

# Stellingen

behorende bij het proefschrift

## Haemodynamics of Large Vessels by Phase Contrast MRI

- 1- The spatial patterns of wall shear stress can be detected by phase contrast MRI at clinically relevant spatial and temporal resolutions. (This thesis)
- 2- The agreement between phase contrast MRI and CFD increases our confidence in both measurements and simulations of hemodynamics. (This thesis)
- 3- The spatiotemporal resolution of phase contrast MRI involves a trade-off between the measurement duration and the accuracy of the magnitude of hemodynamic parameters. (This thesis)
- 4- Phase contrast MRI based wall shear stress allows the study of patho-physiology of atherosclerotic plaque formation in large populations. (This thesis)
- 5- Phase contrast MRI can be used to estimate viscous dissipation inside Fontan circulation which is related to impaired physical exercise capacity of Fontan patients. (This thesis)
- 6- Moral values begin by avoiding making exceptions for ourselves.
- 7- Borders will not be discovered by those who are walking in the middle.
- 8- A system without output does not exist.
- 9- Science is true whether you believe in it or not. (Neil deGrasse Tyson)
- 10- As an adult living in the developed world, we all are responsible for the suffering in the underdeveloped world.
- 11- Nobody can hurt me without my permission. (Mahatma Gandhi)