

Automatic static and dynamic tumor quantification in whole-body PET/CT scans

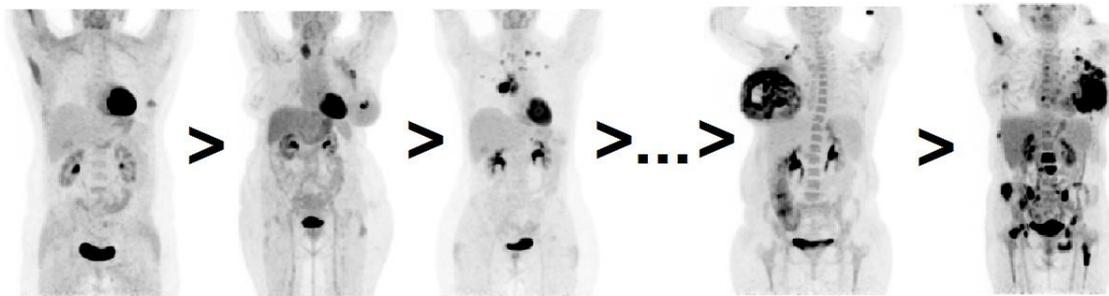
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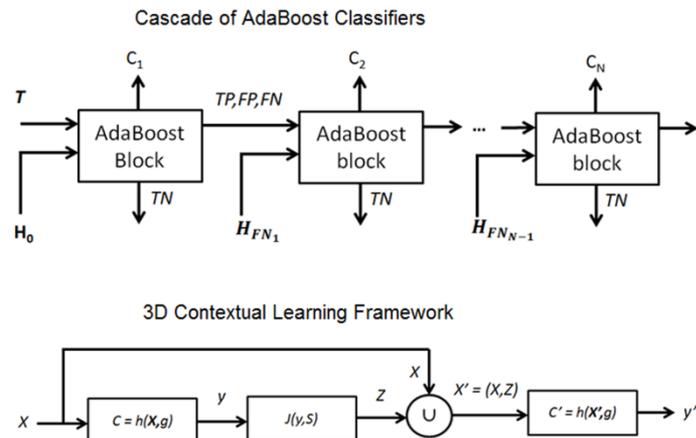
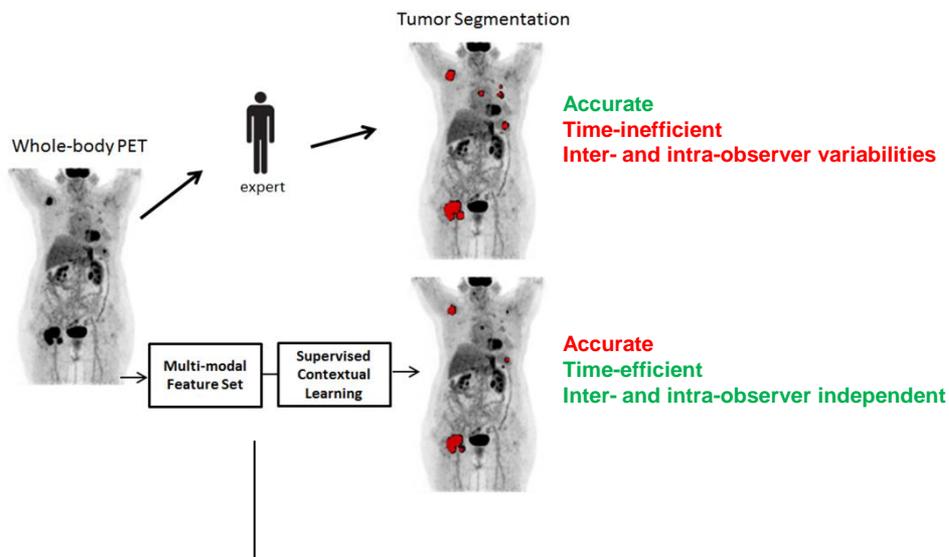


Summary of Previous and Current Work

Currently, in nuclear medicine clinical settings: qualitative cancer state and stage description from whole-body PET/CT 3D scans

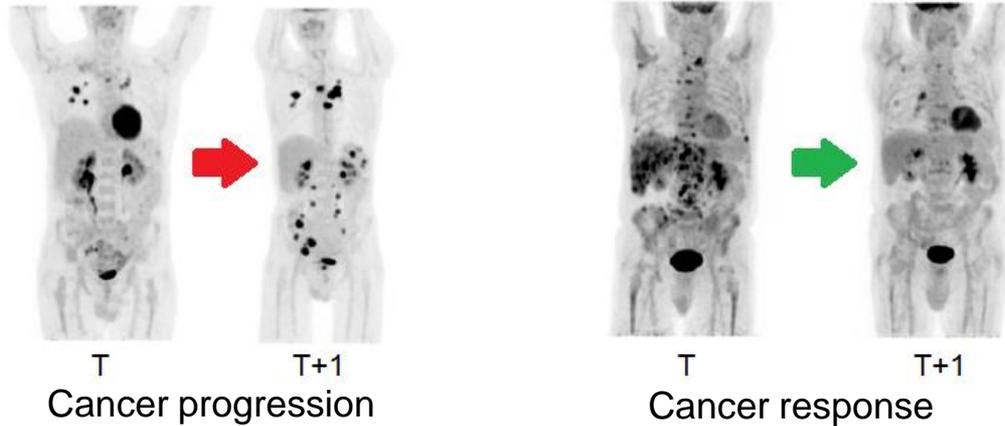


Interested in: oncologically relevant quantitative parameters derived from the image information such as the total tumor volume, aggressiveness and spread.



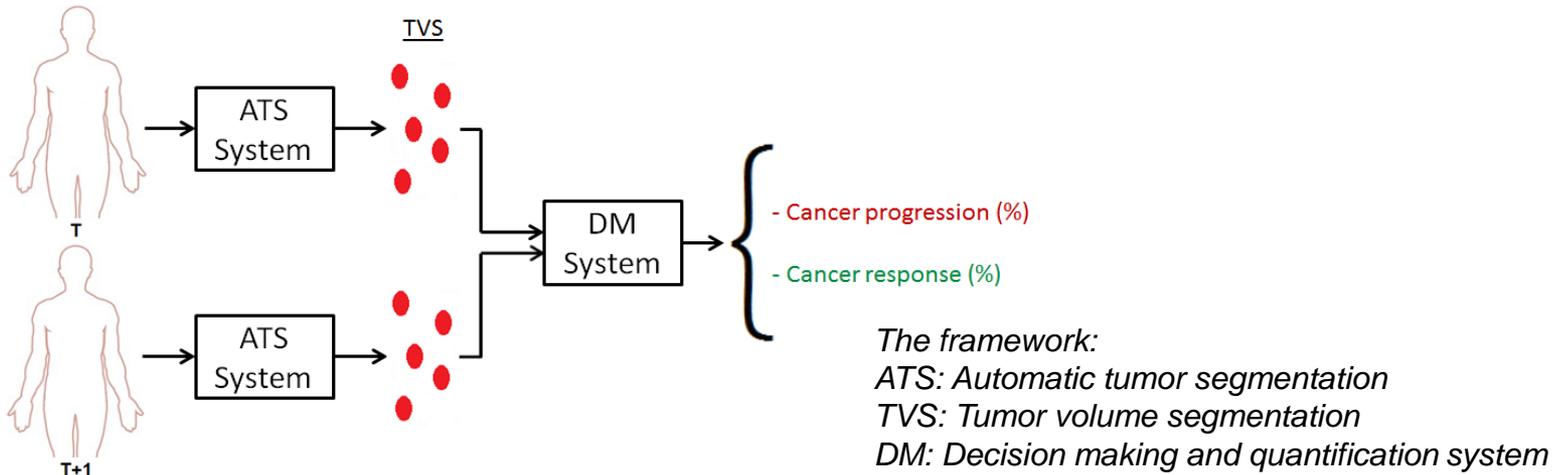
Future Work

Automatic quantitative cancer time evolution assessment using whole body PET/CT scans



Objective: To recognize the cancer evolution condition (progression, response) and to compute an associated quantitative parameter related to the severity of the condition that proves clinically relevant.

WB PET



Your personal challenge

“Let computers learn how to understand medical images and they may automatically provide objective and time-efficient quantitative information that can make the difference in radiology and nuclear medicine clinical settings”