

Apr-14-2023

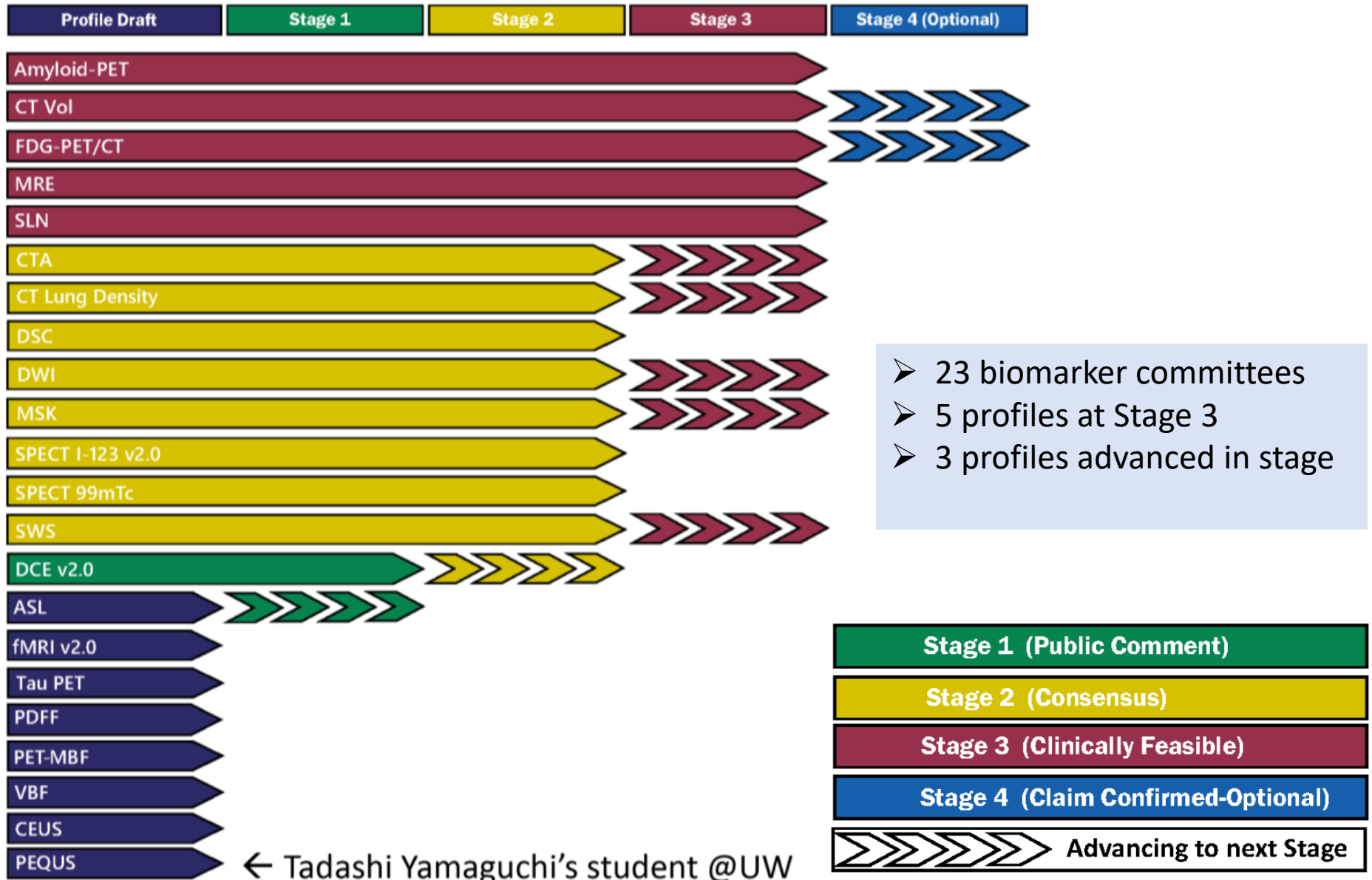
The 82th Annual Meeting of JRS

Quantitative Imaging Biomarker Alliance (QIBA) Progress Report 2023

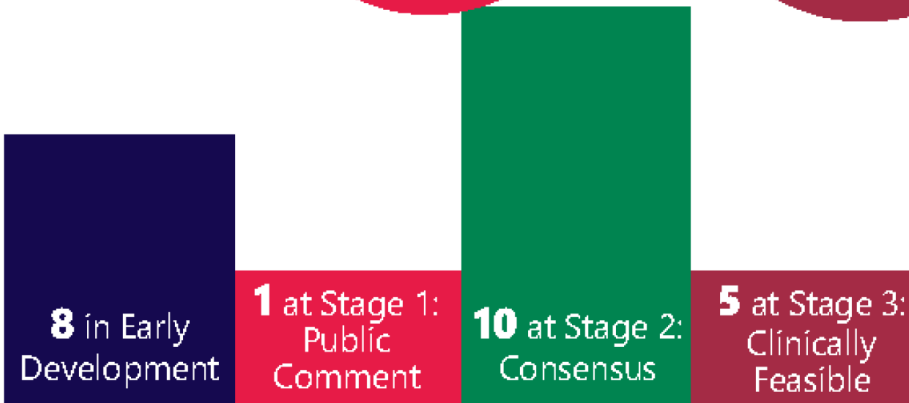
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- The author has no conflict of interest to disclose with respect to this presentation.

QIBA Accomplishments in 2022



QIBA Highlights in 2022



PROFILE STATUS

PARTICIPANTS

There are nearly **300** active participants in QIBA committees representing numerous stakeholder groups:

• Physicists/academic researchers	126
• Clinicians	69
• Equipment	46
• Government	14 (FDA, NIH, NIST)
• Societies	14
• Informatics	12
• Pharma	4
• Statisticians/Technologists	3
• Contract Research Organizations	2

QIBA Partnering with Professional Organizations

QIBA partners with professional organizations for administrative support of some biomarker committees

- AIUM (since 2015) Ultrasound Volume Flow BC; PEQUS BC
- EIBALL (since 2017) MRI ASL
- ISMRM (since 2022) MRI PDFF
- SNMMI (PSMA tracers (18F and 68Ga))

Existing biomarker committees, profiles, the new streamlined profile template, and the checklist vetting criteria should speed the development of new Profiles that are similar to existing Profiles (amyloid versus tau PET)

J-QIBA Official Members 2023

Chair Aoki S and Tateishi U

CT (4) Tomiyama N, Kobayashi Y, Ohno Y, Yoshimura N

MRI (5) Yamada K, Harada M, Haradome H, Obata T, Kuroda K

fMRI (1) **Yoshiura K**

MRE (4) **Yoshimitsu K, Suga K**, et al

DWI/DTI (1) Sakai K

QSM (1) Hirai T

Perfusion (1) Kudo K

MR relaxometry (5) Hagiwara A, Fujita S

Breast MR (2) **Iima M**, Kataoka M

NM FDG-PET(5) Tatsumi M, Matsumoto K, Akamatsu G, Daisaki H, Magota K

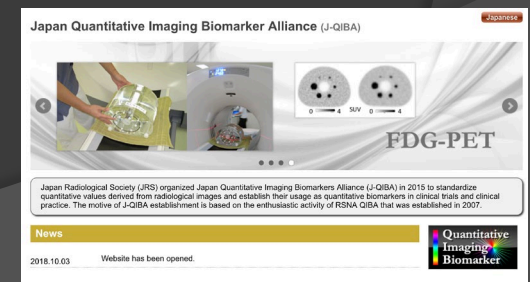
Amyloid-PET (2) Kaneta T

SPECT (1) Nishiyama Y

US (2) Kishimoto R, Yamaguchi T

MSK (2) **Aoki T**, Inaoka T

J-MID (1) **Kumamaru K**



<http://www.radiology.jp/j-qiba/>

PET Facility Certification System

since2020

Facility Certification (I)

Clinical study, Single

**Phantom Test Results
Performed by Sites
and Survey Document**

Evaluation committee

Facility Certification (II)

Clinical trial, Multicenter

FC(I) + Visit Examination

Audit Committee

JSNMT

- 1) Evaluation committee
- 2) Audit committee
- 3) Assist Phantom study

cooperation

PET FC Committee

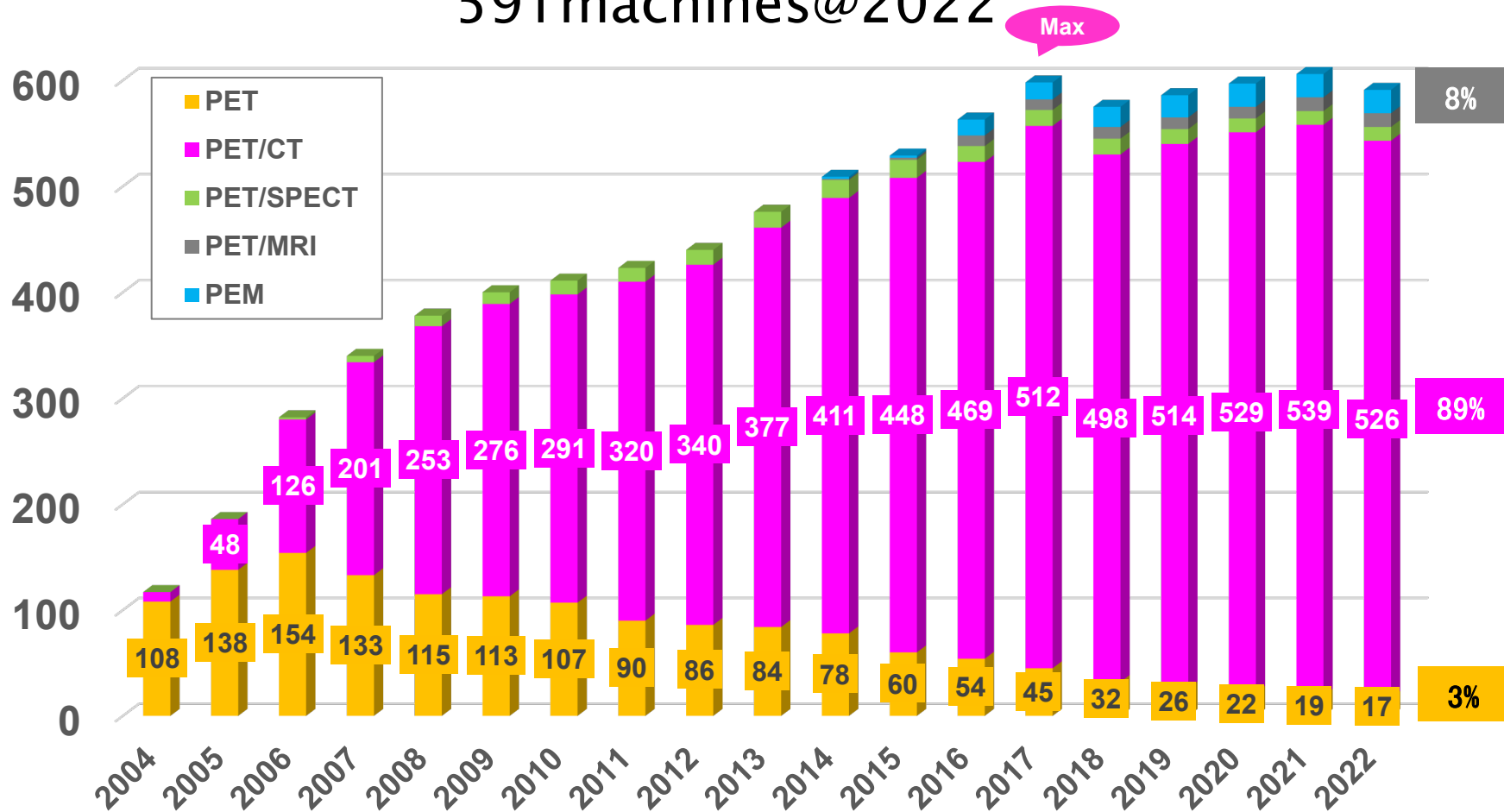
JSNM

Board of directors

J-QIBA

The Number of Domestic PET

591 machines@2022



	Facility Certification (I)	Facility Certification (II)
Amyloid PET	34 (5.7%)	17 (2.9%)
FDG whole-body	0	2 (0.03%)
FDG brain	0	6 (1.0%)



New standards for phantom image quality and SUV harmonization range for multicenter oncology PET studies

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