



Medical Imaging Providing Seamless Imaging Solutions

Insight - Innovation - Performance

The use of medical imaging as a component of clinical trial endpoints is proving to be ever more valuable in clinical development by enabling improved decision making; increasing efficiency and reducing trial costs.

ICON's Medical Imaging service uses the broad insight of our experts, matched with industry leading innovation to deliver impact in performance for pharmaceutical, biotech and medical device companies across the globe. Our Medical Imaging professionals can provide strategic advice on the design, development and validation of trial protocols to include imaging and deliver the data you need to succeed.

Integrated Imaging Solutions

- **Medical Imaging Endpoints**
- **Quantitative Image Analysis**
Studies that require complex quantitative image analysis are performed by trained ICON Medical Imaging professionals – technologists, imaging scientists, neuro-radiologists, cardiologists
 - Echocardiography – LVEF, ventricular volume
 - CNS – hippocampal volume, MS lesions
- **Experienced in a wide range of Imaging**
CT, Endoscopy, MRI, SPECT/CT, PET/CT, PET/MR, Photography, Ultrasound / Echo, X-ray
- **Therapeutic Expertise**
Cardiovascular, CNS, GI, Metabolic, Musculoskeletal, Oncology, Pulmonary, Diagnostic Agents, Medical Devices

Trusted Professionals

We have more than 200 registered, certified professionals – physicians, scientists and technologists – who all have hands-on clinical imaging experience.

>700 trials in the last 5 years

- Assessing clinical trial endpoints for Phase I-IV trials
- Imaging for efficacy and/or safety: 1°, 2°, exploratory endpoints
- Support for early-phase decision-making
- Statistical support for validation of novel scales and methods
- Biostatistics imaging expertise offering numerous modelling and qualification options



52%

of clinical trials
that use imaging
endpoints use ICON
Medical Imaging

Insight

Superior Advice from Pioneering Experts

The ICON Medical Imaging leadership team has worked together for over 20 years developing leading-edge, core laboratory technologies, advising on FDA Guidance Document input and delivering over 25 FDA approvals. We have the most experienced team in the industry.

Thought Leadership

Our experts go beyond providing advice to our customers; they are active in industry discussions, engaging with peers, meeting with regulatory bodies and associations to campaign for standardisation and shape the future of medical imaging in clinical development through innovation.

Co-Chair: FDA Biomarker Qualification Statistical Expert Team

RSNA Quantitative Imaging Biomarkers Alliance (QIBA) Steering Committee

Co-Chair: QIBA Volumetric CT Technical Committee

Chair: QIBA CT Committee

Chair: QIBA Metrology Committee

DIA / PhRMA / FDA Charter Working Group

MCC Imaging Performance Metrics Steering Committee

“Most Experienced
Team in the Industry”*



Innovation

Proprietary flexible technologies for collecting, managing and processing image data to support all aspects of Imaging in clinical trials

- Robust 5th generation imaging technology infrastructure
- Expanded tumor volumetric expertise and automated tools that allow readers to manipulate ROIs
- Leading-edge technology platforms
 - MIRA™, SQUARE™, PIER™
- Secure on-site and off-site data review systems/methodologies
 - Flexible and time-sensitive review processes
 - Practical solutions for rapid data review
 - Adherence to study timelines
 - Global accessibility

Innovation For Impact

- **24/7 real-time secure access for sponsor**
 - 100% of data tracked and managed within MIRA™
 - Study reports, image data, project tracking, etc
- **Reduction in delivery time from average 30 days to 10 days or less**
 - 100% of data transferred via secure web-based tools
- **Reduction in query resolution from an average of 45 days to 15 or less**
 - 100% of data queries resolved via secure web-based tools (SQUARE)

25-30%
Reduction in
Start-Up time



Performance

Bringing you the best of both worlds
Industry leading specialist provider plus
the benefits of a global CRO

World class project management – Highly trained project management professionals provide oversight across all services and studies so that customers benefit from a more integrated approach.

More access to Innovation – Customers have access to ICON's full innovation portfolio including Firecrest, the industry-leading, award winning, online site training and study communications platform, that can support more effective management of investigators, site teams and independent reviewers.

Global access – There are no borders to ICON's Medical Imaging service. We leverage our international network to deliver the service regardless of location. Global standard processes used enable us to provide consistent, reproducible quality data.

Wide range of experience – ICON has 25 years' experience in clinical development services. Our customers benefit from the experience of a wide range of experts in all phases, indications and services.

Network of Academic Partnerships and Read Networks

Our experts have a comprehensive network of academic institutions and read networks that we can work with to arrange the most appropriate independent image review.



**Universität
Zürich**
UZH



NewYork-Presbyterian
The University Hospital of Columbia and Cornell



TC3



JOHNS HOPKINS
SCHOOL of MEDICINE



**MASSACHUSETTS
GENERAL HOSPITAL**



**IMAGING
RHEUMATOLOGY
INTERNATIONAL**

RadMD



SPIRE SCIENCES
Accelerating Imaging for Clinical Research



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