

Stellingen behorend bij het proefschrift:

Advanced Three-Dimensional Echocardiography

1. The pulsed wave Doppler flow method overestimates mitral regurgitation volume. (*this thesis*)
2. Left atrial compliance buffers left atrial pressure rise and prevents symptoms in patients with severe chronic mitral regurgitation. (*this thesis*)
3. The Frank–Starling Law may exist in the left atrium of patients with degenerative mitral regurgitation. (*this thesis*)
4. The majority of patients referred for left ventricular function assessment can be fully automatically analysed using three-dimensional echocardiography. (*this thesis*)
5. Wide-view registration and fusion of three-dimensional transoesophageal echocardiographic datasets of left atrium may guide catheter ablation procedures. (*this thesis*)
6. Three-dimensional echocardiography has been shown to improve the diagnostic confidence and the communication between members of the valvular heart team. (*Eur Heart J 2011; 32:2189-214*)
7. When mitral regurgitation worsen gradually, the left atrium dilates (accommodating a larger volume with little increase in left atrial pressure), predisposing affected patients to atrial fibrillation. (*J Am Coll Cardiol 2002;40:84-92*)
8. Three-dimensional echocardiography underestimates left ventricular volumes and ejection fraction and has a substantial degree of variance, especially in patients with poor images or large ventricles. In these patient groups, or when the results are critical and contradict other clinical data, a degree of scepticism is warranted. (*J Am Coll Cardiol. 2012;59(20):1799-808*)
9. Preliminary experience shows that the real-time 3D transoesophageal echocardiography guided pulmonary vein ablation procedure is feasible, allowing fluoroscopy-free navigation and precise delineation of the site of radiofrequency energy delivery. (*Heart 2013;99:133-142*)
10. “知之为之，不知为不知，是知也。” 《论语·为政》 “I shall teach you what is ‘knowing’. It is to acknowledge what is known as known and what is not known as not known. Now that is ‘knowing’.” (*Analects of Confucius 2:17*)
11. Then you will know the truth, and the truth will set you free. (*John 8:32, New Testament*)