

## Stellingen

behorende bij het proefschrift

### **Dosimetric Verification of Intensity Modulated Radiotherapy with an Electronic Portal Imaging Device**

1. Compared to other detectors available in radiotherapy, EPIDs allow for fast, 2D quality assurance in IMRT.
2. An important and difficult issue in quality assurance is knowing how far to go.
3. Without individual patient quality assurance in IMRT, no record of the actual dose delivered to the patient is available and therefore no proof that the treatment was performed properly exists.
4. Parts of the treatment couch and the immobilisation devices currently used need to be adapted given their high radiation absorption and because of the large frequency of oblique posterior beams present in IMRT.
5. Splitting the delivered IMRT field into a non-modulated and a modulated part can identify sources of treatment errors, thereby solving a major problem of IMRT verification.
6. Making undeveloped countries pay higher export taxes than developed countries may export terrorism instead.
7. Women rights and literal interpretation of ancient scriptures are like olive oil in water: they do not mix.
8. The difficulty of a musical instrument can be measured by the noise generated in the first lessons.
9. Portuguese TV reports extensively on traffic, whereas Dutch TV reports extensively on the weather. This says something about each country's concerns.
10. Behind all the laces and the giggling present in the work of Jane Austen, Elizabeth Bennet does a lot for women emancipation.
11. It has been shown as proof position that carefully prepared chocolate is as healthful a food as it is pleasant (...) that is above all helpful to people who must do a great deal of mental work.

*Anthelme Brillat-Savarin (1755-1826), French magistrate*

Sandra Vieira, 7 September 2005