

3-Month Interim Report by Dr. Otto Hoekstra

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FDG-PET/CT Project Title:

Meta-analysis to Analyze the Robustness of FDG-PET SUV changes as a Response Marker, Post and during Systemic and Multimodality Therapy, for Various Types of Solid Extracerebral Tumors

Task 1: April 1st- July 1st 2011 - Update and extend VUmc databases containing data on individual patients in prospective VUmc and peer-reviewed studies, in > 800 patients on cytotoxic therapy. Contexts: baseline & end-of-treatment FDG PET; baseline & during treatment FDG PET.

July 1st, 2011: Progress

1. Developed comprehensive search strategy for Pubmed/Embase
2. Extracted relevant studies (reporting individual patient data) by 2 independent readers
3. Developed SPSS database (20 potential variables per study)
4. Completed data-entry on 759 patient data of 27 studies (ie. studies published until 2009; update of search until Jan. 2011 now running), ie. >90% of studies now covered
5. Developed adapted QUADAS tool for analysis of study quality (for task 2)

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