
ARGENICA THERAPEUTICS
INVESTOR PRESENTATION
ASX: AGN
OCTOBER 2021

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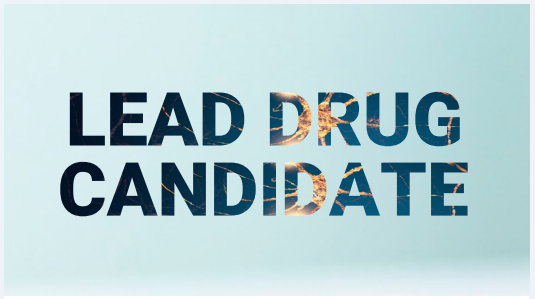
COMPANY SNAPSHOT

Commercialise “best in class” novel neuroprotective therapeutics to reduce brain cell death following stroke and other brain injuries.



ARG-007

Neuroprotective peptide that could offer protection to the brain following stroke and other acute central nervous system injuries.

perron institute

THE UNIVERSITY OF WESTERN AUSTRALIA

linear

GRANTED PATENTS

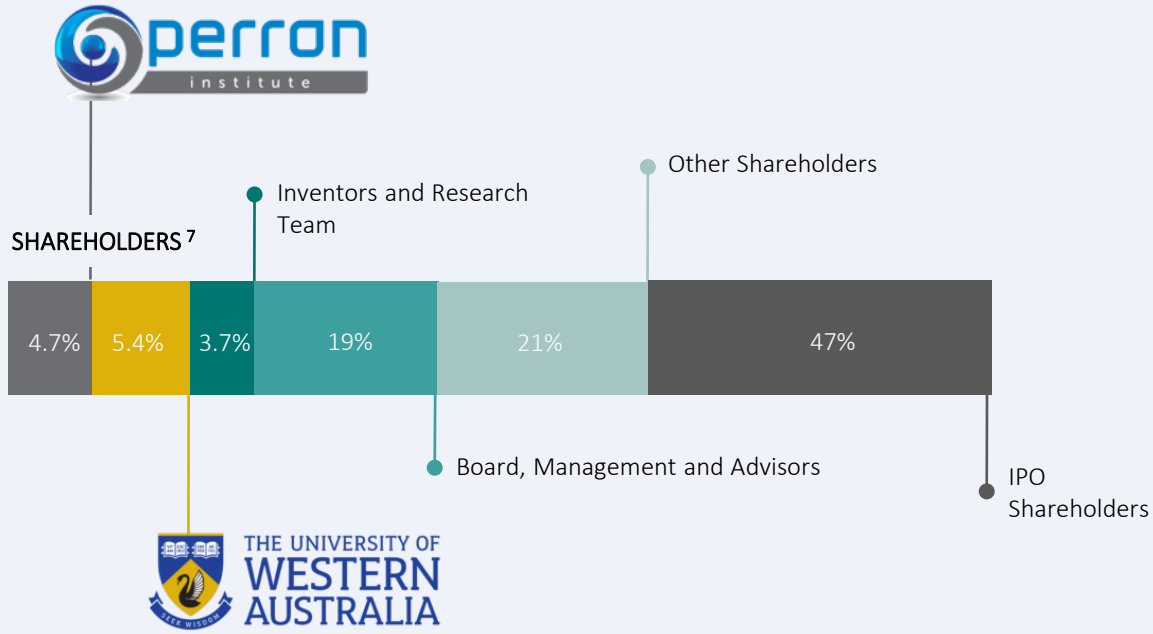
Granted in the EU, Japan and China, and a US national filing in progress.

FREE OF ENCUMBRANCES

IP 100% owned by Argenica and free of royalties or other encumbrances.

CAPITAL STRUCTURE

Total Shares on issue	**73,172,250**
Shares subject to escrow for 12 months [1]	3,322,500
Shares subject to escrow for 24 months [2]	22,625,752
Options on issue (escrow for 24 months) [2 & 3]	8,300,000
Options on issue [4]	800,000
Cash Balance [5]	**Circa $7.1m**
Market Capitalisation @ $0.385 [6]	**Circa $28.1m**
Enterprise Value (EV) @ $0.385 [6]	**Circa $21.0m**

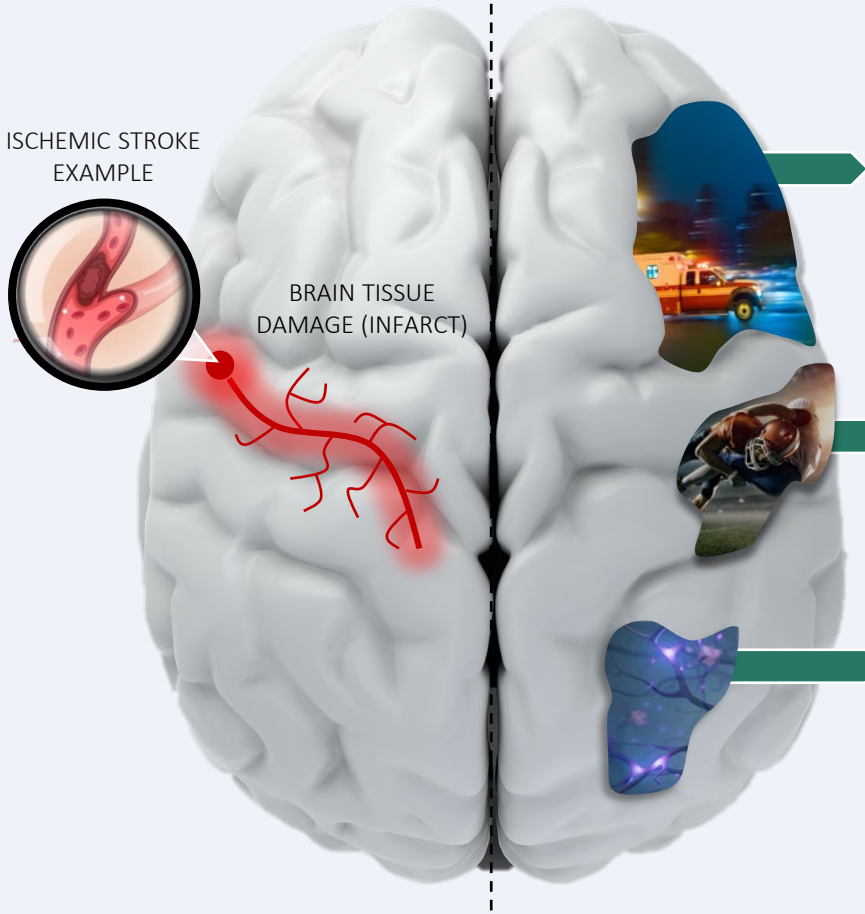


1. *12 months from the date of issue of the securities | 1.6m – 17th December 2021 | 1.7m – 31st December 2021*
2. *24 months from the date of commencement of Official Quotation on ASX – 11th June 2023*
3. *Option Terms – Exercise price $0.30, expiry 30 Sept 2024*
4. *Option Terms – Exercise price $0.30, expiry 6 August 2023.*
5. *As @ 30 June 2021*
6. *Closing price as @ 18th October*
7. *Percentages are estimates only and subject to slight variation*

ARG-007

HOW IT WORKS

- Cell death in the brain, or infarction, results from inadequate blood supply to the affected area.
- Initial infarction sets off a cascade of cell death.
- While no drug can stop the initial infarct injury, ARG-007 has **multiple mechanisms** of action to stop the cascade of cell death that happens after the initial injury.
- In animal models of stroke, ARG-007 slows the progression of neuronal cell death and preserves still viable brain tissue.
- This increases the amount of available salvageable brain tissue.



APPLICATIONS

STROKE

ARG-007 has shown significant efficacy in a number of animal models of stroke.

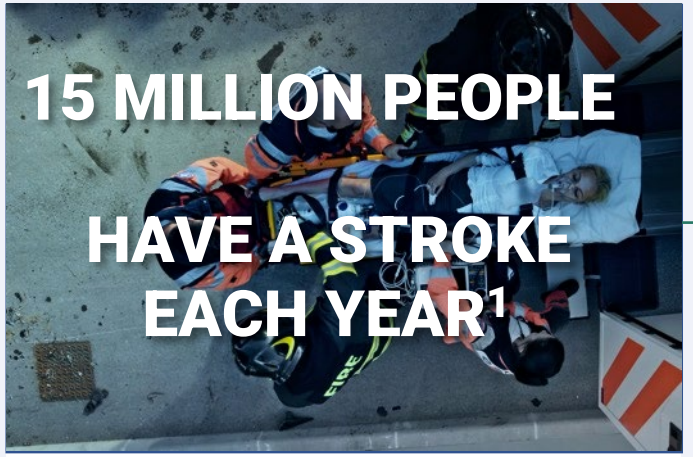
TRAUMATIC BRAIN INJURY (TBI)

Preclinical studies show that ARG-007 reduces neuronal injury after TBI.

HYPOXIC ISCHEMIC ENCEPHALOPATHY (HIE)

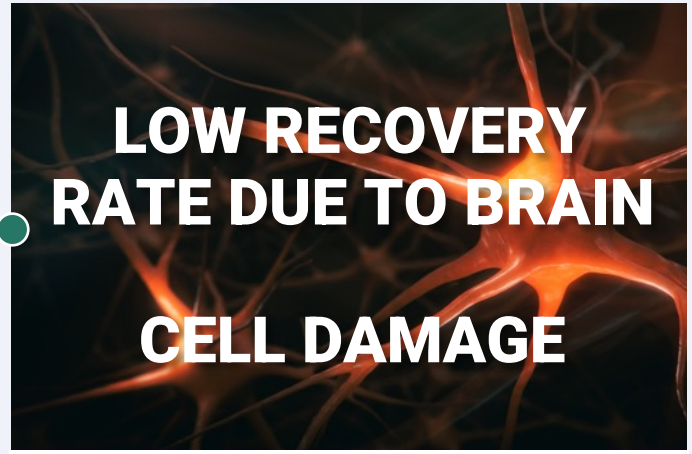
Preclinical studies have shown Argenica's ARG-007 provides neuroprotection for HIE.

STROKE IS A GLOBAL ISSUE



- **One in four** people will have a stroke in their lifetime[2]
- **Every 19 minutes** an Australian suffers a stroke[2]

- Long term disability
- Lasting brain damage
- **High death rate**
- Substantial economic costs

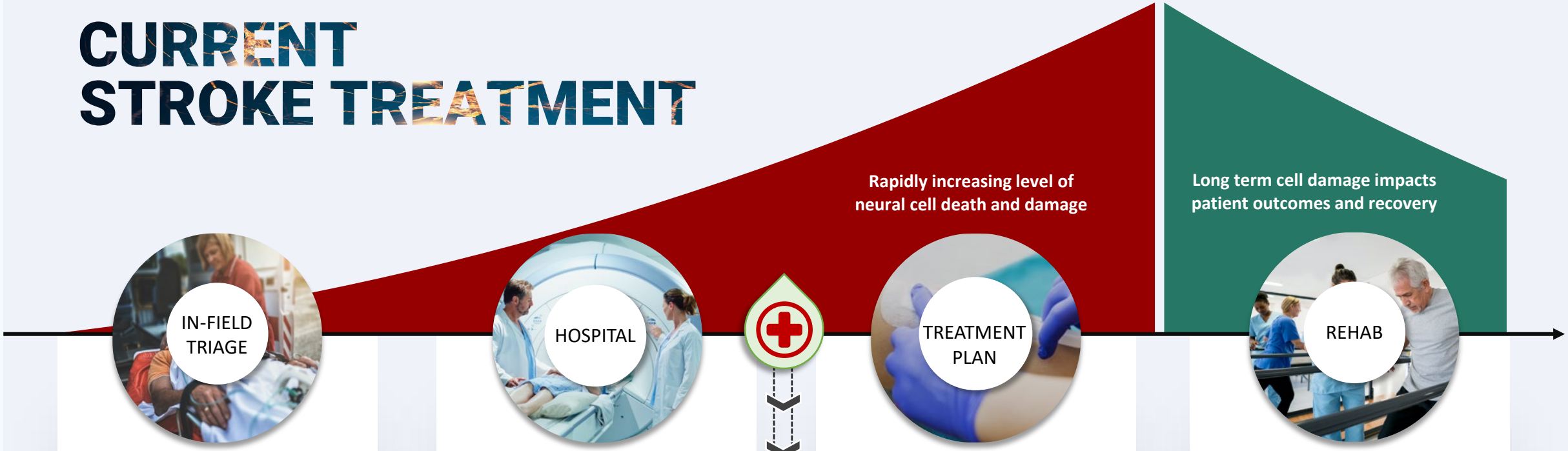


- Stroke attacks 1.9 million brain cells **per minute**[4]
- The brain ages 3.6 years **every hour** stroke treatment is delayed[4]

There are **no** universally available drugs that protect brain cells following stroke.

[1] World Health Organisation [2] Stroke Foundation [3] National Stroke Association [4] Saver, JL. (2006). "Time is Brain". Stroke., 37 (1), pp. 263-266

CURRENT STROKE TREATMENT



Patient in ambulance and arrives at emergency

Diagnose type of stroke

Current therapeutic treatment

1-4 weeks acute hospitalisation[1] followed by intensive rehabilitation and potential complications

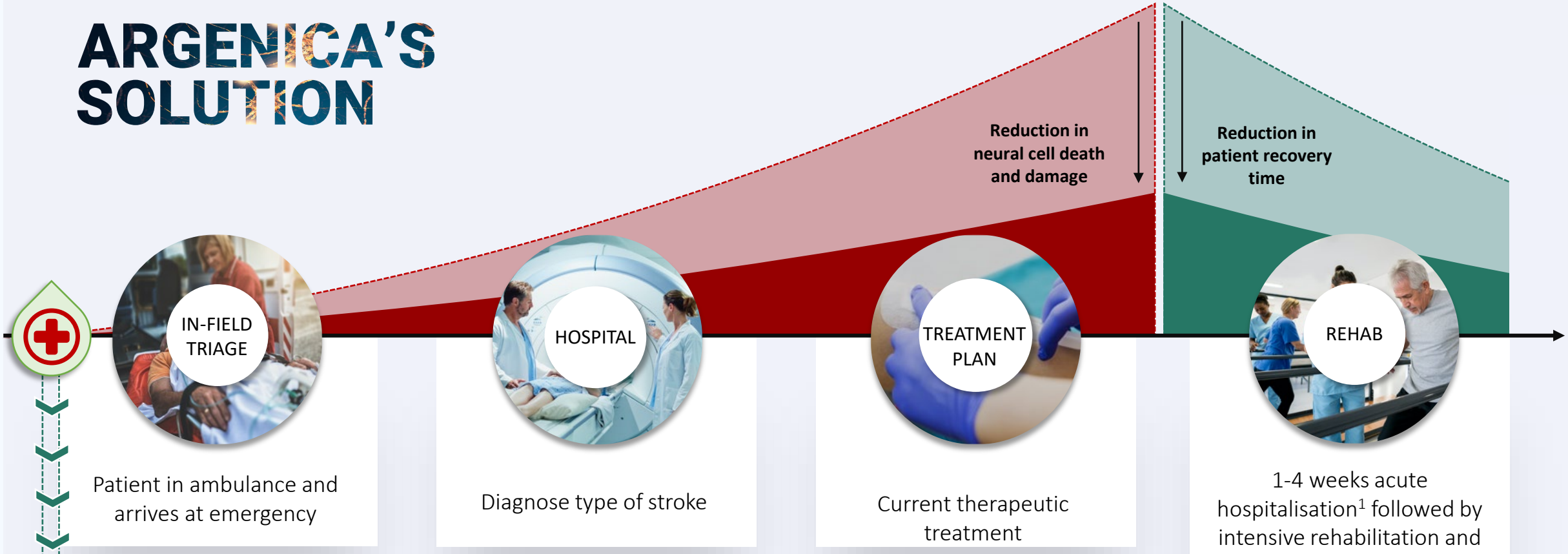
THERAPEUTICS ARE ADMINISTERED AFTER DIAGNOSING THE PATIENT IS HAVING A STROKE

Treatment interventions occur **many hours** after the initial stroke

Does not prevent or reverse further neuronal damage and cell death

[1]PMID: 26009865

ARGENICA'S SOLUTION



Patient in ambulance and arrives at emergency

Diagnose type of stroke

Current therapeutic treatment

1-4 weeks acute hospitalisation[1] followed by intensive rehabilitation and potential complications

ARG-007 TO BE ADMINISTERED BY FIRST RESPONDERS IN THE FIELD TO MINIMISE A PATIENT'S BRAIN CELL DAMAGE

POTENTIAL BENEFITS OF ARG-007

INTRAVENOUS INJECTION

Simple injection for paramedics to use in emergency stroke scenarios

ALLOWS MORE TIME

Extends the treatment window for stroke patients who have to travel significant distance for treatment

REDUCES BRAIN INJURY

Protects the brain against the damaging effects of stroke

IMPROVES LIVES

Reduces special care requirements and intensive rehabilitation time. Increased likelihood of preserving functionality.

NON-DISRUPTIVE

Does not require any changes to current stroke **treatment protocols**

LOWERS COSTS

Reduces hospitalisation time and post-care hospital costs. Puts less pressure on the healthcare system.

Potential benefits only. ARG-007 is under development and subject to clinical validation.

ENCOURAGING RESULTS TO DATE

ARG-007 showed a **67% reduction in brain tissue death** (infarct volume) for at least 28 days after stroke[1].

Pre-clinical studies showed ARG-007 does not exacerbate bleeding in hemorrhagic stroke model, meaning it could be **safe to administer in the field** by first responders[2].

No adverse effects were observed in a PK animal study, indicating that ARG-007 is potentially safe and well-tolerated at the relevant doses[3].

OFFERS NEUROPROTECTION EVEN WHEN CO-ADMINISTERED WITH CLOT DISSOLVING DRUGS [4]

These findings are preliminary in nature. A larger dataset will be required for clinical validation.
[1] Preclinical animal stroke model
[2] Preclinical study
[3] ASX Announcement 'Argenica completes pilot pre-clinical pharmacokinetics study' 01 July 2021
[4] ASX Announcement 'Study shows arg-007 does not degrade when co-administered with ischemic stroke therapeutics' 12 July 2021

NEAR-TERM CLINICAL TRIAL CATALYSIS

FINAL PHARMACOKINETIC STUDIES

ANIMAL STUDY

Determines how **ARG-007** is absorbed, distributed, metabolised, and excreted by the body, and is essential for establishing dosing regimes for the Phase 1 clinical trial.

Q4 CY21

SAFETY & TOXICOLOGY STUDIES

ANIMAL STUDY

Characterise the safety profile of **ARG-007** by identifying its impact on organ structure and / or functionality at a range of doses, including maximum tolerated dose.

Q4 CY21 – EARLY Q1 CY22

PRE-STUDY ACTIVITIES

Completion of preliminary study activities, including clinical site management setup, preparation of ethics submission and healthy volunteer patient recruitment.

Q4 CY21 – Q1 CY22

PHASE 1 CLINICAL TRIAL

IN-HUMAN STUDY

Confirmation of safety, such as adverse side effects, in a small number of healthy persons.

TRIAL BEGINS – Q1 CY22

Timelines are a guide only and subject to change.

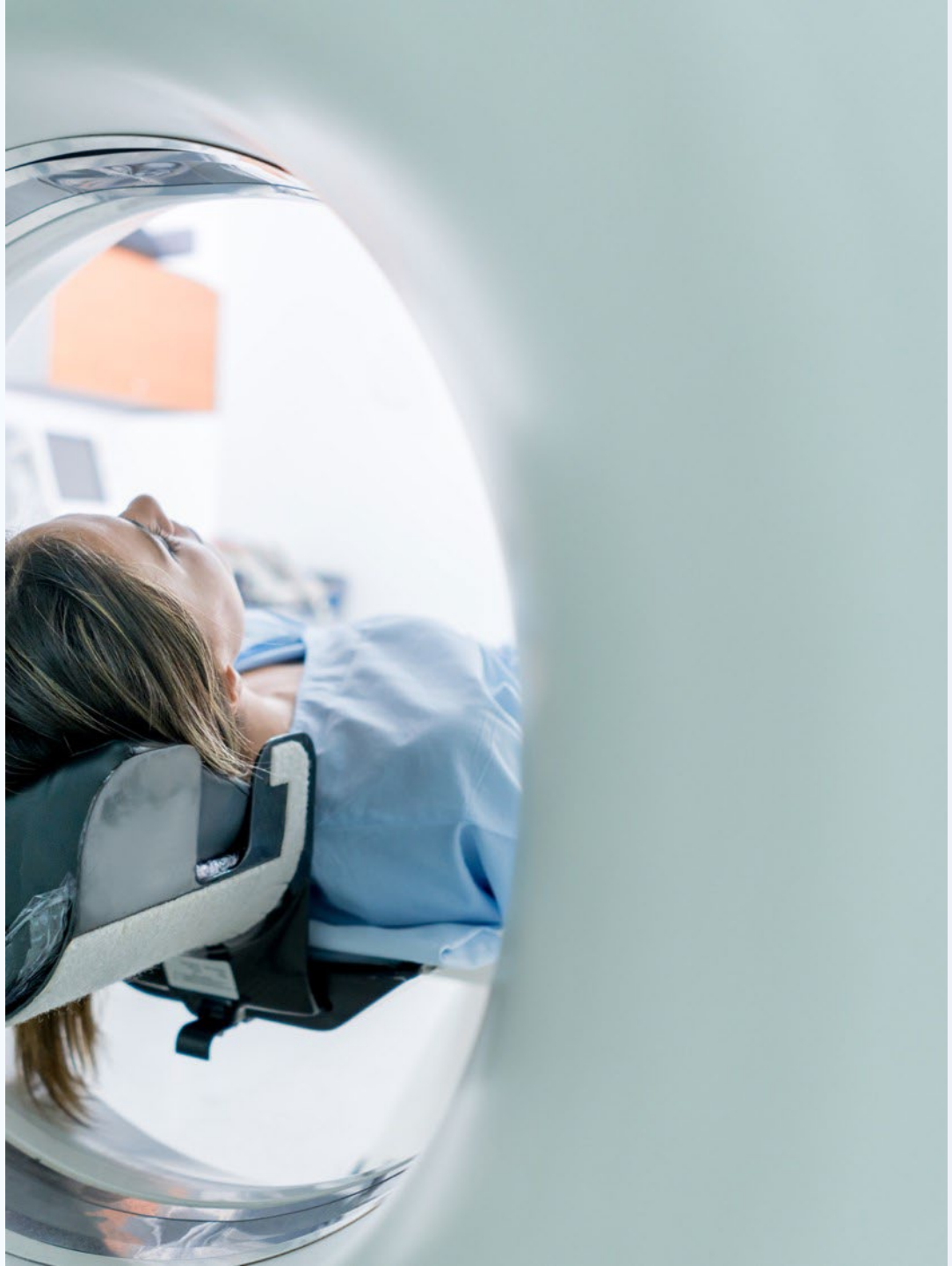
PRIMARY OBJECTIVES OF PHASE 1

1. IMPROVE THE **UNDERSTANDING** OF HOW **ARG-007** EFFECTS THE BODY

2. EVALUATE THE **SAFETY OF ARG-007** WHEN ADMINISTERED

3. DETERMINE THE **IDEAL SAFE DOSAGE**

4. IDENTIFY ANY POSSIBLE **ADVERSE REACTIONS**



ADVANCING TO PHASE 2 STUDIES

- Data collected from the Phase 1 clinical trial will be critical to progress into Phase 2 trials, where **ARG-007** will be administered to stroke patients.

- While stroke is the current corporate and commercial focus, safety data from the Phase 1 clinical trial can potentially be used to move directly into other Phase 2 trials in other types of brain injury, including;

  - **Hypoxic ischemic encephalopathy (HIE)** - A type of brain dysfunction that occurs when the brain doesn't receive enough oxygen or blood flow for a period of time.

  - **Traumatic brain injury (TBI) & concussion** - An injury resulting from a violent blow or jolt to the head or body.

  - **Surgically induced stroke** – including stokes sustained during endovascular aneurysm repair and transcatheter aortic valve implantation.

CREDENTIALLED & EXPERIENCED TEAM

Geoff Pocock
Non-Executive Chairman

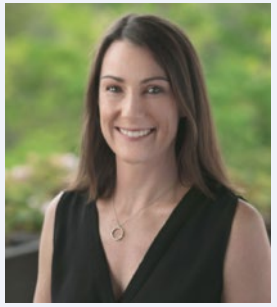
- 20 years' experience in commercialisation of emerging technologies and capital markets
- Non-Executive Director of EMVision Medical Devices Ltd (ASX:EMV)
- Co-Founder / Former Managing Director of Hazer Group (ASX: HZR)
- Former Executive Director, Osteopore Ltd (ASX:OSX)

Dr Samantha South
Executive Director

- Extensive background in CNS medical research at Weill Medical College at Cornell University (NY), The University of Queensland and The Garvan Institute
- 10 years of Director experience at multiple companies
- Over 15 years' experience in preclinical CRO and technology transfer in medtech / biotech sector, at UQ, QUT and UWA.

Emma Waldon
Company Secretary

- Experienced Company Secretary with ASX listed and private companies
- Over 18 years' corporate advisory, capital markets and corporate governance experience
- Current co-sec of medical device developer EMVision (ASX: EMV) and previous co-sec of Hazer Group (ASX: HZR)



Dr Liz Dallimore
CEO

- Over 20 years' experience in R&D, technology commercialisation and management consulting, including at KPMG, EY and PWC
- Extensive background in stroke and spinal cord regeneration research at the Australian Neuromuscular Research Institute, UWA and Oxford University
- PhD in Neuroscience (UWA) and an MBA (AGSM)

Liddy McCall
Non-Executive Director

- Over 25 years' experience of senior Board and Management roles and has a strong history of success with early-stage Biotechnology companies
- Co-founded 3 biotechnology companies which have successfully achieved 3 FDA drug registrations and 1 FDA/CE Mark medical device approval
- Co-founder of iCeutica Inc group (acquired in 2011 achieving a ten-fold uplift on the valuation) and Dimerix Limited (ASX:DXB)

Terry Budge
Non-Executive Director

- 25 years with National Australia Bank in senior executive roles before serving as managing Director of Bankwest from 1997 to 2004
- Previously a member of the Fundraising Committee of the Perron Institute, and is currently an independent director for Westoz Investment Company (ASX:WIC)

INVESTMENT HIGHLIGHTS

1#
CLEAR PATHWAY TO TRIALS
Clear clinical pathway and robust capital position to execute Phase 1 clinical trials.

2#
UNMET CLINICAL NEED
There is an urgent unmet need and priority to search for widely applicable and effective neuroprotective solution.

3#
PRE-CLINICAL DATA
Positive pre-clinical results provide encouraging dataset leading into in-human trials.

4#
EXCEPTIONAL TEAM
An exceptional team with expertise in drug development commercialisation and capital markets.

5#
NEAR TERM CATALYSIS
Value enhancing milestones expected in the near term including, results required before the beginning of Phase 1 trials.

ARGENICA THERAPEUTICS

For further information please contact:

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CEO
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