

ARTRYA™

Bell Potter Healthcare Conference 2022

November 2022



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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

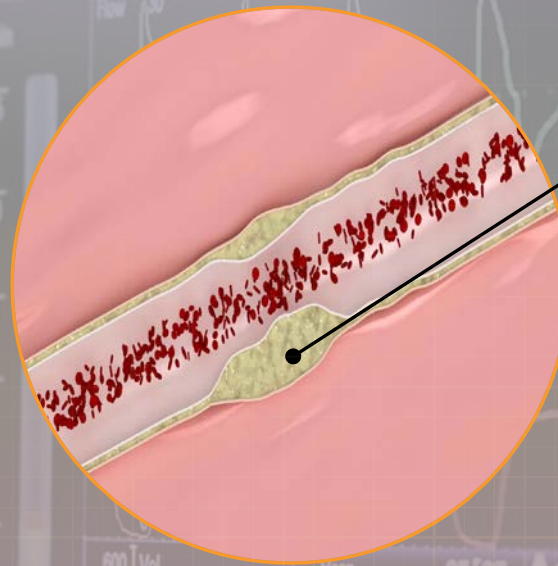
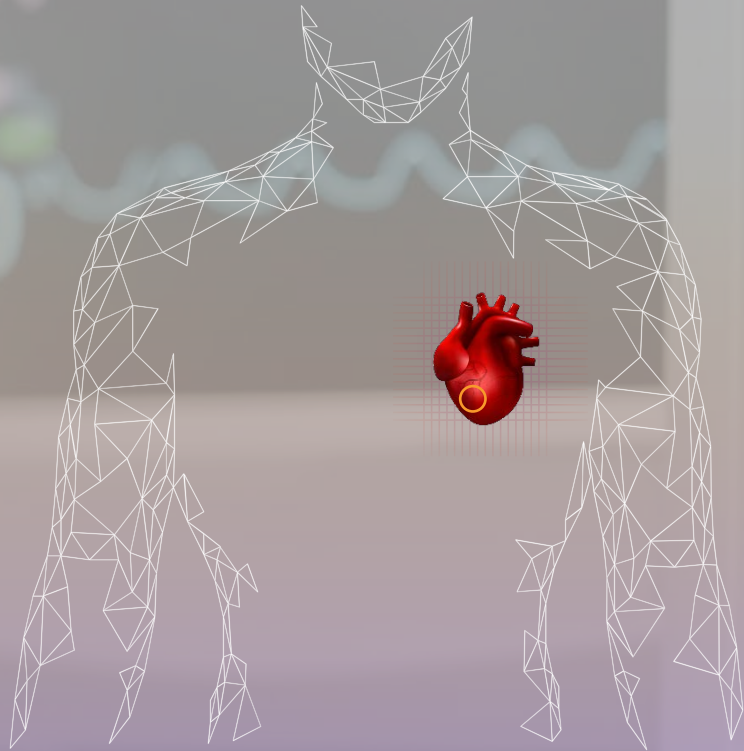
**Nine
million**

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 Real Problem, now Surfaced by Artrya

The culprit is particularly unstable soft plaque that ruptures called **Vulnerable Plaque**.



**BUILD UP
OF PLAQUE**

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

Artrya – Trading Information

ASX: AYA Trading Information

Share Price (4 November 2022) **\$0.66**

12 month low/high \$0.46/\$1.60

Shares outstanding 78,264,880

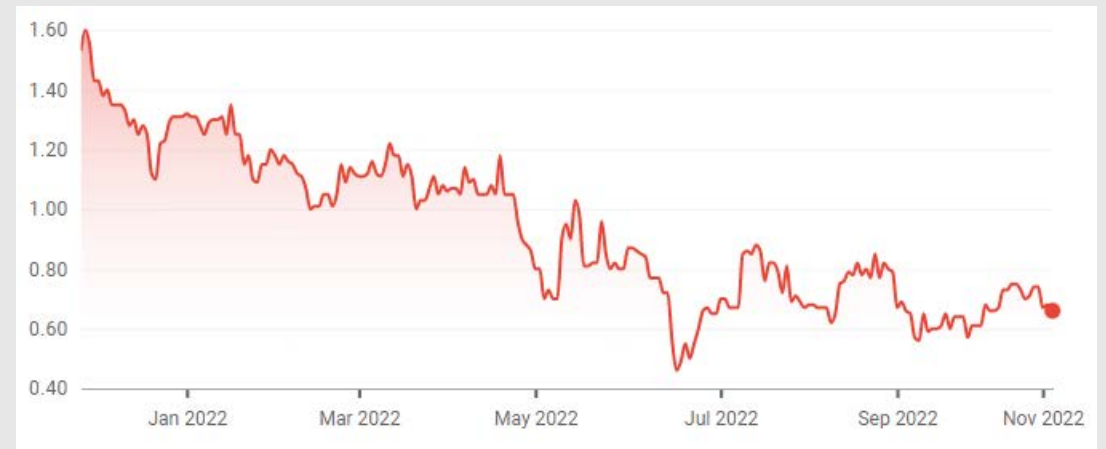
Market Capitalisation **\$53.3M**

Cash (30 September 2022) \$30.5M

Debt (30 September 2022) Nil

- Net monthly cash burn of \$1.7 million
- During the first quarter Artrya received cash of \$259,262 from the Federal Government's BMTH grant programme.

ASX: AYA Trading Chart



Top 5 Holders

Top Holders (Grouped) As Of 11/4/2022

Rank	Name	Units	% Units
1	JOHN BARRINGTON <BHT FAMILY A/C>	7,340,910	9.36
2	MS ERIKA HENRIETTE KONSTANTOPOULOS <IEMK FAMILY A/C>	7,000,000	8.93
3	SANDHURST TRUSTEES LTD <ENDEAVOR ASSET MGMT MDA A/C>	2,800,429	3.57
4	RICH CAB PTY LTD <DALE MCKENZIE SUPER FUND A/C>	1,835,228	2.34
5	KEEBLE NOMINEES PTY LTD <RIDGEWAY SUPER FUND A/C>	1,669,192	2.13
Totals: Top 5 holders of ORDINARY FULLY PAID SHARES (Total)		20,645,759	26.33
Total Remaining Holders Balance		57,758,234	73.67

ARTRYA STRATEGY

Save lives, creating economic & social value

Winning
Aspiration



Global standard in coronary artery disease detection at point of care

Innovation

Curiosity

Excellence

Integrity

Delivery

Where to play



Software
(SaaS)

Medical Device

Coronary Artery Disease

AUS

NZ

US

UK

EU

How to win



Point of Care Delivery

3D heart model, coronary images & report
in 15 minutes

Vulnerable Plaque Detection

Location / severity identified on 3D model &
reported

Scalability / Availability

Unlimited scalability
24/7 availability
No human intervention

Capabilities



SaaS software development

Born in the cloud

AI Image Detection

AI, deep learning, machine learning

Partnering

Leading research institute collaborations

Systems



Regulatory & Clinical

Product Development

Revenue Generation

People & Culture

Finance

The product and its development

AI EXTRACTED PATIENT OVERVIEW & SUMMARY

VULNERABLE PLAQUE ASSESSMENT

AI GENERATED IMPRESSION & FINDINGS

PLAQUE COMPOSITION INSIGHTS

PATIENT CORONARY ARTERY MODEL IS PRESENTED IN 3D AND HIGHLIGHTS DISEASE, ENABLING CLINICIANS TO ENGAGE PATIENTS IN TREATMENT DISCUSSION

Comprehensive patient data is presented on a single screen with 3D model.

Salix Coronary Anatomy has a high level of accuracy.

Stenosis > 50%
[Accuracy]



93%

Calcium score
[Correlation - Spearman's]



0.96

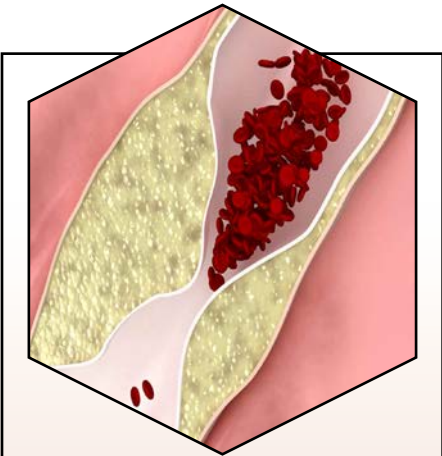
Low attenuation vulnerable
plaque volume [Correlation]



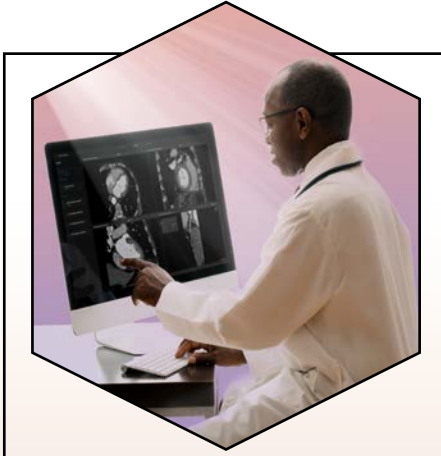
0.79

The product and its development

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



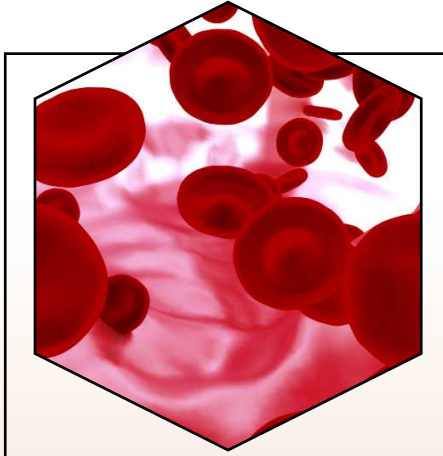
**FROM BUILD UP
OF PLAQUE**



**WHOLE HEART
CHARACTERISATION
FOR CAD**

Vulnerable Plaque
burden

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

Product refinement & regulatory approval

PILOT STUDIES

Prestigious SCCT award

Learnings from pilot studies

400 scans a month
through Salix

Stability

Performance

Accuracy

REGULATORY APPROVALS

Australia

New Zealand

European CE Mark

UK Conformity Assessment

FDA strategy implementation

STATUS



Ongoing

Business Model & Market Entry

Revenue generation

SaaS business model...

GLOBAL AVAILABILITY
24/7

HIGH GROSS MARGIN

**NO CAPITAL EXPENDITURE
REQUIRED BY CUSTOMERS**



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Charge a single flat fee per image scanned.



Annuity stream for access to services and features.



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

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Chair
Bernie Ridgeway



Co-Founder &
Managing Director
John Barrington AM



Co-Founder &
Executive Director
John Konstantopoulos



Non-Executive Director
Dr Jacque Sokolov

Our people – Artrya Leadership



Managing Director & CEO
John Barrington AM



Executive Director
John Konstantopoulos



Chief Medical Officer
Dr Jacob Agris



Chief Technology Officer
Julien Flack PhD



Head of Regulatory Affairs,
USA
James Monroe



Chief Financial Officer
Mark Wainwright



Chief People & Culture
Officer
Janice Marcon



Head of Business
Development
Riaz Kingston

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James C. Bonnette, MD



Professor Benjamin
Chow, MD

FY23 Key Milestones

- Q2
 - UKCA approval
 - First UK commercial contract
 - UK research partnership
- Q3
 - FDA Qsub meeting
 - First FDA application
 - Increase number of Australian pilots
- Q4
 - Australian revenue
 - FDA applications
 - Health Canada revised category application

Summary

- Growing global need to address major cause of death worldwide
- Continuing strong business case
- Cash preservation initiatives implemented
- United Kingdom UKCA regulatory approval
- Australian & NZ regulatory approval
- European CE Mark regulatory approval
- FDA strategy being implemented
- Product refinements continuing from pilot sites processing 400 scans per month
- First UK contract secured
- UK NHS hospital research contract pending
- Prestigious Society of Cardiovascular Computed Tomography award
- \$30m cash position
- FY23 first revenue

