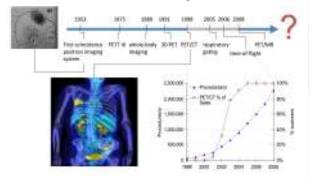
Quantitative FDG-PET/CT:

Ouantitative | Alliance

Accelerating development of new therapies and improving assessment of response

PET-CT: A Proud History of Innovation



What's next? Quantitative PET to Characterize Disease Hallmarks



Biomarkers To Quantify Hallmarks of Cancer



- New molecular diagnostic agents
- New uses for existing agents

Assist with increasing number of oncology targeted pharmaceuticals



Quantitation Improves Characterization of Disease Hallmarks

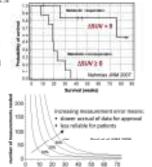
Improve individual patient care

- · Cinically proven detection and longitudinal quantitation for follow-
- Moves imaging from diagnostics and staging to therapy assessment

Accelerate adoption of new molecular diagnostics

Make clinical trials of new therapies more effective

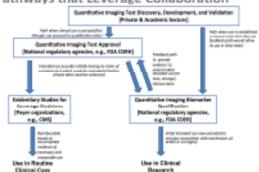
All tied to quantitative accuracy



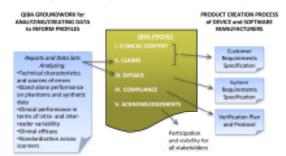
QIBA FDG-PET/CT TC Projects

TOIL	H	Stelan
Meta-analysis to analyse the robustness of PDS SUP changes as a response marker, post and during systemic and multimodality therapy, for various types of salid extraorebesi tursors.	D. Harkston, II of the Natherlands	Completed
GEGA FIDG-PCT/CT Digital Reference Object Project	P. Kinshan, U of Washington	Completed
Analysis of SANC 13 Trial PET Data to PERCST with Unitage to Clinical Outcomes	E. Wahl, Johns Ropkins	Cleve to completion
Personnel Support for FDS-PET Profile Completion	E. Perkman, PAS-S. P. Sinehan, U of Westington	Completed
Evaluation of the Variability in Decembration of Guandtative HET Panameters of Treetment Regionse Acress Performance Sites and Readers	R. Walfi, Hopkins	Noods readon
Evaluation of PSG PET SUV Covariates, Metrics and Sequence Citizata	J. Yap, Dana Farber	in Progress
Integration of Sciencepolitic Seviens of 2 S Groupings of Clinical Trial Outsets (This includes the current Hookstra proposal) Will utilize the PERCET analysis.	D. Haefraha, Netherlands	in Progress
Supported by NIB-III contract HIISA269283080059C		

QIBA is an Active Sponsor in Regulatory Pathways that Leverage Collaboration



The QIBA Profile Provides Guidance for all aspects of quantitative FDG-PET/CT



What we've done and how you can participate

✓ Collection of recommendations for quantitative FDG-PET ✓ Presentation (joint with FNIH) to FDA Completed ✓ NIBIB grant application √ Year 1 research targets Collaboration with UPICT on Protocols Bi-weekly telephone conferences · Annual QIBA meetings and updates at RSNA and SNM In progress · Working visits with vendors · Profile development Year 2 research targets

TBD

o Clinical use of Profiles

o Profile testing and approval o Implementation of Profiles by QIBA and vendors)

More information at www.rsna.org/research/qiba/