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EP08.50 Correlation between the TEI index in fetal echocardiography and other myocardial performance indices



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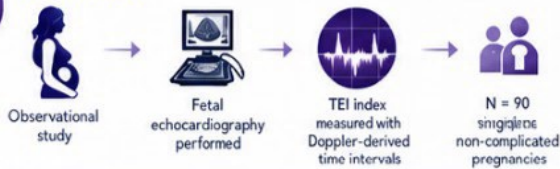


1 OBJECTIVE

Evaluate the correlation between the TEI index and other myocardial performance metrics in non-complicated pregnancies at 24–28 weeks.



2 METHODS



STUDY SNAPSHOT



TEI INDEX
(Myocardial Performance Index)

$$\frac{ICT - ET}{ET} = \frac{\text{Isovolumic Contraction Time} - \text{Ejection Time}}{\text{Ejection Time}}$$



3

RESULTS

CORRELATION WITH OTHER INDICES



Global heart sphericity index



No correlation
p = 0.122



Left ventricle sphericity index



No correlation
p = 0.158



Ejection fraction (Simpson method)



No correlation
p = 0.481



Stroke volume



Significant negative correlation
p = 0.044, r = -0.21



Right ventricle sphericity index



Significant positive correlation
p = 0.017, r = 0.236



CONCLUSION

The TEI index shows selective correlations, **especially with stroke volume (negative) and right ventricular morphology (positive).**



It may provide complementary information beyond conventional indices.

