

A02-3

Function Integrated Diagnostic Assistance based on **Multidisciplinary Computational Anatomy**

- Plan of Five Years and Progress Overview FY2014 -

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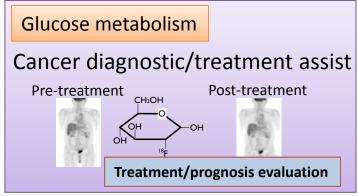


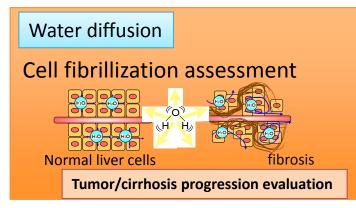


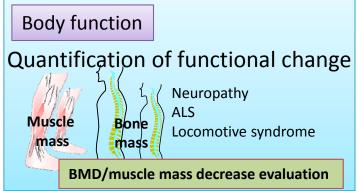


as A02-3 is to investigate image analysis methods based on the anatomic and functional information fusion and to establish a methodology of computer-aided diagnostic (CAD) systems for organ and tissue functions. Specifically, our plan is to investigate on three major topics as follows:



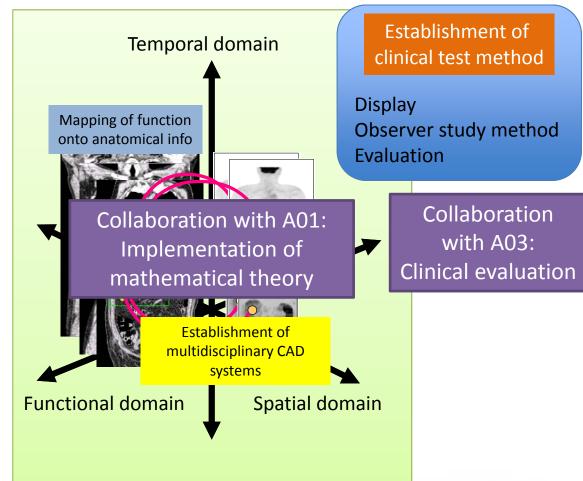






Collaboration within A02

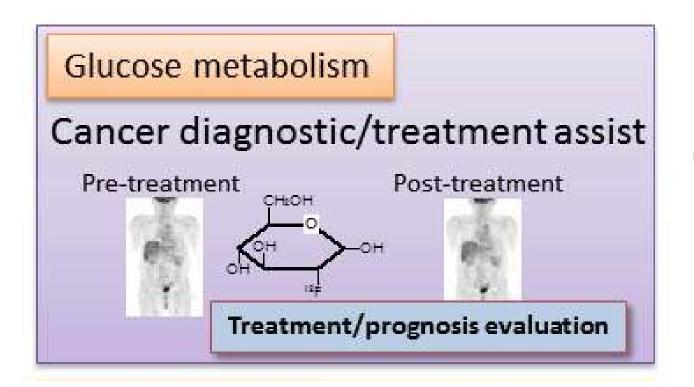
Establishment of body standardization method and its clinical application







1 CAD systems for functional imaging using RI



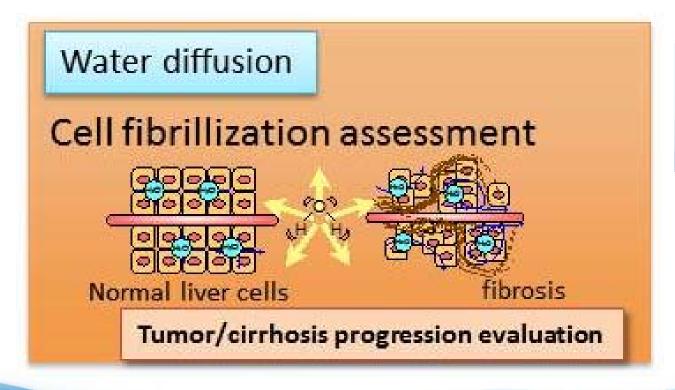


PET/CT
SPECT/CT





2 CAD systems for water molecular diffusion function



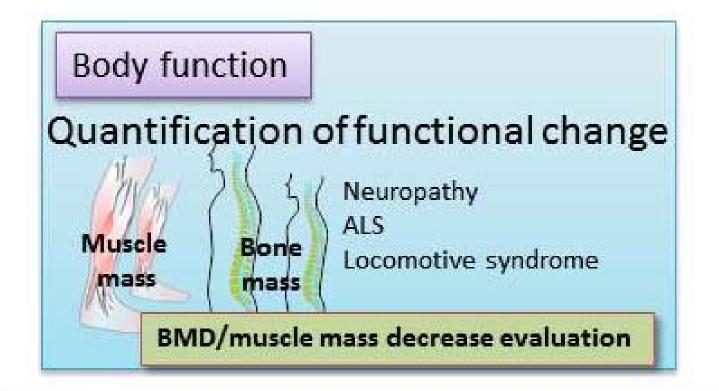


MR/ Whole-body DWI





3 CAD systems for muscular function





US

