

## Stellingen behorende bij het proefschrift

### The role of advanced imaging in Transcatheter Aortic Valve Implantation

Apostolos Tzikas, Rotterdam, 21 April 2011

1. Left ventricular twist increases proportionally to the severity of aortic stenosis, which may be a result of a complete or partial loss of the inhibiting effect of the subendocardial fibres due to subendocardial dysfunction. (*This thesis*)
2. Correct measurement of the aortic annulus is important for transcatheter aortic valve implantation. (*This thesis*)
3. The maximum annulus diameter and degree of prosthesis oversizing were determinants of paravalvular aortic regurgitation suggesting that improved sizing based on a 3D imaging modality e.g. MSCT should reduce its occurrence. (*This thesis*)
4. The induction of new conduction abnormalities following transcatheter aortic valve implantation is associated with a lack of improvement in left ventricular systolic function. (*This thesis*)
5. As transcatheter aortic valve implantation and catheter based mitral valve repair are still in the experimental phase, it is too early to consider a combined percutaneous aortic and mitral treatment. (*This thesis*)
6. What makes me so certain that the natural human lifespan is far in excess of the actual one is this. Among all my autopsies (and I have performed over 1000), I have never seen a person who died of old age. In fact, I do not think that anyone has ever died of old age yet. We invariably die because one vital part has worn out too early in proportion to the rest of the body. (*Dr. Hans Selye*)
7. The scientist is not a person who gives the right answers; he's one who asks the right questions. (*Claude Lévi-Strauss*)
8. Believe those who are seeking the truth. Doubt those who find it. (*Andre Gide*)
9. Think like a man of action, act like a man of thought. (*Henri Louis Bergson*)
10. Life is short, the art long, opportunity fleeting, experiment treacherous, judgment difficult. (*Hippocrates*)
11. Be careful about reading health books. You may die of a misprint. (*Mark Twain*)