

Cover Page



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Title: Deformation imaging and three-dimensional echocardiography : implications on clinical management of patients with ischemic heart disease

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**Deformation imaging and three-dimensional echocardiography:
Implications on clinical management of patients with ischemic heart disease**

1. Left ventricular regional assessment using speckle-tracking strain echocardiography provides more insights into myocardial tissue characteristics resulting in an improved risk stratification of ventricular arrhythmias post-myocardial infarction. (dit proefschrift)
2. Routine echocardiographic assessment following acute myocardial infarction should not only include left ventricular volumes and ejection fraction, but also right ventricular parameters and mitral valve function. (dit proefschrift)
3. Quantitative dobutamine stress echocardiography may overcome the limitations of conventional visual analysis and represents a promising new technique to detect significant angiographic coronary artery disease. (dit proefschrift)
4. Combining echocardiography and biomarkers is helpful in selecting and evaluating the most suitable treatment options in heart failure patients. (dit proefschrift)
5. Echocardiography is the key diagnostic tool in the context of complications of ST-segment elevation myocardial infarction. (Steg PG et al. Eur Heart Journal 2012;33:2569–619)
6. Since the assessment of strain has much to offer to clinicians as a marker of subclinical disease, among other situations, the assessment of strain must move away from the laboratories of expert researchers into general use. (Marwick TH. J Am Soc Echocardiogr 2012;25:1204–6)
7. Three-dimensional echocardiography underestimates volumes and has wide limits of agreement, but compared with traditional two-dimensional methods [...], three-dimensional echocardiography is more accurate for volumes and more precise in all three measurements [e.g. left ventricular end-diastolic and end-systolic volume and ejection fraction]. (Dorosz JL et al. J Am Coll Cardiol 2012;59:1799–808)
8. Interpretation of stress echocardiographic tests by an echocardiographer without specific training severely underestimates the diagnostic potential of this technique. (Picano E et al. J Am Coll Cardiol 1991;17:666–9)
9. Cardiac remodeling is generally accepted as a determinant of the clinical course of heart failure. [...] To fully appreciate the potential benefits of heart failure therapies, clinicians should understand the relationship between remodeling and heart failure progression. (Cohn JN et al. J Am Coll Cardiol 2000;35:569–82)
10. There is more than meets the eye. (Unknown)
11. I am trying to think, don't confuse me with facts. (Plato, 427–347 v.Chr.)
12. Een conclusie is het punt waar men ophoudt te denken. (English translation: A conclusion is the place where you got tired of thinking.) (Unknown)
13. Genieten is de basis van presteren. (English translation: Enjoy what you do and you will excel.) (Mart Smeets, 2010)