CLINICAL ATTRIBUTES OF N-13 AMMONIA

SUPERIOR IMAGE QUALITY

While Cardiac PET has been shown to be superior to SPECT, not all tracers are equal. Considered an optimal tracer for myocardial perfusion imaging, N-13 Ammonia provides:

- High spatial and contrast resolution images
- High first-pass extraction and retention in the myocardium
- Consistently high-quality diagnostic studies regardless of patient size or gender

IMPROVED DIAGNOSTIC ACCURACY

N-13 Ammonia affords high sensitivity and overall accuracy for detecting CAD. The addition of coronary artery calcium score (CACS) can improve CAD risk stratification.

FEW CORRECTION FACTORS WITH MBF

N-13 Ammonia has more reliable quantification, particularly at higher flows (e.g. stress conditions) resulting in smaller correction factors.

BETTER EXTRACTION FRACTION AND RETENTION

N-13- ammonia extraction is close to 100% at rest and stress, (0.95 – 0.99) making it an excellent myocardial blood flow tracer. In addition, it also has the highest retention of the currently available tracers (0.50 – 0.90).