

ARTRYA™

**MST Financial
Digital Health Forum Webinar**

■ Live Webinar and Q&A
13 June 2023 @ 11:30AM (AEST)

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Global Problem

Coronary Artery Disease is a leading cause of death globally

**126
million**

people with
significant
heart disease¹

**\$400
billion**

heart disease costs
the United States
each year⁴

**Every 13
minutes**

Someone in
Australia dies of a
heart attack³

**One
third**

of deaths globally
are from heart
disease²

**Nine
million**

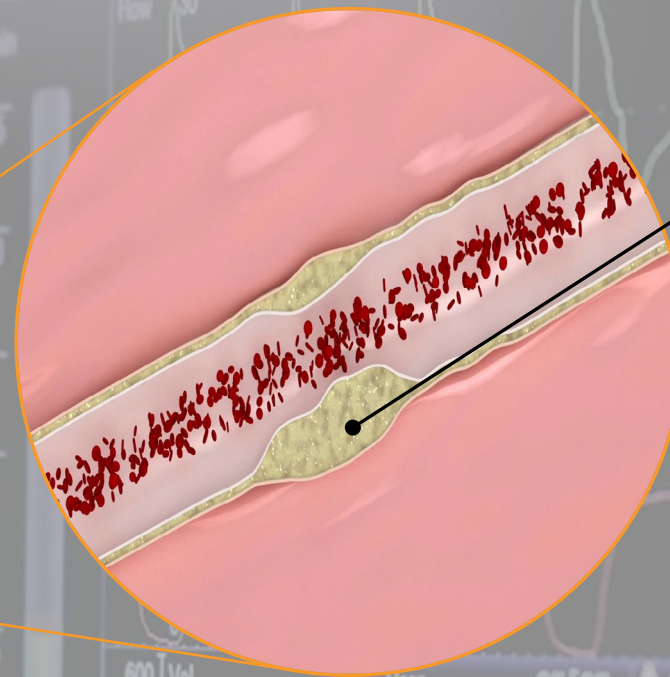
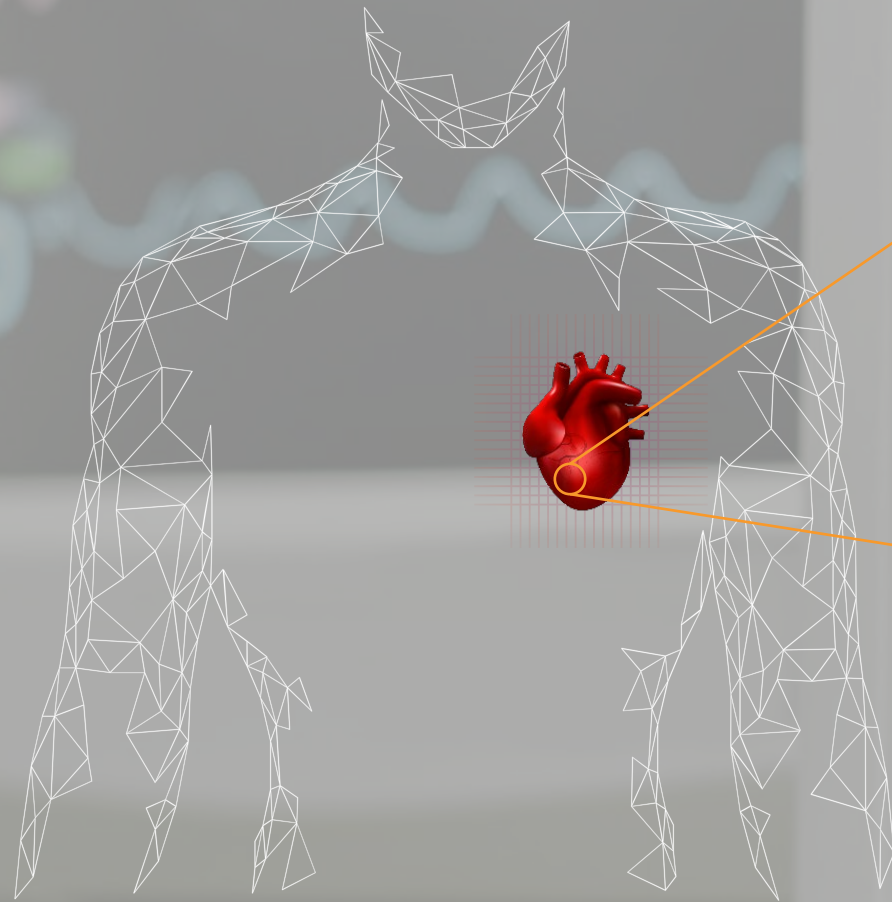
CAD deaths
per year²

1. Global Epidemiology of Ischemic Heart Disease: Results from the Global Burden of Disease Study, Khan et al., Jul 2020
2. [www.who.int/en/news-room/fact-sheets/detail/cardiovascular-diseases-\(cvds\)](http://www.who.int/en/news-room/fact-sheets/detail/cardiovascular-diseases-(cvds))
3. Australian Bureau of Statistics 2019, Causes of Death 2018, cat. no. 3303.0, September
4. www.cdc.gov/policy/polaris/healthtopics/heartdisease/index.html

The culprit: Vulnerable Plaque

Unstable soft plaque that ruptures

4% plaque burden = 5x increased risk of heart attack¹



**BUILD UP
OF PLAQUE**

**VULNERABLE PLAQUE IS DIFFICULT
TO SEE AND RARELY REPORTED.**

Current approaches fail to identify patients at risk of heart attack

Coronary Event

Patient



Chest pain

Non-Invasive Testing

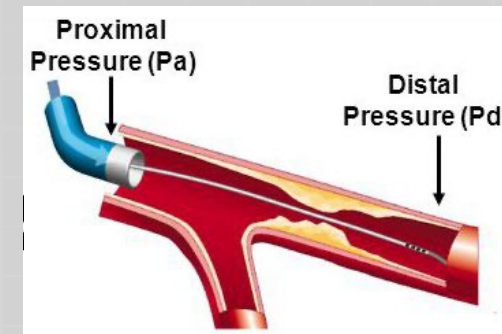
Coronary CT Angiogram



- Current focus on calcium buildup and stenosis (narrowing of arteries) greater than 50%
- In 50% men and 64% women, the first symptom of CAD is death
- 2/3 of those who died had less than 50% stenosis ¹

Invasive Testing

Invasive Blood Flow Test



- Common procedure is invasive test, requiring a wire to be inserted into a patient's leg and directed into the coronary arteries
- Costly and takes up to 24 hours
- Risk of wire puncturing arteries
- 58% of patients receiving this procedure never needed an invasive test ²

Treatment

Statins

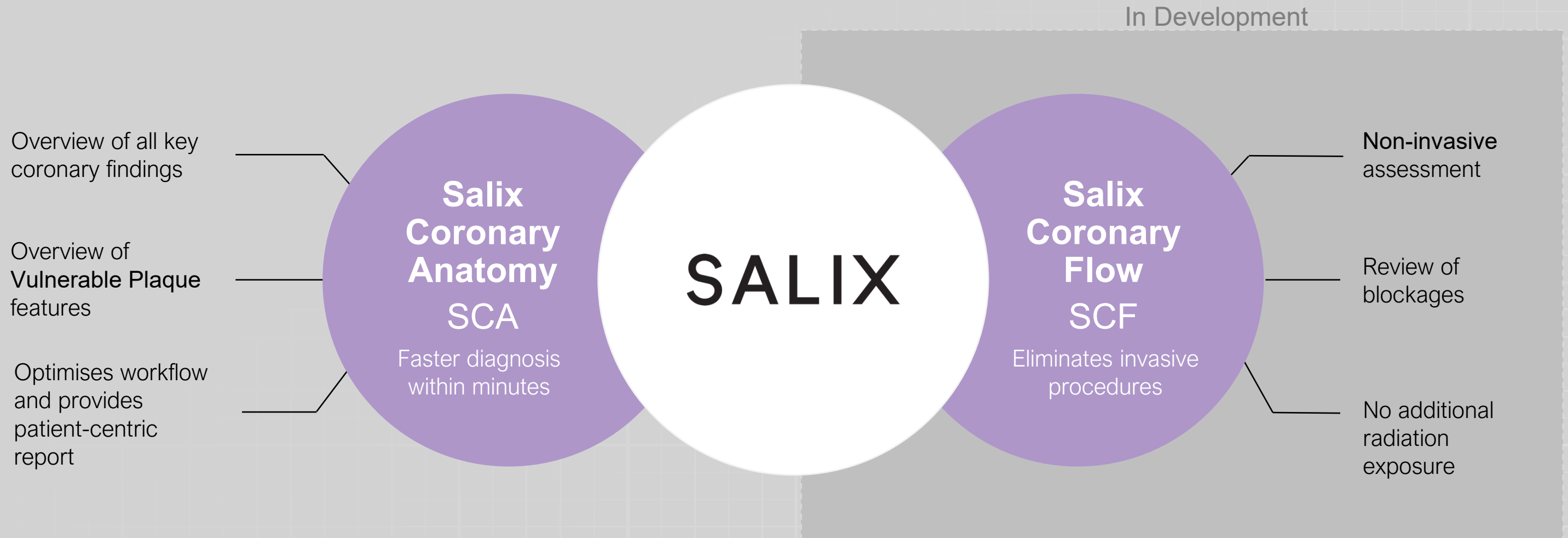
Stents

Surgery

May be ineffective or unnecessary

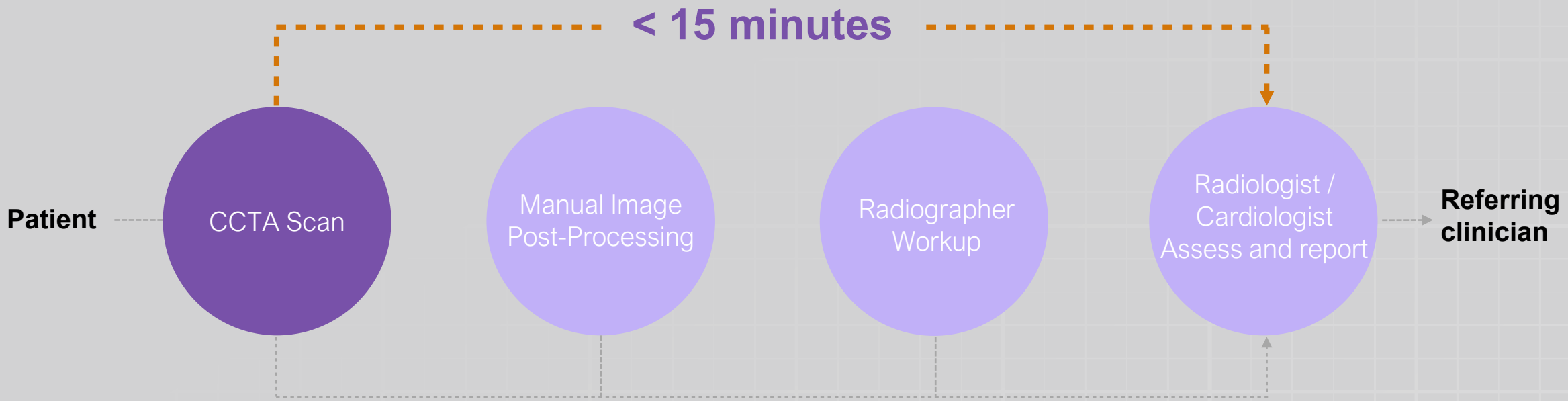
Salix solution is unique reporting the real cause of death

...within minutes



Salix cuts overall scan-to-report time at the point-of-care

Salix Coronary Anatomy (SCA)



Current Workflow
Up to 45 minutes per scan
(for heavily diseased scan)

Salix 1.6 (TGA release)

Stenosis > 50%
[Accuracy]

93%

Calcium score
[Correlation – Spearman's]

0.96

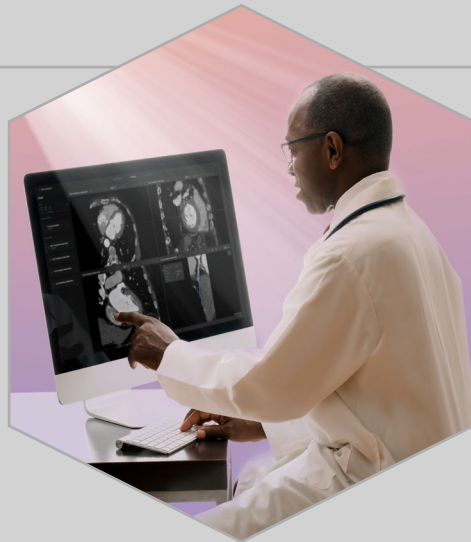
Low attenuation vulnerable plaque
[AUC]

0.75

1. Maroules, C.D. et al (2017) "Coronary artery disease reporting and data system (CAD-RADS™): Inter-observer agreement for assessment categories and modifiers," Journal of Cardiovascular Computed Tomography, 12(2), pp. 125-130.

The product and its development

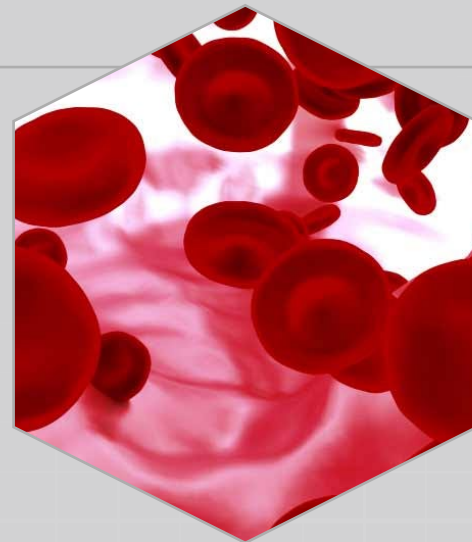
Artrya's product pipeline goes further & moves us towards predicting the patient at risk.



CORONARY ARTERY ASSESSMENT FOR FOR CAD

Plaque Characteristics

SCA
Salix Coronary Anatomy



SEVERITY

Blood flow assessment (artery and heart)

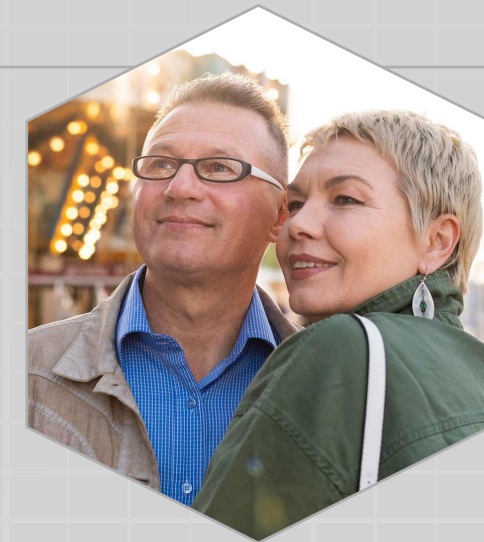
SCF
Salix Coronary Flow*



OPTIMISED PROCEDURE

Procedure & treatment

SPP
Salix Procedure Planning*



VULNERABLE PATIENT

Vulnerable Patient
Predicting the Patient at risk

SVP
Salix Vulnerable Patient*

*in development or roadmap

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Market
Overview

Capturing the CCTA Market Opportunity

10–15%¹

Estimated

of global CT scans will be CCTA by 2025 (37.5m – 56m CCTA scans globally)

>4m²

CCTA scans / year in 2021

Artrya's short term focus will be on accessible regions – US, AUS, EU/UK

US

- **2.5m** CCTA scans per year in 2021³
Expected to grow to **4.4m by 2025**³
- >\$320b currently spent annually on heart disease⁶

EU/UK

- **1.7m** CCTA scans per year in 2021³
Expected to grow to **2.7m by 2025**³
- Only 1/3 of patients requiring CCTA assessment are currently scanned⁴

Australia

- **>120,000** CCTAs performed in 2022⁵
- 900 CCTA radiology sites

Driving this growth:

- International guidelines (ACC/AHA and NICE) recommending CCTA as the first line test for patients with stable and acute chest pain
- New CPT codes with large reimbursement (USD\$800-USD\$1000) for plaque assessment and FFR assessment (USD\$930)
- Massive cost to the system - in the next two decades, the number of Americans with cardiovascular disease will rise to 131.2 million - 45 percent of the total U.S. population -- with costs expected to reach \$1.1 trillion²

1. <https://www.frost.com/news/press-releases/high-end-global-computed-tomography-purchases-to-propel-the-high-end-ct-segment-revenue/>
Channon KM, Newby DE, Nicol ED, et al. Cardiovascular computed tomography imaging for coronary artery disease risk: plaque, flow, and fat. Heart. 2022;108:1510-1515. doi: 10.1136/heartjnl-2021-320265.
Changing the beat with advanced cardiac CT care - <https://www.gehealthcare.com/insights/article/changing-the-beat-with-advanced-cardiac-ct-care>

2. American Heart Association (AHA) - <https://www.heart.org/-/media/Files/About-Us/Policy-Research/Fact-Sheets/Public-Health-Advocacy-and-Research/CVD-A-Costly-Burden-for-America-Projections-Through-2035.pdf>

3. Source: Frost & Sullivan Research

4. <https://www.tctmd.com/news/ct-angiography-increasing-england-downstream-tests-are-not>

5. MBS Statistics for item number 57360, http://medicarestatistics.humanservices.gov.au/statistics/mbs_item.jsp

6. <https://www.ahajournals.org/doi/full/10.1161/CIRCULATIONAHA.120.053216>

Focus areas & regulatory approval

FOCUS AREAS

US FDA
Australian Market Entry
Research Market

REGULATORY APPROVALS

Australia
New Zealand
European CE Mark
UK Conformity Assessment
FDA strategy implementation

STATUS



Ongoing

(Indicative timeframe)

- Q-sub submission - May 2023
- Q-sub meeting completed - June 2023
- 510k application submission
- Estimated approval within 6 months of application

Business Model

SaaS business model...

GLOBAL AVAILABILITY
24/7

HIGH GROSS MARGIN

**NO CAPITAL EXPENDITURE
REQUIRED BY CUSTOMERS**



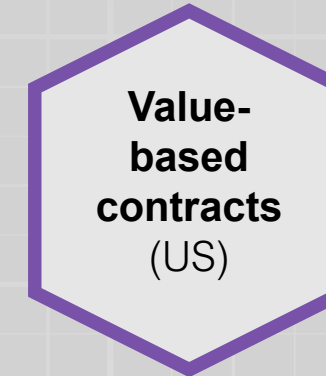
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Annuity stream for access to services and features.



Significant uplift in revenue or decrease in cost to payers, providers, and practices.

Salix Coronary Anatomy – Brief Demo



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■ Thank You

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