

Stellingen

Behorende bij het proefschrift van W. Li

1. The approximately 90° angle between the ultrasound beam and the blood flow in intravascular imaging provides a unique opportunity to assess volume flow and vessel morphology simultaneously.

This thesis

2. Although many “intelligent” algorithms have been developed, fully automatic contour detection in ultrasound images remains a challenge.

This thesis

3. Analysis of the radio frequency signal is the future of computerized image processing in medical ultrasound.

This thesis

4. The disagreement observed between data obtained with a new technology (IVUS) and those obtained with the conventional one (angiography) indicates the importance of introducing this new technology.

This thesis

5. Volumetric quantification is not just one dimension more accurate than measurements obtained from individual IVUS cross-sectional images.

This thesis

6. One image speaks a thousand words; the task of image processing is to find the right one.

7. Even with a fully automated measurement program, “observer variability” will exist as long as the final result is judged by a human.

8. The superiority of the human brain for image interpretation is based on the ability to see an image as a whole, which is much more efficient than a computer that reads it pixel by pixel.

9. Novel ideas derive their importance from being created at the right moment in time.
10. A son who has left his home for 100 years is promised to have 50 years to get used to his mother again.

The return of Hong Kong to China

11. Unlike plants, the strong wind in Holland does not make Dutch people grow shorter. Perhaps, the fact that they are even taller than people from most other countries may be attributed to their competition for sunshine.
12. For network connection a shorter distance does not necessarily mean faster and cheaper, that is why it is being promoted for global communication.
13. A smile is a polite and commonly used reply by Chinese people. Rather unfortunately, it often leaves a lot of things undetermined.
14. The charm of competition in sports is to create a winner without actually hurting each other; the sad thing is that some people who love the competition do exactly the opposite.
15. Apparently, modern scientific research has become so dynamic that one can hardly find any permanent position in an academic environment.