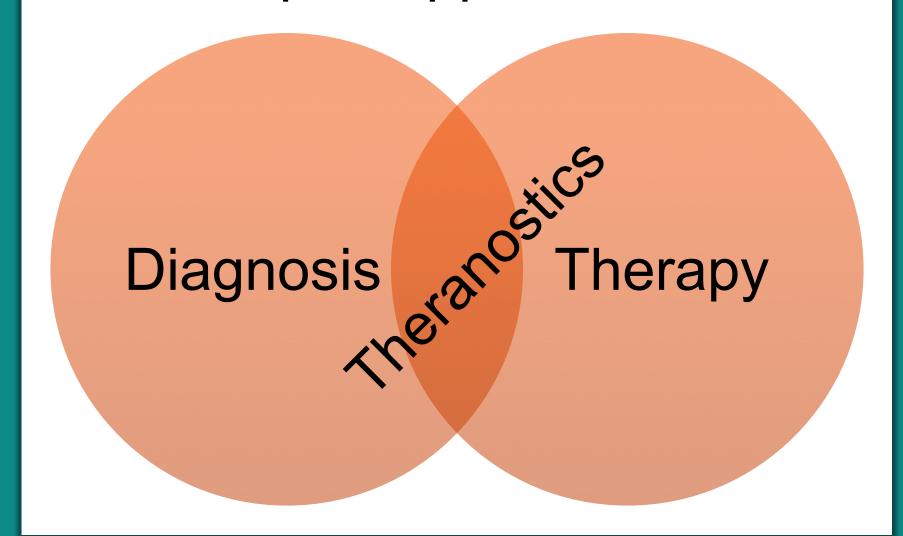
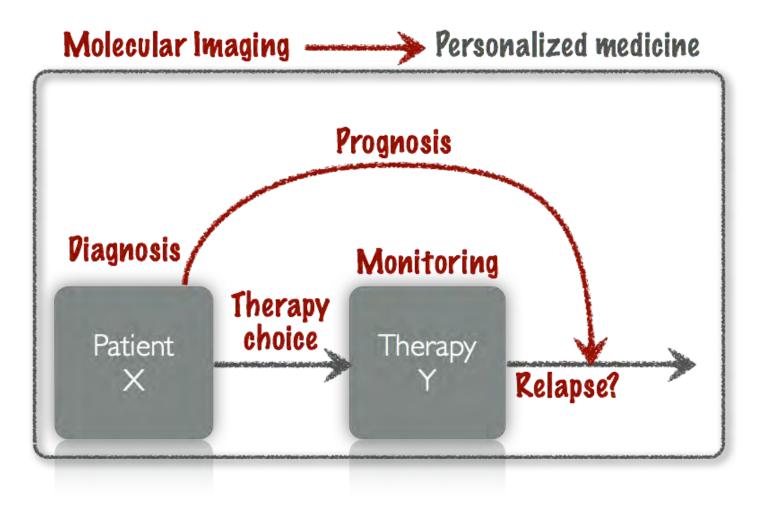


Radioisotpes Application



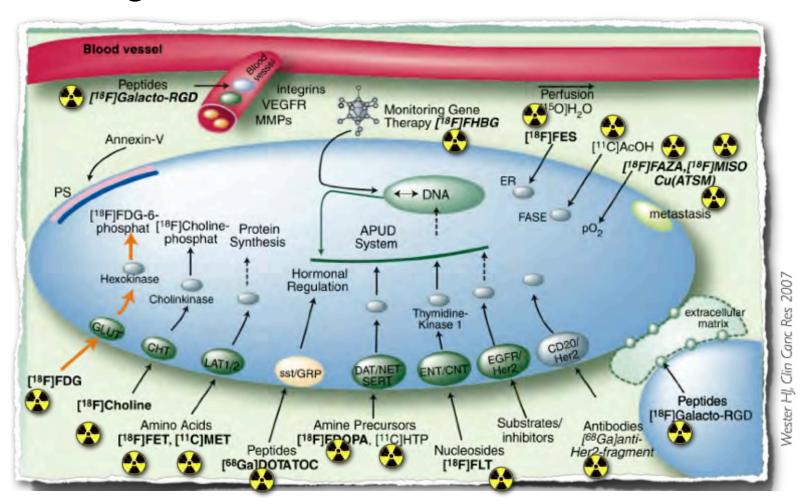


1. Diagnosis? → Not only





Radiositopes -> Radiopharmaceuticals and Targets



PET/CT: Molecular imaging in vivo

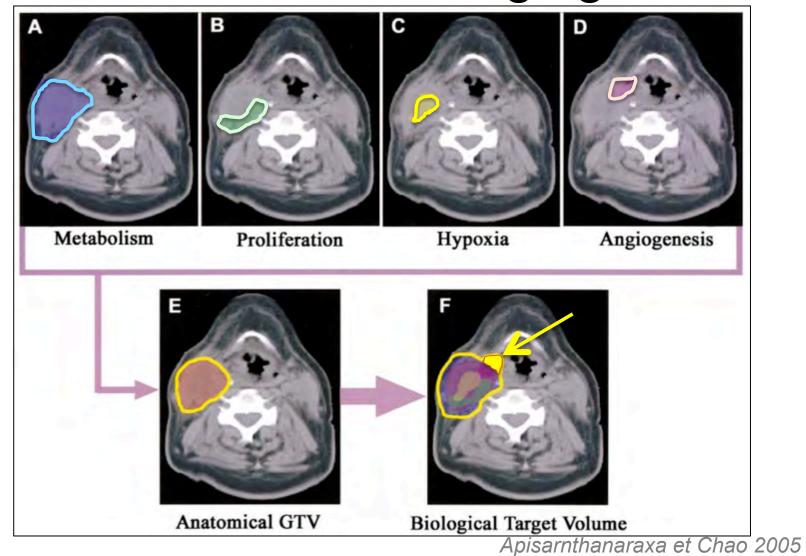
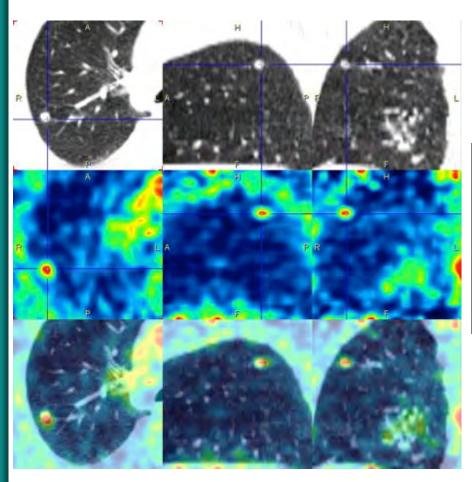
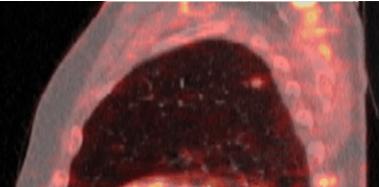


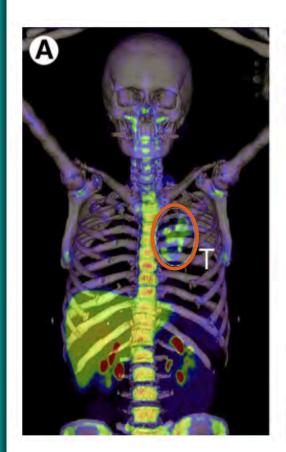
Image-guided therapy: Targeting the tumour?



In real life...



Adaptive Radiation Therapy: Response assessment during RT





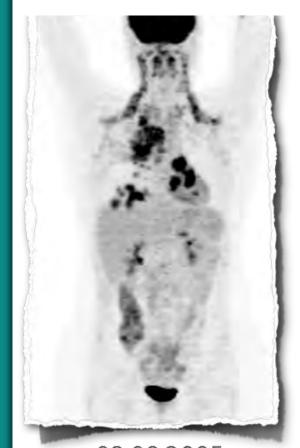


¹⁸F-FLT

Mac Manus (Sem Nucl Med 2012)



Multimodale Therapy



09.08.2005 Initial Staging



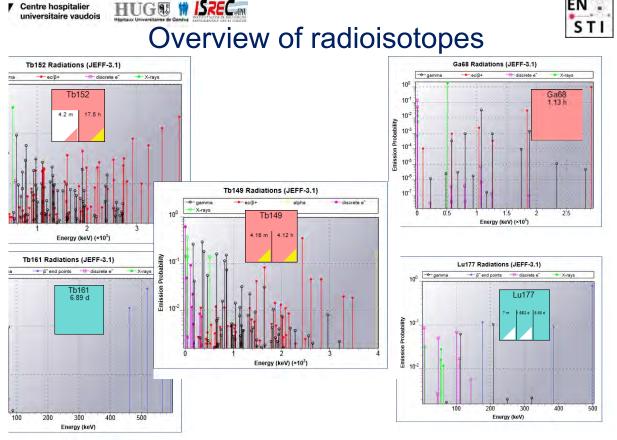
20.10.2005 After Chemotherapy



21.12.2005 after Radiation Therapy



New radioisotopes (e.g. Terbium)





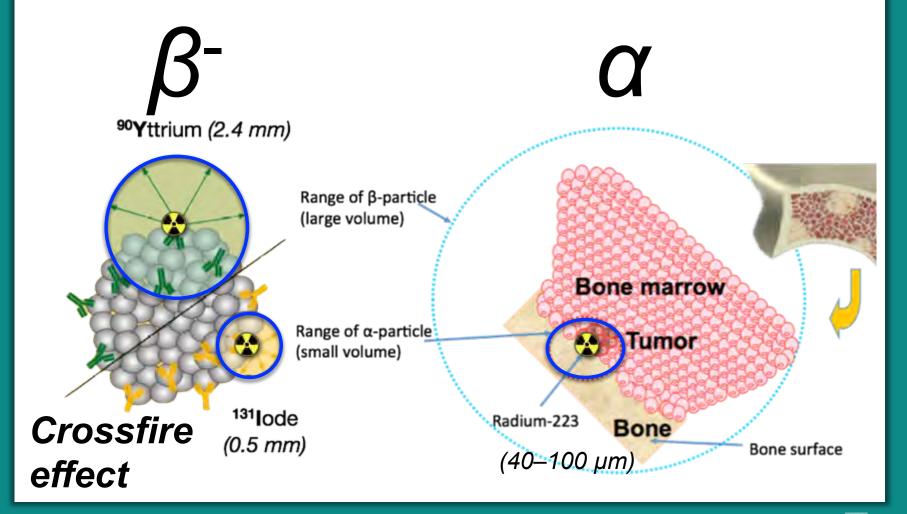


Centre hospitalier

Buchegger, Stora et al., ICTR-PHE 2014



2. Therapy with radisotopes (theranostics) – which scale?





Translational hybrid imaging







New instrumentation



