

Stellingen behorende bij het proefschrift

Prostate Cancer Radiotherapy: A Field in Motion

1. Image-guided intensity modulated radiotherapy (IMRT) is superior to 3-dimensional conformal radiotherapy (3D-CRT) in terms of radiation-induced toxicity and should be the preferred technique in prostate cancer treatment. *(dit proefschrift)*
2. Integration of MRI in prostate cancer treatment planning appears to decrease the rectal treatment dose and results in decreased gastrointestinal toxicities as compared to CT-based treatment planning. *(dit proefschrift)*
3. Hypofractionated radiotherapy of 19 fractions of 3.4 Gy is not superior to conventionally fractionated treatment of 39 fractions of 2 Gy in terms of 5-year relapse-free survival. This hypofractionated treatment regimen cannot be regarded as new standard of care in patients with intermediate- and high-risk localized prostate cancer. *(dit proefschrift)*
4. Male sexual function after radiotherapy for prostate cancer remains insufficiently addressed despite the fact that modern radiotherapy techniques still cause substantial erectile dysfunction. *(dit proefschrift)*
5. Despite the fact that substantial radiation-induced gastrointestinal and genitourinary toxicities occurred within both treatment arms of the HYPRO trial, two-thirds of all patients reported no changes in the respective quality of life subscales at three-year follow-up. *(dit proefschrift)*
6. In order to compete with radical prostatectomy in terms of patient convenience, the ultimate goal in external beam radiotherapy for localized prostate cancer will be to achieve a single-fraction treatment.
7. The Olympic phrase “the most important thing is not winning but taking part” should apply to scientific research.
8. When developing new clinical trials, we should constantly ask ourselves if the wishes and expectations of physicians match those of the patients that we wish to treat.
9. “Innocence about science is the worst crime today.” *(Sir Charles Percy Snow)*
10. The future of radiation oncology is high-tech: “Remember that one machine can do the work of fifty ordinary men. No machine can do the work of one extraordinary man.” *(Elbert Hubbard)*
11. “Begin altijd met het einde in gedachte.” *(Eberhard van der Laan)*