



## Clinical Application:

# Structural Heart Disease

Millions of Americans suffer from cardiovascular disease.

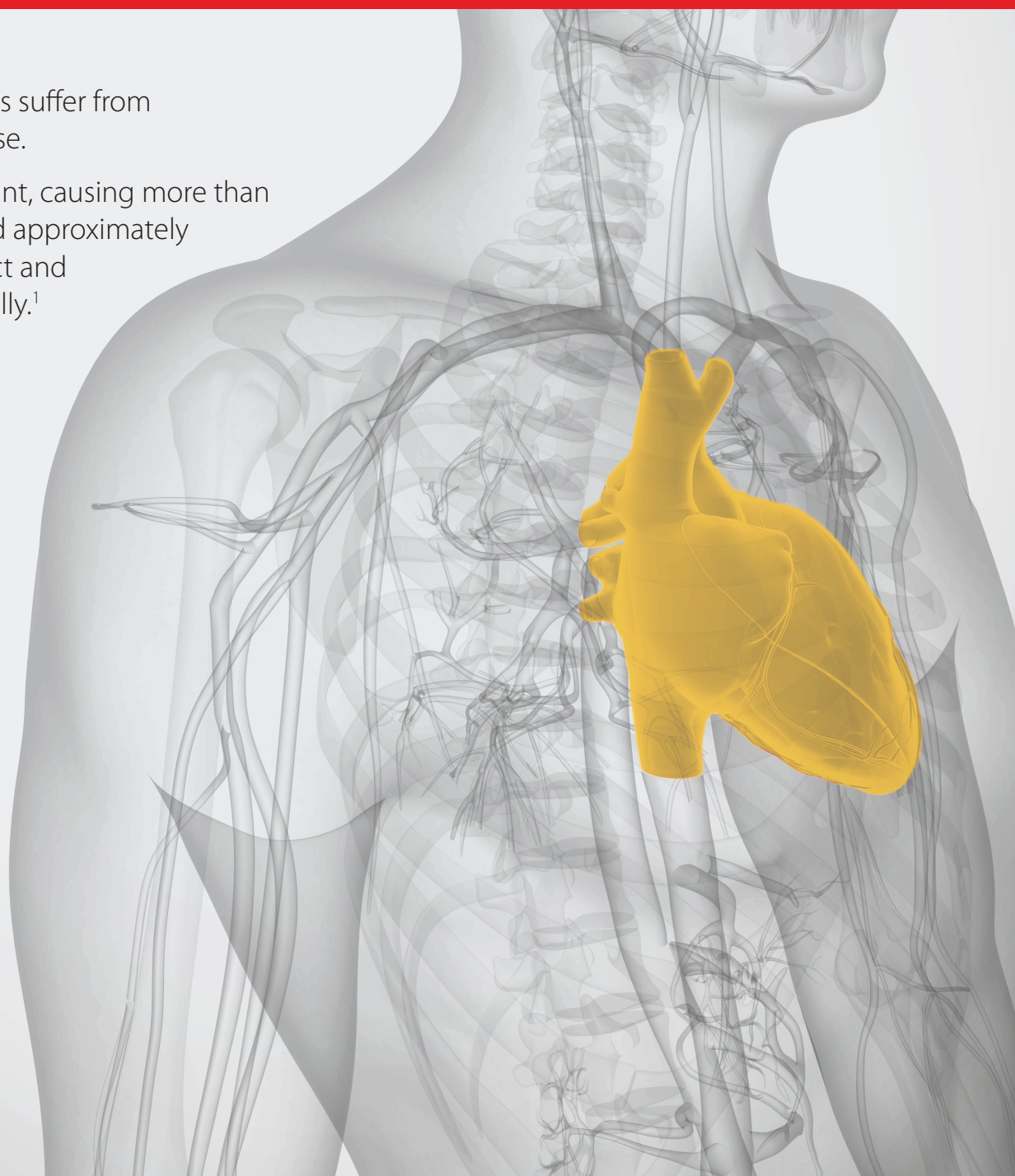
Its impact is significant, causing more than **600,000 deaths** and approximately **\$200 billion** in direct and indirect costs, annually.<sup>1</sup>

Minimally invasive interventional procedures are growing rapidly for the treatment of **structural heart disease**.

**Collaborative Imaging from Canon Medical Systems** provides a complete, integrated solution that helps medical practitioners address structural heart disease at every stage in the process — from evaluation to treatment.

Collaborative Imaging fuses multiple modalities with innovative clinical applications to deliver patient-centered care, every step of the way.

<sup>1</sup> Source: <https://www.cdc.gov/heartdisease/facts.htm>



## SCAN

The best results come from the best planning. Our suite of Collaborative Imaging tools delivers clarity and confidence when diagnosing and planning interventional cardiac treatments.

Collaborative Imaging offers a wide range of intelligent scanning features:

- The **Aquilion ONE / GENESIS Edition and Aquilion Prime SP** deliver comprehensive heart imaging. The GENESIS offers Volumetric Scan Mode to acquire anatomical and functional data from a single heartbeat. Plus, the 3-phase Variable Helical Pitch automatically changes from ECG-gated to non-ECG-gated acquisition during a single helical scan.

Practitioners may scan multiple vascular territories while potentially reducing radiation dose.

- **SUREVOI with CardioLine+** — available on our suite of MR systems — enables automatic determination and placement for 14 cardiac views for improved, intelligent workflow.

Collaborative Imaging delivers intelligent acquisition thanks to innovative imaging modalities and applications.

## DIAGNOSE & TREAT

Collaborative Imaging's multi-modality suite of offerings and intelligent applications delivers patient access and imaging detail for advanced visualization and confidence.

Our diagnostic and treatment features and applications include:

- **Vitre cardiac CT and Transcatheter Aortic Valve Replacement (TAVR) software planning** produce the image detail needed for TAVR planning and follow up, enabling accurate assessments of aortic valves with 3-point aortic valve plane definition and robust valve plane measurements.
- The **Alphenix** family of angiography systems delivers efficiency for interventional cardiac procedures. Designed with maximum flexibility, minimal exposure and optimal image quality in mind, features like the freely-moving C-arm — deliver unprecedented patient access and ease of use.

- As a comprehensive MR tool, **Medis® Suite MR** delivers real-time assessment of valve functionality — offering quantitative analysis of arterial vessel and heart valve data, in addition to T1 mapping without contrast.

- The **Aplio i900** provides real-time, 4D Imaging every step of the way — with easy access to 4D TEE transcatheter procedure guidance. Its advanced quantitative technologies enable fast valve analysis during planning, implantation and post-op evaluation.

## ANALYZE

Canon Medical Systems delivers intelligent analytics to help facilities improve clinical, operational and financial outcomes — and deliver optimal patient-centric care.

With analytics powered by Vitrea Intelligence and CodeX, practices can strive to achieve:

- **Improved** operational outcomes via prescriptive analytics.
- **Reduced** clinical risks.
- **Better** dose efficiency and safety with dose management and reporting across the organization — per equipment and operator.
- **Enhanced** clinical workflows and operations thanks to Patient Cohort Analysis.
- **Standardization** of acquisition protocols across equipment, models and locations.

Experience enhanced clinical operations, thanks to intelligent analytics with Collaborative Imaging.

## SHARE

Our suite of integrated applications securely enables intelligent information sharing so clinicians can:

- **Refresh** relevant clinical information from disparate sources and deliver it to the point of care with Vitrea Connection.
- **Integrate** images into the clinical workflows across devices and networks with Vitrea View Enterprise Viewer.
- **Manage and reduce** risk by addressing system vulnerabilities on all fronts with Canon Medical Systems' Cybersecurity capabilities.

Because of our partnerships with leading enterprise imaging companies, all data — regardless of vendor or system — is seamlessly integrated, optimized and shared across all networks.

Follow us: <https://us.medical.canon>



@CanonMedicalUS



+CanonMedicalUS



Canon Medical Systems USA, Inc.



+CanonMedicalUS

CANON MEDICAL SYSTEMS USA, INC.

<https://us.medical.canon>

2441 Michelle Drive, Tustin CA 92780 | 800.421.1968

©Canon Medical Systems, USA 2019. All rights reserved.  
Design and specifications subject to change without notice.

Aquilion ONE, Aquilion ONE GENESIS, Aquilion, Alphenix, Aplio, and Made for Life are trademarks of Canon Medical Systems Corporation. Vitrea is a trademark of Vital Imaging Inc. Q-Flow is a register trademark of Medis Medical Systems, B.V. Google+ logo and YouTube logo are trademarks of Google Inc., TWITTER, TWEET, RETWEET, and the Twitter logo are trademarks of Twitter Inc., or its affiliates. LinkedIn, the LinkedIn logo, the IN logo and InMail are registered trademarks of LinkedIn Corporation and its affiliates in the United States and/or other countries.

CORPCSS13139US MCAGE0031EB