

Stellingen behorende bij het proefschrift

New Aspects of Excimer Laser Coronary Angioplasty
Physical aspects and clinical results

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- I. The existence of the “Moses effect” as described by Isner et al. could not be confirmed by our experiments. Alternatively, as homogeneous light distribution at the distal end of a multifiber catheter is the result of “tip modification” we introduce the “Abraham effect”.
- II. “Direct Microscopy” is a useful alternative to light microscopy as a routine technique for rapid evaluation of in vitro excimer laser-tissue interaction (this thesis).
- III. The speed of catheter advancement during excimer laser coronary angioplasty should not exceed the rate at which the laser system can ablate tissue (this thesis).
- IV. The application of a homogeneous light distribution at the distal tip of excimer laser multifiber catheters results in a reduction of the energy density related mechanical tissue damage (this thesis).
- V. The quest for those parameters of excimer laser atherectomy that allow for ablation of vascular tissues without collateral, mechanical damage resulted in an unexpected re-introduction of the concept of thermal ablation (this thesis).
- VI. Patients with chronic coronary occlusion and myocardial ischemia should undergo revascularization (percutaneous or surgical), rather than medical therapy (this thesis).
- VII. The decision to refer a patient with single vessel occlusive coronary artery disease for coronary revascularization should involve a non-target vessel related risk strategy (this thesis).

- VIII. Excimer laser coronary angioplasty and adjunctive percutaneous transluminal coronary angioplasty (ELCA + PTCA) is not a suitable stand-alone therapy for diffuse instent restenosis of long stented segments (this thesis).
- IX. Phantom limb pain following amputation is the result of a disturbed reorganization of the somato-sensory cortex due to an amputation induced deafferentation (David Moffie, MD, PhD).
- X. The most perceptive study on the influence of amyotrophic lateral sclerosis on the human psyche is the string quartet No. 15, opus 144 in E-flat minor, by Dmitri Shostakovich.
- XI. We owe the creation of Arnold Schönberg's "Verklärte Nacht" to the love he felt for the woman he was going to wed. We owe his concept of dodecaphony to the fact that she deceived him.
- XII. There are maladies that we must not seek to cure because they alone protect us from others, that are more serious. Marcel Proust (in: Combray, Chez Swann, 1, p.162).
- XIII. The founders of "The NIR School of the Heart" should be nominated for the Nobel Peace Prize.
- XIV. The relative futility of issues and arguments in current Dutch politics is a reflection of the high economic and social standard of our society, which in turn is a reflection of the high quality of the Dutch political system.

