Stellingen

The Bright and The Dark Sides of Brachytherapy: Mechanisms of Stenosis Reduction and Findings of Intracoronary β-Radiation Therapy Revealed by IVUS-3D and QCA

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1. IVUS analysis may be necessary to investigate the mechanism of restenosis after balloon angioplasty followed by catheter-based radiation. (this thesis)
2. Both experimental and clinical studies have demonstrated delayed lumen deterioration after both catheter-based radiation and radioactive stenting. (this thesis)
3. Intracoronary β-radiation induces vessel enlargement after balloon angioplasty and/or stenting, accommodating tissue growth. (this thesis)
4. In Europe, most of the experience and mechanistic information in this field have been obtained from the treatment of de novo lesions using β-radiation. (this thesis)
5. A higher radiation dose delivered to the adventitia eliminates the effect of tensile stress, which may suggest the presence of mechanoreceptors in the vessel wall and their abolition by the radiation. (this thesis)
6. The restenotic process after radiation is very complex and remains poorly understood. (this thesis)
7. It is important to use less aggressive approach: avoidance of deep catheter engagement, guide wire entrapment or rough device introduction against resistance especially in tortuous vessels.
8. Things invisible are still there – The Black Hole
9. There is no royal road to learning.
10. Two heads are better than one. All the publications are made from the collaboration with colleagues.
11. Have no fear of perfection. You’ll never reach it. (Salvador Dali)
12. Diligence is the mother of good fortune.
13. The important thing is never to stop questioning. (Albert Einstein)
14. The Japanese may argue that members cannot exist without the existence of groups.
15. Don’t pinch me, don’t wake me up, I want to keep dreaming! (Patrick W. Serruys, MD. PhD)