1. $^{124}$I PET-based dosimetry provides valuable prognostic information regarding lesion response to radioiodine treatment in differentiated thyroid cancer (This thesis, valorization).

2. A personalized radioiodine therapy approach is most beneficial for differentiated thyroid cancer patients presenting with metastatic disease (This thesis, chapter 3).

3. Prompt gamma coincidence correction improves the accuracy of lesion dosimetry in $^{124}$I PET imaging (This thesis, chapter 4).

4. Accurate quantitative $^{124}$I PET/MRI-based lesion dosimetry is feasible in differentiated thyroid cancer (This thesis, chapter 5).

5. Ceiling scatter should be considered in the radiation shielding calculations of nuclear medicine rooms (This thesis, chapter 6).

6. Reliable patient dosimetry is a keystone of high quality radionuclide therapy (Hubert Thierens)

7. The full power of personalized radionuclide therapy is yet to be unleashed.

8. Nuclear medicine is more than the comprehensive extension to radiology.

9. Eén keer is ook periodiek (Anne Paans).