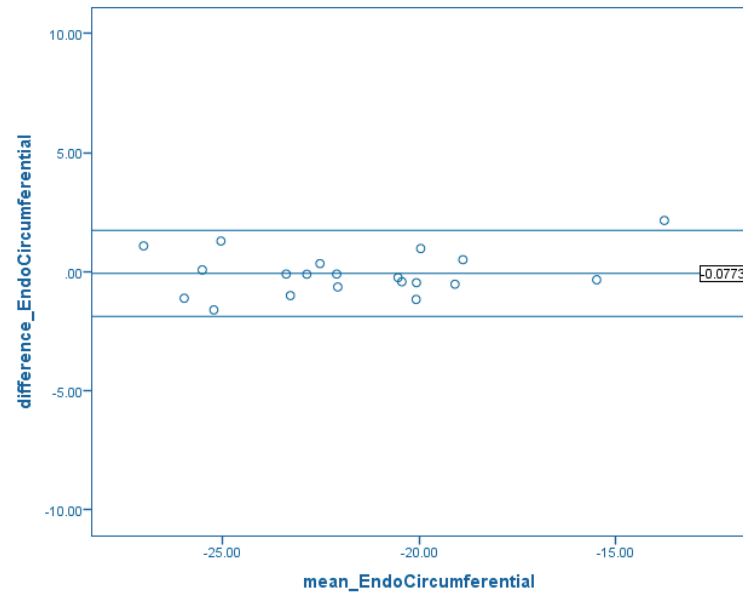


Epicardial GLS
Bias = 0.16
LOA = 2.4 (2.6; -2.2)

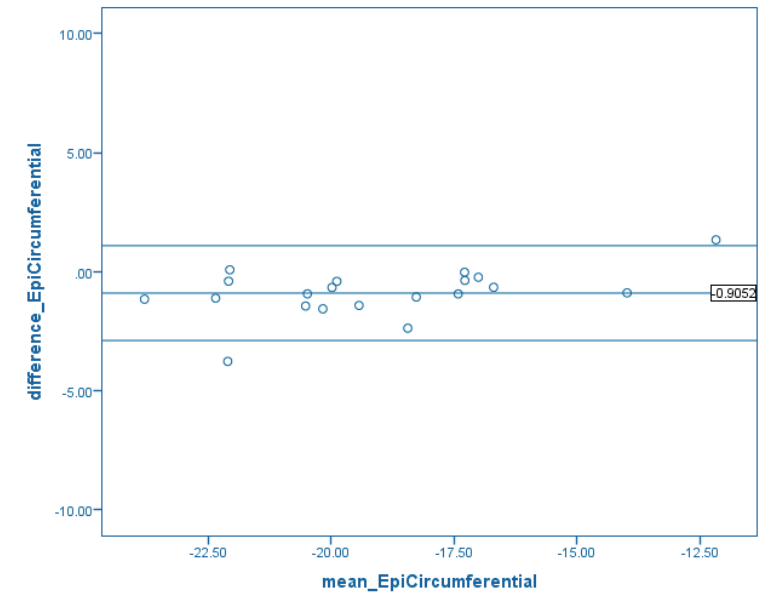
BA Plots showing inter-observer agreement for CMR-FT derived ML GCS in Controls 3T cohort (n=20)



Whole-layer GCS
Bias = 0.56
LOA = 1.7 (1.1; -2.3)



Endocardial GCS
Bias = 0.08
LOA = 1.8 (1.7; -1.9)



Epicardial GCS
Bias = 0.91
LOA = 2.0 (1.1; -2.9)