

QIBA-fMRI Workflow Poll

The QIBA-fMRI Committee of the Quantitative Imaging Biomarkers Alliance (QIBA) is gathering information about clinical workflow for functional MRI. We would appreciate your participation in this brief poll.



Note: If choosing *Other* in any answer, please provide details as appropriate.

Who is doing fMRI

- 1) Clinical cases performed per year at your facility involving brain mapping with fMRI _____
- 2) Most fMRI studies are ordered by (provide approximate percentages):
Radiologist _____
Neurologist _____ Neurosurgeon _____ Psychologist _____ Other _____
- 3) Most fMRIs are ordered for (provide approximate percentages):
Tumor _____ Epilepsy _____ AVM _____ Neurodev. surg. _____ Other _____
- 4) Most fMRI patient training is performed by (provide approximate percentages):
Technologist _____ Psychologist _____ Neuroradiologist _____ Other _____
- 5) Most fMRI post-processing is performed by (provide approximate percentages):
Technologist _____ Physicist _____ Neuroradiologist _____ Other _____

How is fMRI used

- 6) Provide the approximate percentage of cases each of the following paradigms are performed:
Motor _____ Language _____ Vision _____ Memory/Cognitive _____ Other _____
- 7) Provide the approximate **number** of unique paradigms used per case *when* the following are performed:
Motor _____ Language _____ Vision _____ Memory _____ Other _____
- 8) What software is used in your fMRI workflow?
Acquisition _____ Post-processing _____ Clinical review _____
- 9) Indicate how often the following methods are used in your fMRI workflow (percentages):
GLM _____ Correlation _____ Motion correction _____ Maps: r _____ t _____ F _____ p _____
Clustering _____ Smoothing: temporal _____ spatial _____ Time series editing _____
- 10) Indicate how often the following scans are ordered along with fMRI (percentages):
NVU assay _____ type, e.g. breath-hold, CO₂ _____
DTI _____ Tractography _____ Perfusion: ASL _____ DSC _____ Other _____
- 11) Indicate the disposition of fMRI clinical analyses (percentages):
PACS export _____ Surg. Nav. Export _____ CD/DVD file transfer _____ Other _____

Terms used: AVM: arterio-venous malformation; NVU: neurovascular uncoupling; ASL: arterial spin-labeled MR imaging; DSC: dynamic susceptibility contrast MR imaging (in conjunction with gadolinium agent)

Who are you?

Name _____ Facility _____

Thank you!

Yes, I would be willing to contribute to a detailed profile of fMRI in the clinical workflow! _____

Contact me at (email) _____ or phone _____

Please return this completed poll where you received it, or the conference help desk.

About QIBA

The QIBA Mission: Improve the value and practicality of quantitative imaging biomarkers by reducing variability across devices, patients and time.

The Quantitative Imaging Biomarkers Alliance (QIBA) was organized by RSNA in 2007 to unite researchers, healthcare professionals, and industry stakeholders in the advancement of quantitative imaging and the use of biomarkers in clinical trials and practice.

Quantitative imaging is the acquisition, extraction and characterization of relevant quantifiable features from medical images for use in research and patient care. Standardizing the use of imaging biomarkers in clinical trials will reduce the variance inherent across different hardware and software platforms. RSNA views this work as a step toward an ultimate goal of enhancing the use of quantitative imaging methods in clinical practice.

QIBA Resources

QIBA meeting summaries, key criteria for identifying biomarker opportunities, the *QIBA Quarterly* e-newsletter and other documents are available on the QIBA website <http://www.rsna.org/Research/QIBA> and wiki <http://qibawiki.rsna.org/>

Volunteers for the QIBA Committees are welcome; contact us at: qiba@rsna.org