



DUKE UNIVERSITY MEDICAL CENTER

Department of Radiology

**Statement of Support for Quantitative Imaging Biomarkers Alliance (QIBA) Profiles
(January 2017)**

A quantitative imaging biomarker (QIB) is an objectively measured characteristic derived from an *in vivo* image as an indicator of normal biological processes, pathogenic processes or a response to a therapeutic intervention. Although quantitative imaging biomarkers (QIBs) have great potential both as objective endpoints in cancer clinical trials and to improve productivity and quality of care in the clinic, the development and implementation of QIBs has been hampered by lack of reproducibility in technical performance. The goal of QIBA is to improve the reproducibility of quantitative imaging biomarkers across devices, patients and time.

We have implemented and plan to adopt and implement QIBA Profiles to standardize QIBs in cancer research and cancer care. We agree that use of these standardized quantitative imaging QIBA Profiles will contribute significantly to improvements in the quality of cancer care, as well as substantially aiding in the development of novel therapeutics in oncology.

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