



HeartFlow®



Revolutionizing
Precision
Heart Care



Ingenuity Applied



HeartFlow brings together human ingenuity and advanced technology to help combat heart disease, the leading cause of death.

HeartFlow's non-invasive, personalized cardiac test provides unprecedented visualization of each patient's coronary arteries, enabling physicians to create more effective treatment plans for their patients.



Superior Quality



By combining review from trained analysts, who have over 500,000 hours of collective experience, with AI-powered algorithms trained on millions of CT images, HeartFlow is bringing a new level of precision to non-invasive detection of heart disease.

- » **2x more likely to identify disease than other tests¹**
- » **Low false negative and false positive rates reported in real-world clinical use²**
- » **“Core Lab” quality control monitoring program with over 10,000 measurements²**



Clinical Excellence



Since inception, HeartFlow has been committed to producing comprehensive clinical evidence supporting the diagnostic accuracy, safety, efficacy, cost-effectiveness, and utility of its product portfolio.

With more than 425 publications in prominent peer-reviewed medical journals including *JAMA*, *JACC*, *Circulation*, *the American Journal of Cardiology*, and *Heart*, the HeartFlow technology has been proven across diverse patient populations. These clinical activities have included a series of large, multi-center global trials.

ROBUST EVIDENCE

- » 16 company-sponsored clinical trials and registries addressing accuracy and outcomes
- » 100+ investigator-initiated studies
- » 425+ peer-reviewed publications
- » Demonstrated safety with long-term data out to 5 years
- » Studied in > 10,000 patients

Exceptional Clinical Results



Time and time again, HeartFlow demonstrates unmatched non-invasive diagnostic performance and accuracy, alongside cost-effectiveness and efficacy.



83% of avoidable coronary angiograms cancelled⁴



40% reduction in layered testing⁵



Higher diagnostic accuracy than other common non-invasive cardiac tests³



36% improvement in revascularization efficiency⁵



Dominates stress testing and CTA alone in cost-effectiveness analysis, better outcomes at lower costs⁶



\$2.7B annual cost savings delivered to CMS through reduction of invasive diagnostic procedures⁴

Areas of Research



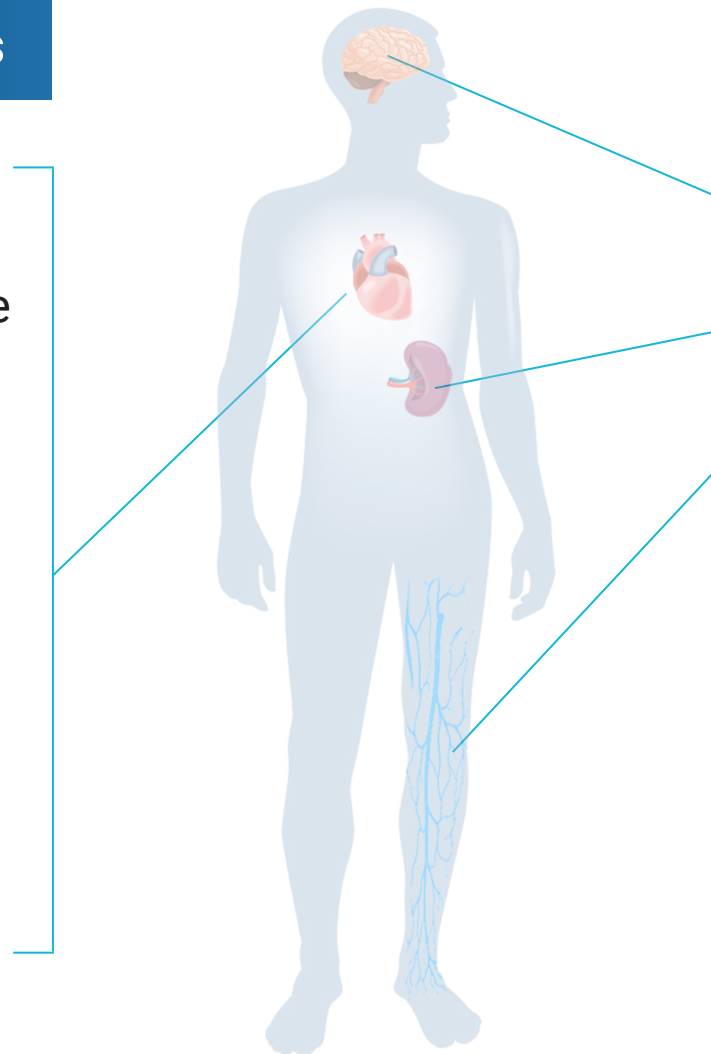
HeartFlow is committed to ongoing research and is interested in exploring the use of FFR_{CT} in these populations:

Coronary Applications

- Pre-TAVR
- Acute Coronary Syndrome (ACS) - NSTEMI
- Heart Transplant
- Emergency Department
- Perioperative Cardiac Evaluation
- Preventative Screening
- Pediatrics

Other Applications

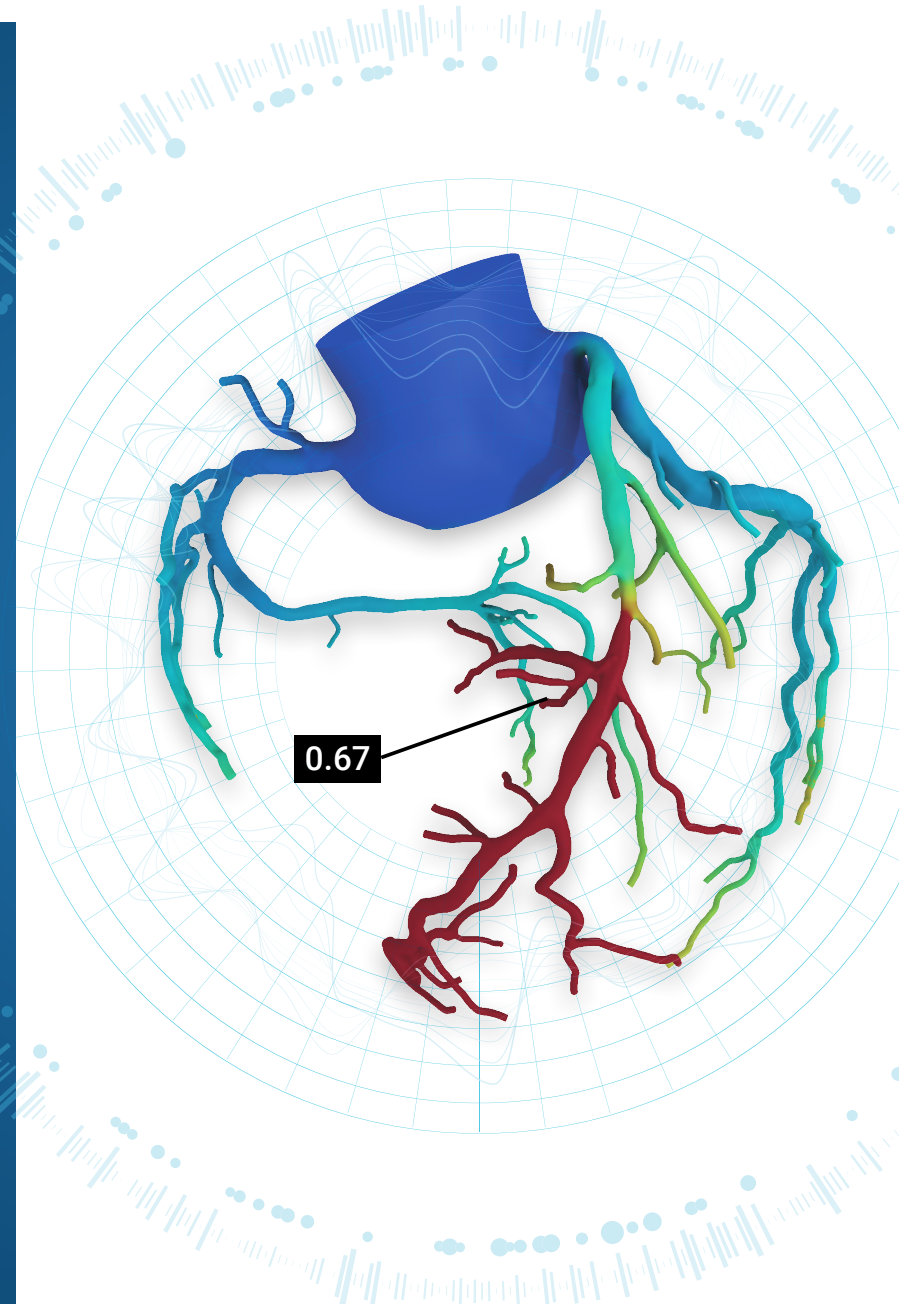
- Neurovascular
- Renovascular
- PAD



Best-in-class Technology



- » Patient-specific Interactive 3D Model
- » Best-in-class medical image analysis
- » Advanced deep learning (AI) methodology to precisely extract coronary anatomy
- » AI trained on millions of CT images carefully annotated by expert analysts
- » Physics-based computational models assess pressure and flow changes in coronary arteries
- » HIPAA and SOC 2 Type II compliant, HITRUST certified
- » Secure cloud infrastructure, including encrypted transmission of image data and protected health information (PHI)
- » Comprehensive IP portfolio of > 400 issued and allowed patents worldwide, covering innovations in cardiovascular medicine, physiology and bioengineering



Unparalleled Innovation

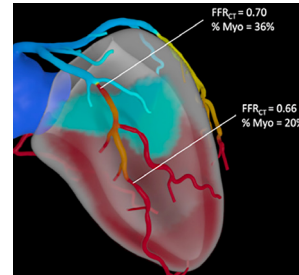
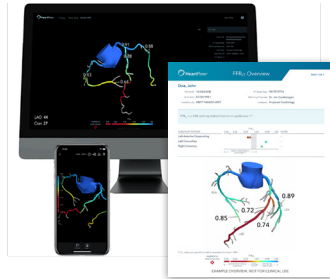


As CAD diagnosis increasingly moves to a CTA-led pathway, HeartFlow is developing a comprehensive, integrated solution to help physicians deliver precise, personalized diagnoses and optimize treatment for their patients.

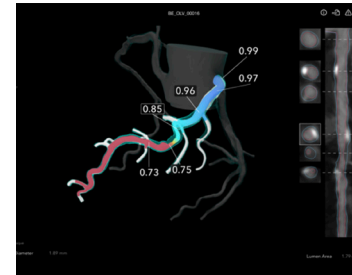
Anatomic Stenosis*



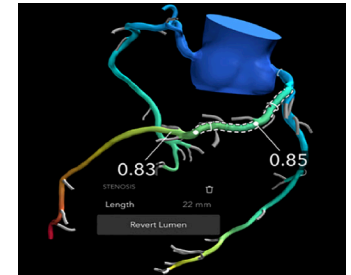
Physiology & Myocardial Blood Flow^



Plaque*



Intervention Planning



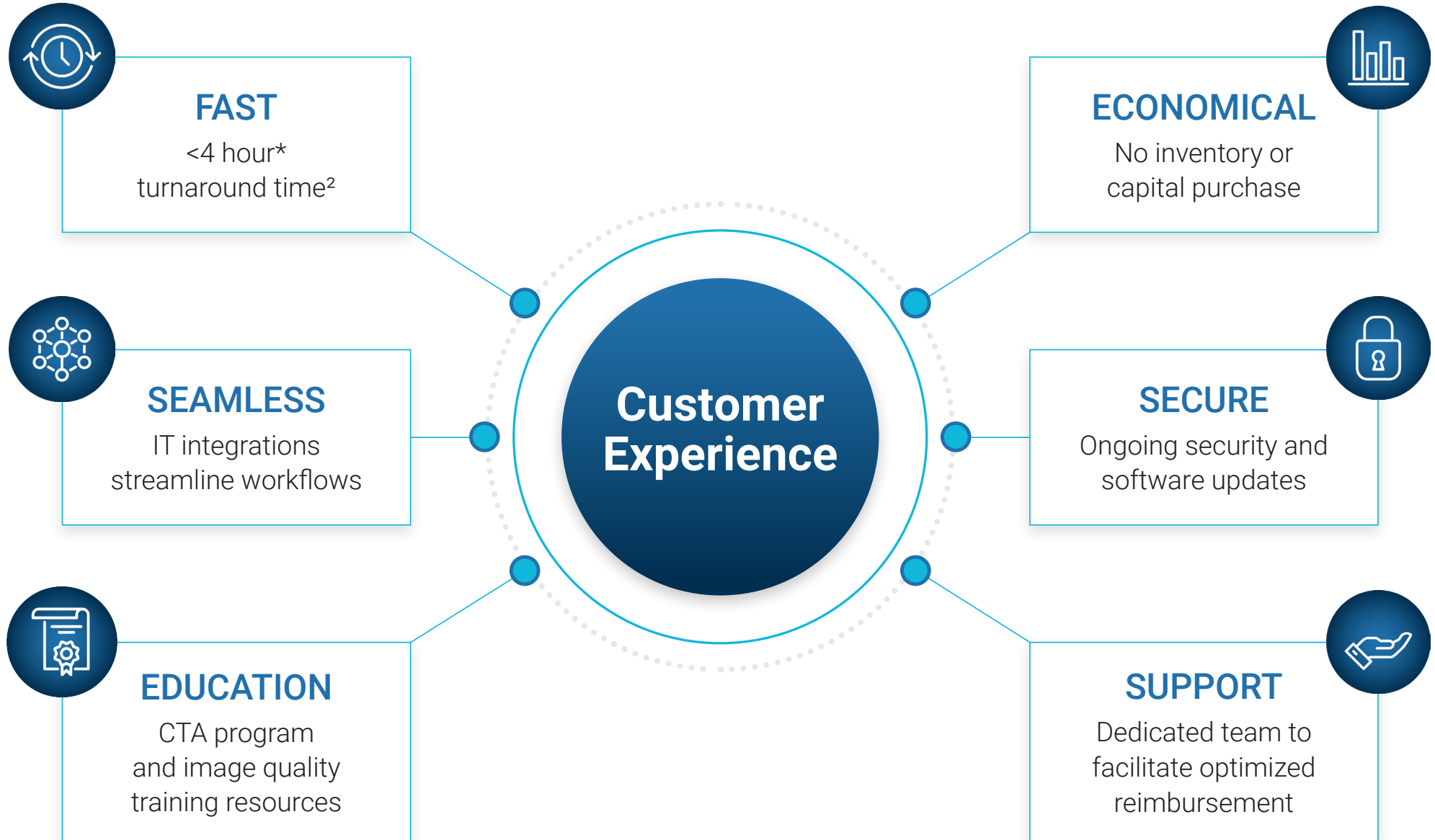
Diagnosis

Treatment Optimization

Risk and Prognosis

* Currently in development and not available for clinical use. ^ Images not representative of actual product.

Outstanding Customer Experience



*Median turnaround time. March 2021

About HeartFlow



- » Secured regulatory clearance to commercialize first-of-kind, AI-enabled, non-invasive diagnostic simulation of FFR_{CT}
(2011: CE Mark, 2014: US FDA De Novo Clearance, 2016: Japan PMDA approval)
- » Established Medicare New Technology Ambulatory Payment Classification to reimburse hospitals, effective Jan 1, 2018



- » 96% of people in the US have insurance coverage for HeartFlow
- » 100,000+ patients have received a HeartFlow Analysis
- » Adopted by more than 400 hospitals worldwide, including 80% of the top 50 heart hospitals in the US⁷

REFERENCES

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4. Douglas, et al. J Am Coll Cardiol 2016.
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6. Karády, et al. JAMA Network Open 2020.
7. Top 50 Heart Hospitals as designated by US News and World Report, 2020-2021.

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