The use of both diagnostic and therapeutic MIBG in neuroblastoma patients
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The use of both diagnostic and therapeutic MIBG in neuroblastoma patients

1. $^{123}$I-MIBG scintigraphy is a sensitive method to detect neuroblastoma and its metastases. *This thesis (2014)*

2. There is not enough evidence from the literature to use $^{18}$F-FDG-PET-CT as an additional test. *This thesis (2014)*

3. “Focal” and “diffuse” metastases on MIBG scans, do not represent bone and bone marrow metastases. *This thesis (2014)*

4. Small “focal lesions” in the bone marrow grow out to “diffuse lesions” in the bone marrow and finally affect the cortical bone. *This thesis (2014)*

5. The term “osteomedullary” metastases for all skeletal metastatic lesions in neuroblastoma should be used until uniform and unambiguous definitions of bone and bone marrow metastases are found and reported. *This thesis (2014)*

6. Two prognostically relevant MIBG-avid metastatic patterns: a “limited and focal” pattern mainly found in MYCN-amplified neuroblastomas; and an “extensive and diffuse” pattern, predominant in MYCN-single-copy neuroblastoma, suggest that different underlying biological mechanisms are involved. *This thesis (2014)*

7. MIBG imaging combined with bone marrow biopsies/aspirates might underestimate the stage of the disease, because of the presence of false-negative lesions. *This thesis (2014)*

8. The “focal and limited” pattern might correlate with a low NET-expression in osteomedullary lesions. *This thesis (2014)*

9. $^{131}$I-MIBG-therapy is an effective treatment modality for unresectable localised neuroblastoma causing or in danger of causing organ or respiratory dysfunction and offers a good alternative to chemotherapy if urgent treatment is needed. *This thesis (2014)*


11. Acht niet hen hoog die al uw woorden en daden prijzen, maar hen die u welgemeend op uw fouten wijzen. *Socrates (469 v.C. - 399 v.C.)*

12. Beknoptheid is het kenmerk van verstand. *Shakespeare (1564-1616)*.


Stellingen behorende bij dit proefschrift