



**IMAGING ENDPOINTS**  
CONNECTING IMAGING TO THE CURE

## **CARDIOVASCULAR IMAGING**

### **BETTER ENDPOINTS THROUGH SUPERIOR STANDARDIZATION AND ANALYSIS**

Cardiovascular endpoints are critical for proving safety and efficacy in a variety of clinical trials. While ECG is essential for measuring prolonged QT in cardiac safety assessments, additional cardiovascular imaging modalities can also help to detect cardiotoxicity. In efficacy trials, imaging endpoints are fundamental to determining the success of multiple types of new pharmaceuticals and interventional medical devices.

With so much on the line, accurate, reliable and timely data couldn't be more important. We ensure the highest quality of imaging by standardizing acquisitions among clinical sites and by providing expert analysis from experienced radiologists who are specialty-trained in cardiovascular imaging.

We have access to some of the best and most sophisticated image analysis tools for cardiovascular research. Through our suite of 3D reconstruction tools, advanced post-processing techniques, and multiple quantitative measurement tools, we can deliver the precise results you need to ensure the accuracy of your trial. Whether you are investigating a new pharmaceutical agent or vascular device, we can design the imaging modalities that will accelerate your success.

### **OUR EXPERTISE**

We have a team of specialists in cardiac imaging on staff, including cardiac/thoracic, vascular and interventional radiologists, each one available to assist in consultations and reading services for cardiac imaging in clinical trials. Additionally, we have access to a panel of expert cardiologists with ample experience in clinical research who are also willing to assist with your trial's needs, whether in a consultative capacity, or in analyzing cardiac safety data for your study.

### **ASSESSMENTS**

#### **Qualitative Measures**

- Cardiac MRI myocardial perfusion
- PET perfusion
- Coronary artery analysis for coronary artery disease & anomalous vessels
- Pulmonary venous mapping
- Calcium score analysis
- 3D reconstruction images of vessels
- Valve function



## CARDIOVASCULAR IMAGING (Cont.)

### Quantitative

- IMT
- Minimal lumen diameter
- % stenosis
- Lesion length
- Plaque volume
- Plaque color coding
- Ejection fraction
- Qp/Qs

### MODALITIES

- Cardiac MRI, coronary MR angiography
- Calcium scoring, coronary CT angiography, CT aortography
- Nuclear medicine – SPECT, MUGA
- PET/CT – FDG for viability, 82-Rb for perfusion
- Ultrasound: venous, Doppler
- Echocardiography
- Angiography – DSA, QCA, venographyCT – qCT

### TAKE A LOOK AT IMAGING ENDPOINTS

No other imaging core lab can match the experience and expertise of Imaging Endpoints. Contact us to find out all the ways we can accelerate your clinical trial.