10 November 2025 Sydney, Australia

# Investor Presentation and CEO AGM Presentation

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**Nyrada Inc (ASX:NYR)**, a clinical-stage biotechnology company developing Transient Receptor Potential Canonical (TRPC) ion channel inhibitors to treat a range of medical conditions provides the enclosed presentation slides in connection to investor meetings to be held in the week commencing Monday 10 November 2025 and for its 12 November 2025 Annual General Meeting CEO presentation.

– ENDs –



Nyrada Inc. Level 22/23, Salesforce Tower, 180 George Street, Sydney NSW 2000 ARBN 625 401 818

## About Nyrada Inc.

Nyrada Inc. is a clinical-stage biotechnology company focused on the discovery and development of innovative small-molecule therapies, specifically targeting Transient Receptor Potential Canonical (TRPC) ion channels. The company's lead candidate, Xolatryp™, has shown efficacy in both cardioprotection and neuroprotection, and has just completed a first-in-human Phase I clinical trial. Nyrada Inc. (ARBN 625 401 818) is incorporated in Delaware, US, with limited liability for its stockholders.

www.nyrada.com

*Authorised by John Moore, Non-Executive Chair, on behalf of the Board.*

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This announcement may contain forward-looking statements. You can identify these statements by the fact they use words such as "aim", "anticipate", "assume", "believe", "continue", "could", "estimate", "expect", "intend", "may", "plan", "predict", "project", "plan", "should", "target", "will" or "would" or the negative of such terms or other similar expressions. Forward-looking statements are based on estimates, projections, and assumptions made by Nyrada about circumstances and events that have not yet taken place. Although Nyrada believes the forward-looking statements to be reasonable, they are not certain. Forward-looking statements involve known and unknown risks, uncertainties and other factors that are in some cases beyond the Company's control (including but not limited to the COVID-19 pandemic) that could cause the actual results, performance, or achievements to differ materially from those expressed or implied by the forward-looking statement.

# AGM Presentation


**James Bonnar**
**Managing Director and CEO**


**12 November 2025 | Sydney, Australia**

**Improving Lives, Offering Hope**

**ASX:NYR**

Authorised by Mr. John Moore, Non-Executive Chair,
on behalf of the Board.

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# Nyrada Overview

- Clinical-stage biotech company developing TRPC ion channel inhibitors to treat a range of medical conditions
- Lead drug candidate – Xolatryp (formerly NYR-BI03).
  - Potent 3rd generation TRPC 3, 6 and 7 channel inhibitor
  - Novel and well-understood mechanism of action
  - Solid scientific foundation
  - Preclinical efficacy across multiple therapeutic areas
- Progressing Clinical Development
  - Phase I completed (safety, tolerability, PK)
  - Progressing into Phase IIa - acute myocardial infarction targeting ischemia reperfusion injury

# Company Snapshot

## Company Structure

| ASX:NYR Overview at 6 November 2025 | |
|---|---|
| CDIs on Issue (m) | 239.5 |
| Share Price at close 5 Nov. 2025 (AU$) | $0.60 |
| Market Capitalisation (AU$m) | $215.5 |
| Options and Performance Rights (m)* | 49.4 |
| Board and Staff Holding (%) | 10.3 |

* Excludes options to be considered at 12 November 2025 Annual General Meeting

## Leadership

| Nyrada Leadership | |
|---|---|
| Non-Executive Chair | Mr. John Moore |
| Managing Director and Chief Executive Officer | Mr. James Bonnar |
| Chief Scientific Officer | Dr. Benny Evison |
| Chief Financial Officer | Mr. Cameron Jones |
| Scientific Advisory Board Chair | Prof. Garry Housley |

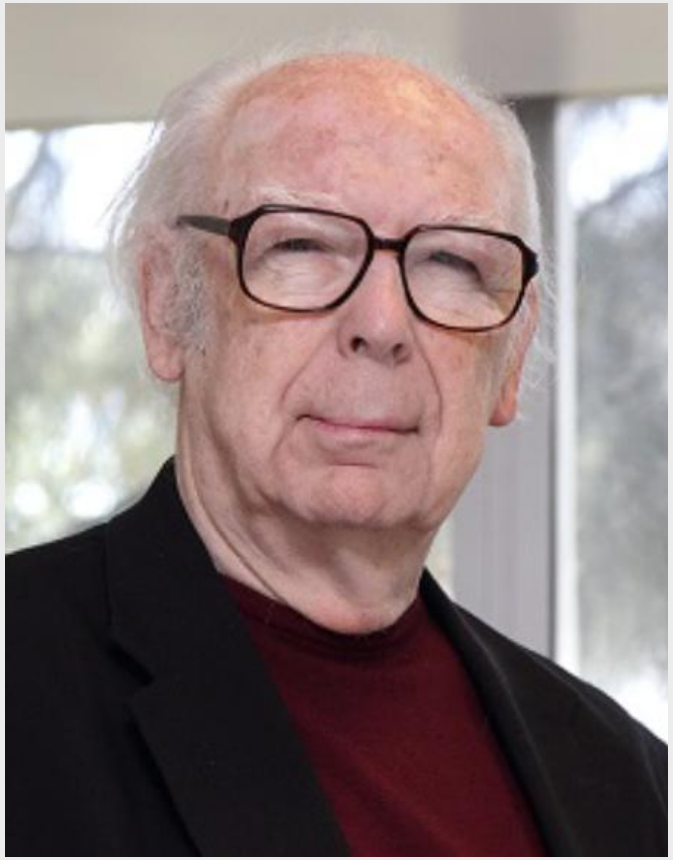
## Share Register – 6 November 25

| Position | Holder Name | Holding | % IC |
|---|---|---|---|
| 1 | MR MARK AZZI | 39,666,809 | 16.56% |
| 2 | MATT CORP WA PTY LTD | 11,408,580 | 4.76% |
| 3 | ALTNIA HOLDINGS PTY LTD | 9,921,725 | 4.14% |
| 4 | KYRIACO BARBER PTY LTD | 7,503,106 | 3.13% |
| 5 | MR JOHN MOORE | 7,072,756 | 2.95% |
| 6 | CELTIC FINANCE CORP PTY LTD | 4,700,000 | 1.96% |
| 7 | HARLUND INVESTMENTS PTY LTD | 4,150,000 | 1.73% |
| 8 | CELTIC CAPITAL PTE LTD | 4,000,000 | 1.67% |
| 9 | CITICORP NOMINEES PTY LIMITED | 3,592,561 | 1.50% |
| 10 | MS ROCHELLE SEMAAN | 3,109,684 | 1.30% |
| | **Total** | **95,125,221** | **39.72%** |
| | **Total issued capital - selected security class(es)** | **239,497,037** | **100.00%** |

## Price Chart

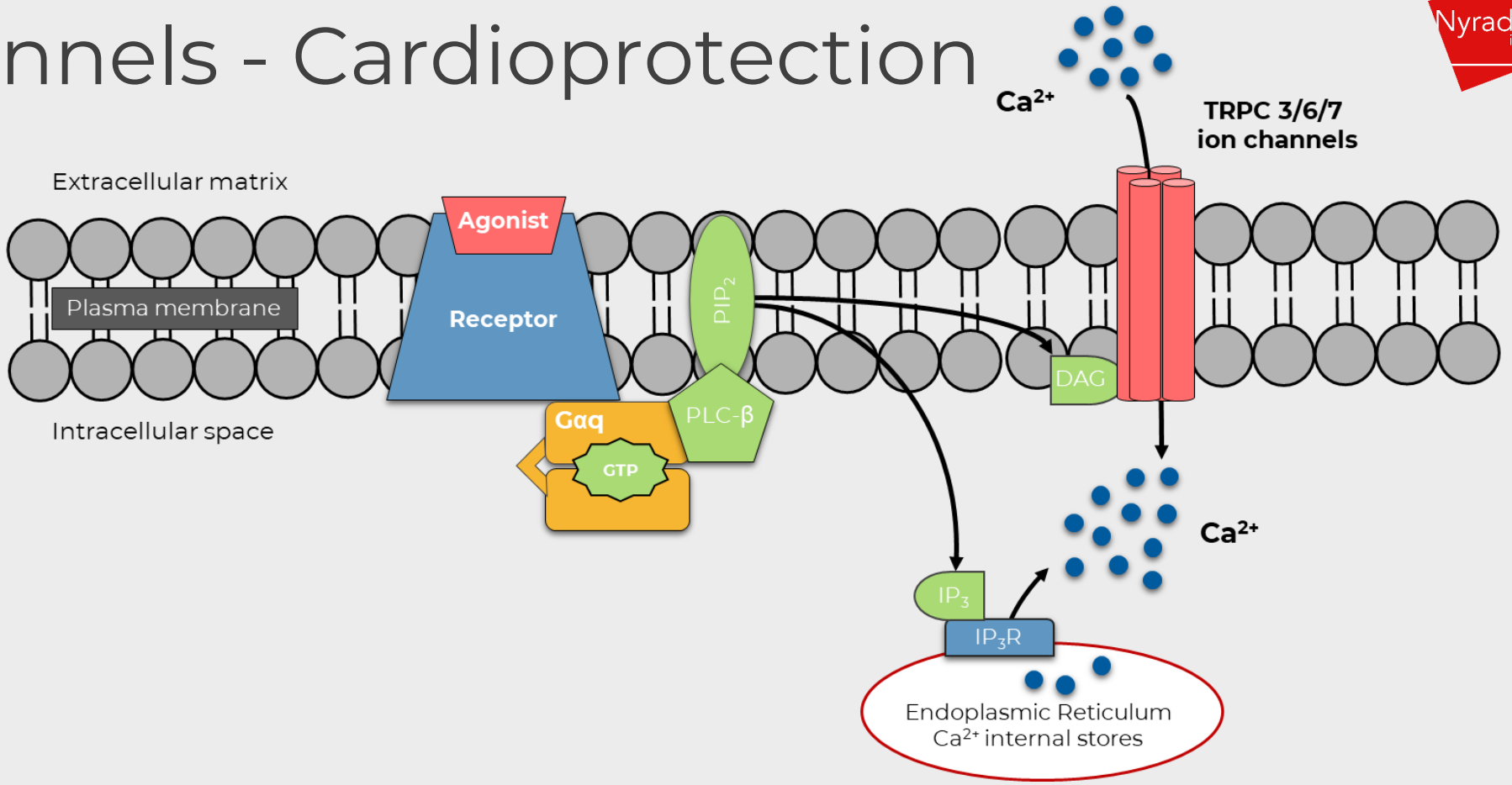

# Origins of TRPC Channel Inhibition

## Lutz Birnbaumer



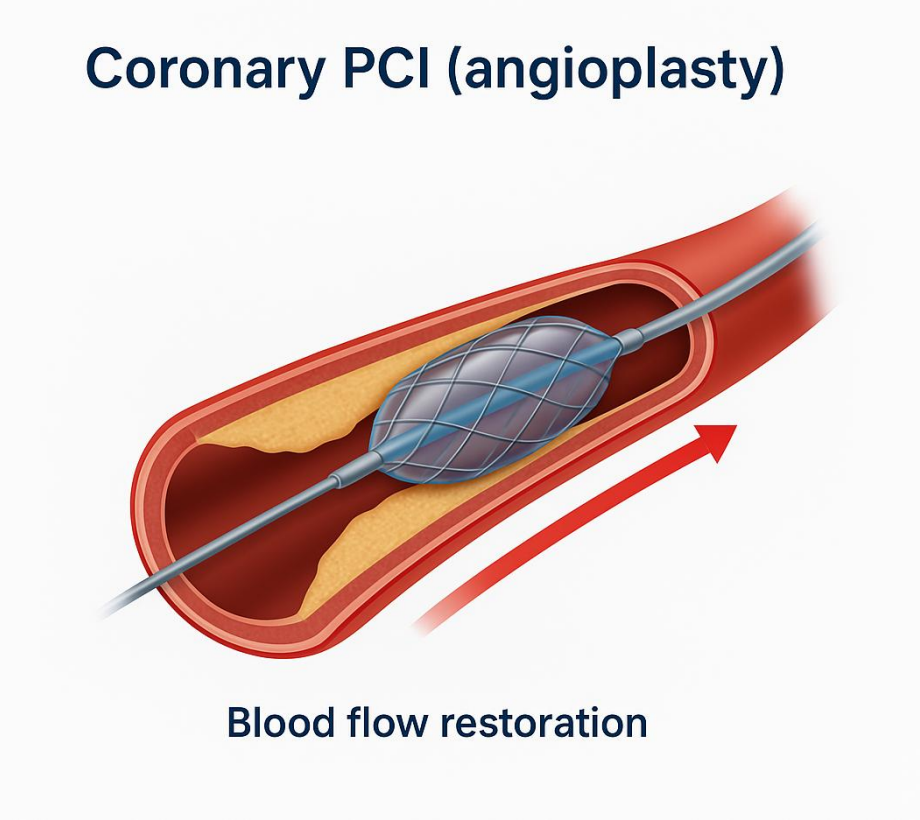
## Birnbaumer's Mice

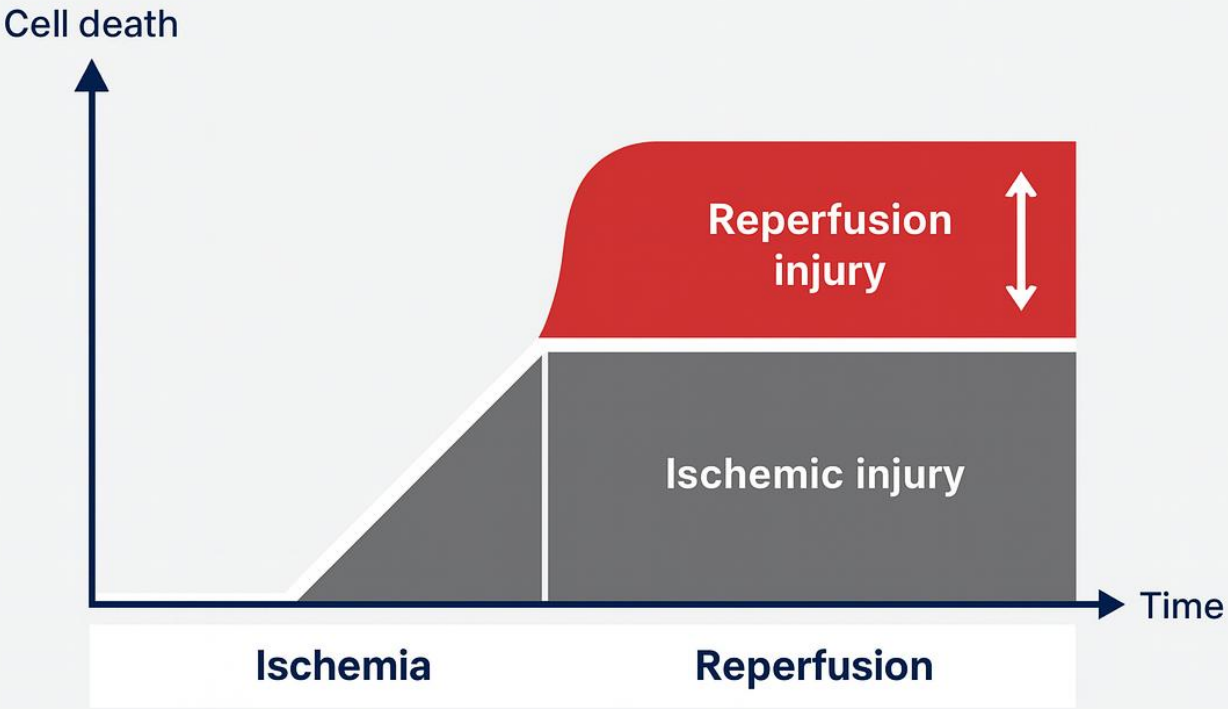
# TRPC Channels - Cardioprotection




| Cell Type | TRPC Activation Effect | Xolatryp Inhibition Effect |
|---|---|---|
| **Cardiomyocytes** | Calcium overload → cell death | Prevents damage, preserves function and contractility |
| **Endothelial** | Impaired repair → poor blood flow | Enhances vessel repair, reduces inflammation |
| **Fibroblasts** | Excessive scarring → stiff heart | Limits scarring, preserves flexibility |

# Ischemia Reperfusion – Last Cardiac Frontier




PCI (Balloon Angioplasty):

- First procedure in 1977, stents in 1994,
- Standard of care for STEMI by early 2000s

# Large Market Opportunity –
## Myocardial Ischemia Reperfusion Injury

**Globally:**

**~15-20 million** people suffer heart attack annually

**~15%** mortality within 30 days

No current FDA approved treatments

Effective treatment will improve patient outcomes and reduce high costs associated with long-term care of brain injury survivors.

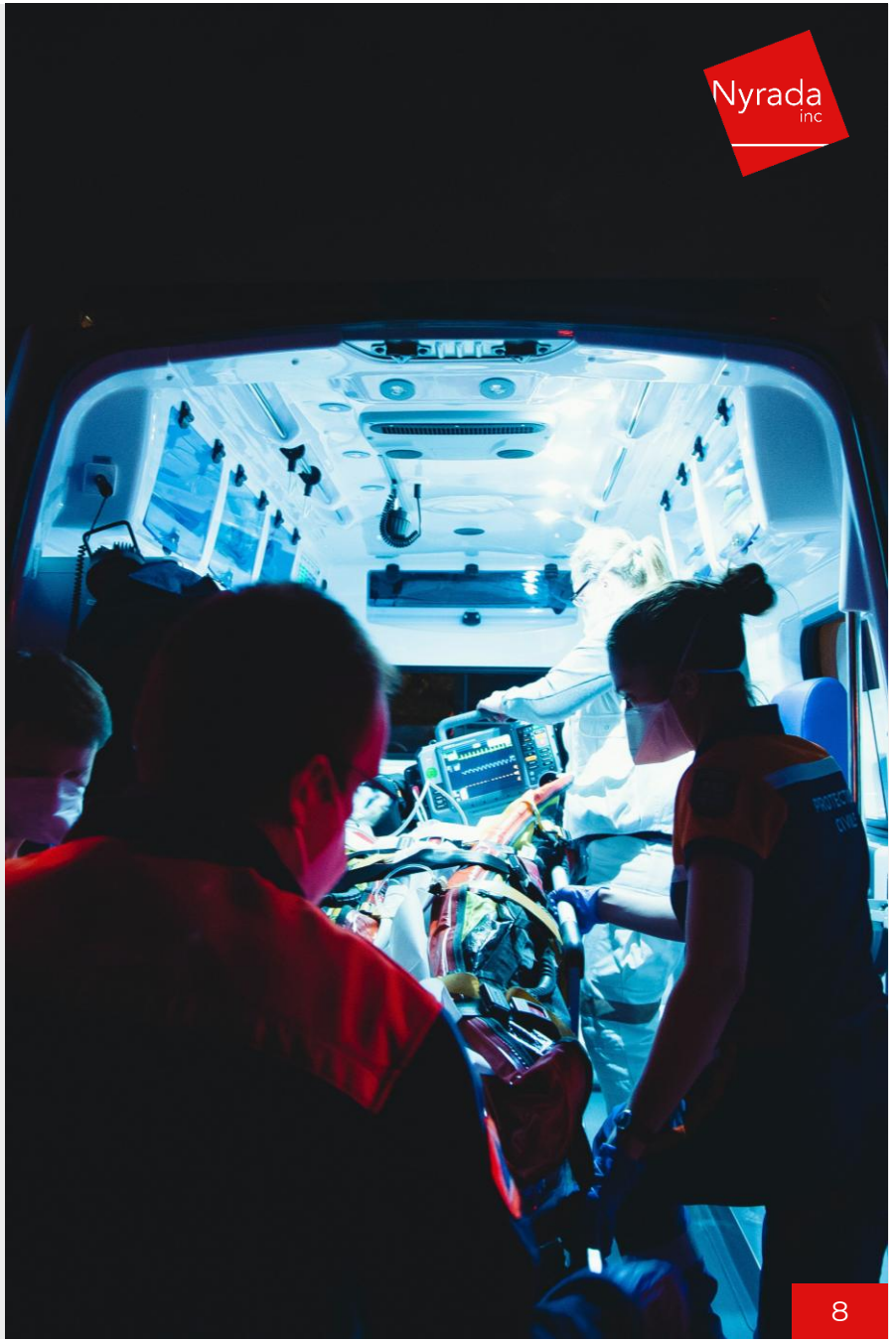
**Large and growing treatment market*:**

Currently **~US$1.7 billion**

Growing **~7.7% CAGR**

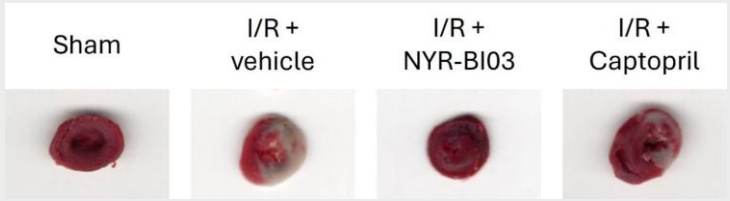
Forecast **~US$2.3 billion by 2029**

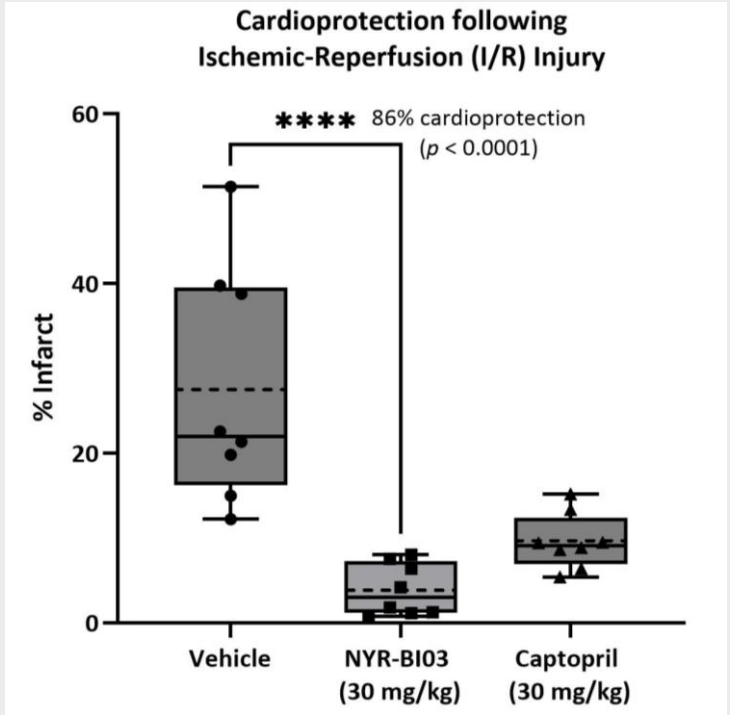
* Research and Markets - www.researchandmarkets.com/reports/6089883/ischemia-reperfusion-injury-market-report



# Preclinical Study 1

## Key Preclinical Results:




**Xolatryp** showed strong efficacy limiting cardiovascular damage resulting from myocardial ischemia-reperfusion (IR) injury

- **86%** Cardioprotection
- **43%** increase in left ventricular ejection fraction
- **50%** increase in fractional shortening

Key blood biomarker markers assessed

- **42%** decrease in AST levels
- **45%** decrease in LDH levels
- **32%** decrease in Troponin I

**Superior efficacy** compared to FDA-approved, Captopril

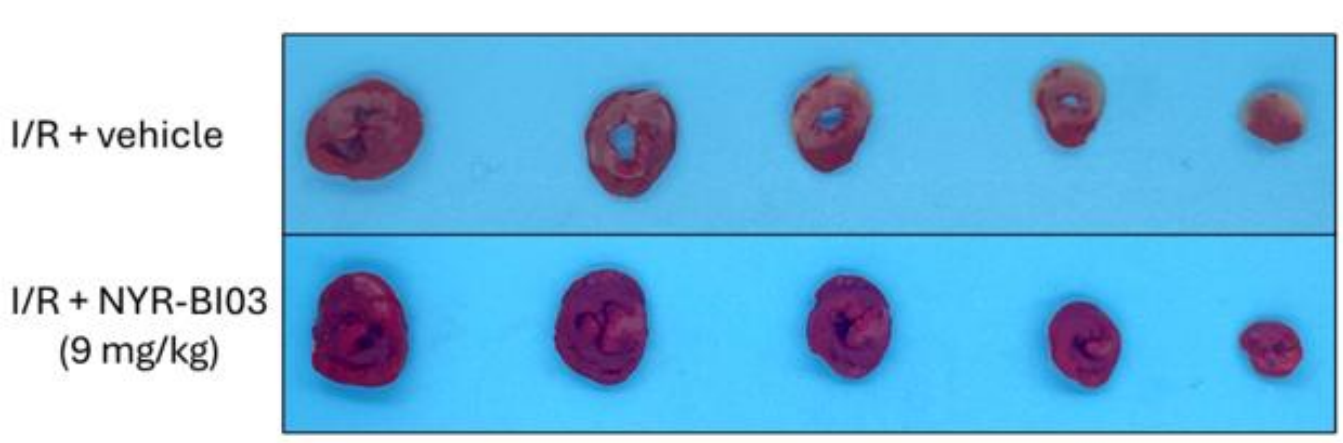
# Preclinical Study 2

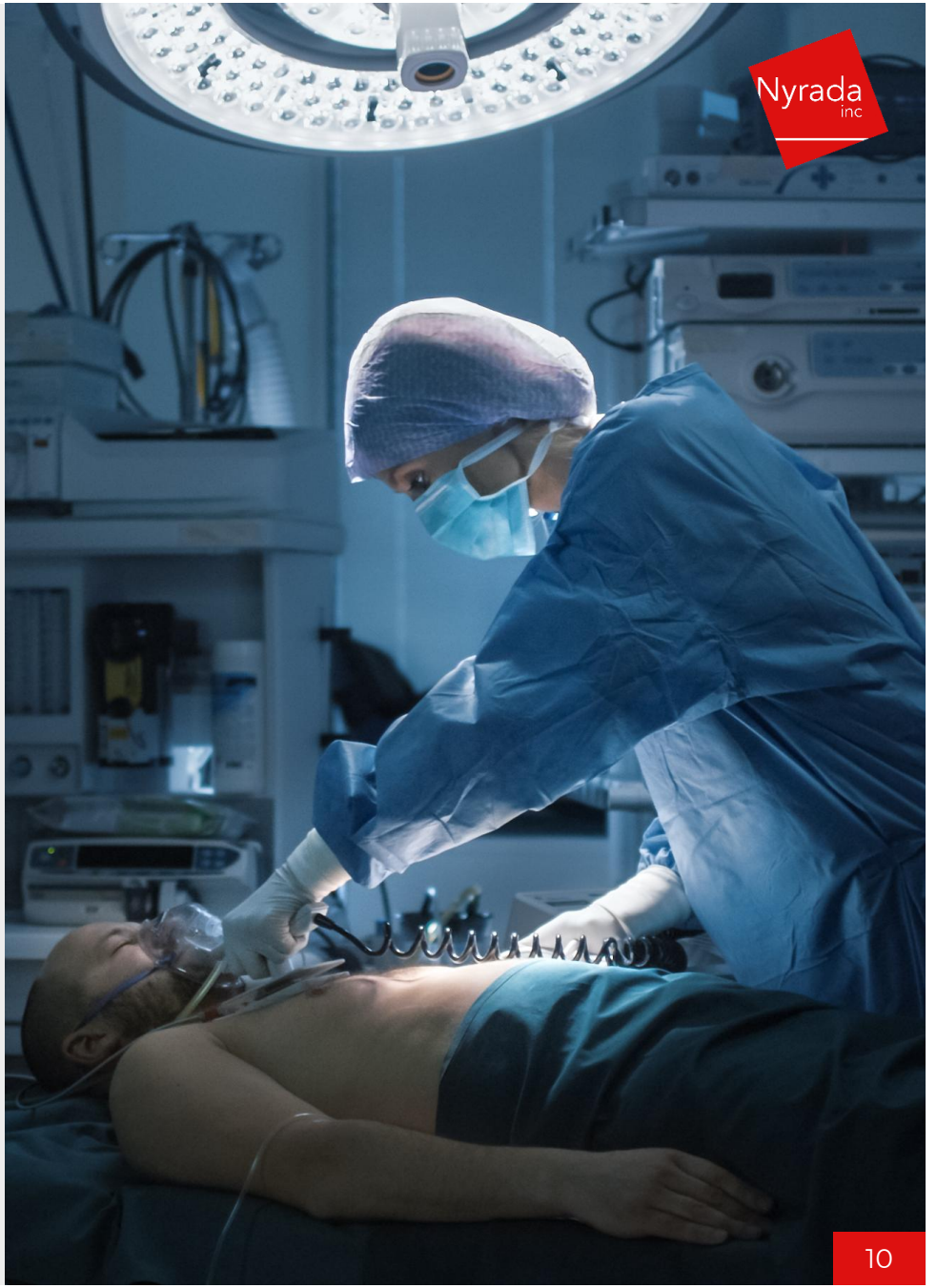
## Key Preclinical Results:

**Xolatryp** showed strong efficacy limiting cardiovascular damage resulting from myocardial ischemia-reperfusion injury when administered as a short-duration intravenous infusion

- **42%** Cardioprotection
- **88%** decrease in arrhythmias at 1 hour
- **90%** decrease in arrhythmias at 3 hours

Key blood biomarker markers assessed
- **32%** decrease in Troponin I
- **21%** decrease in in ALT levels



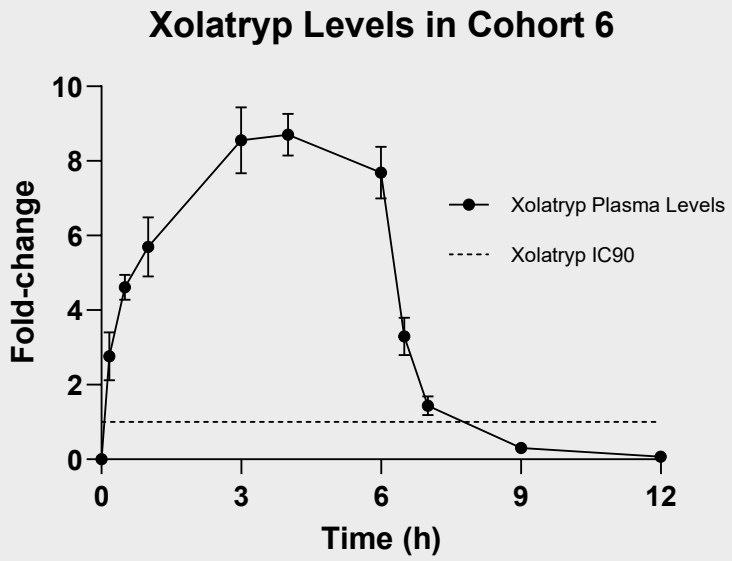
# Phase I Clinical Trial

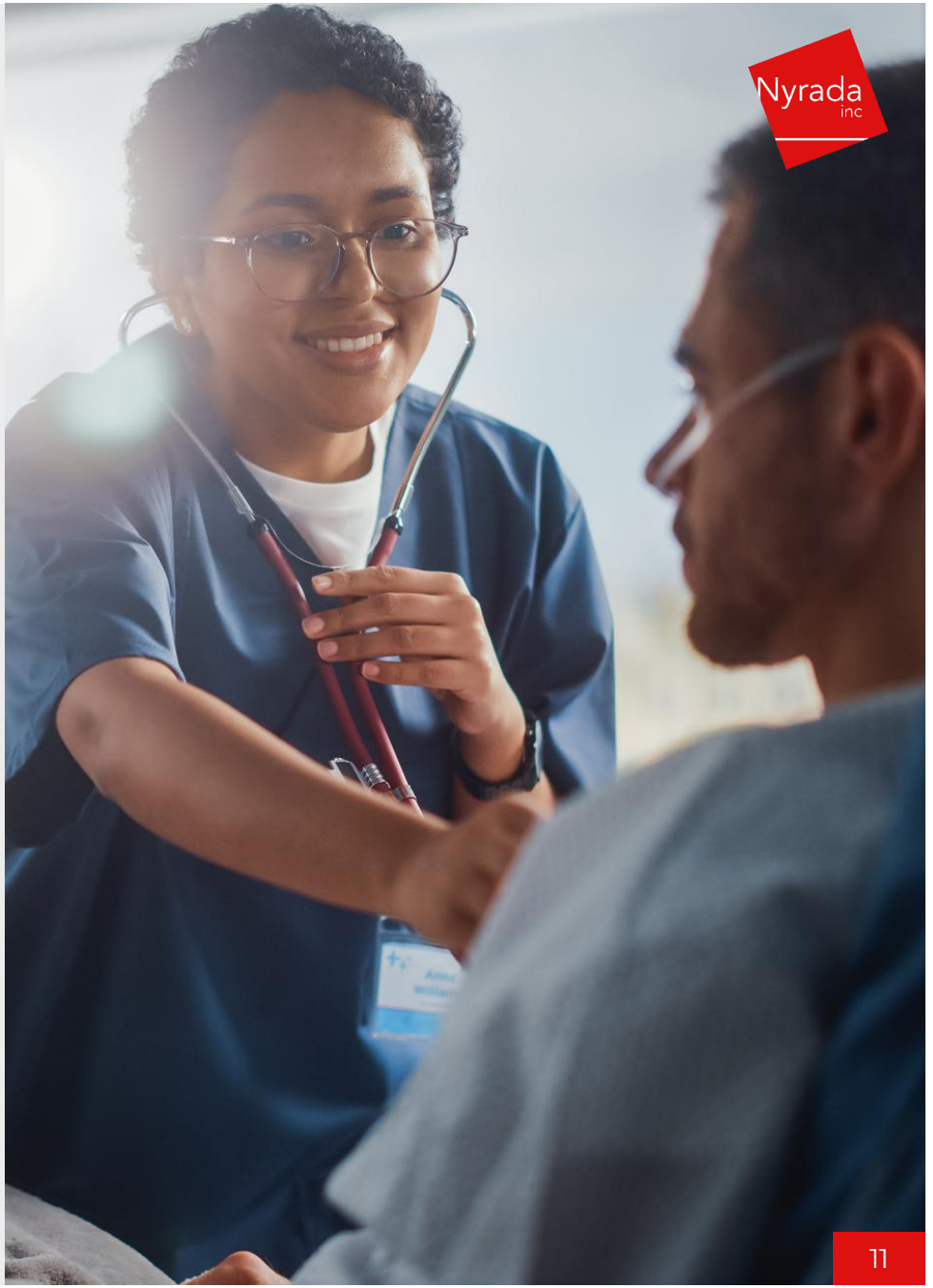
## Key Results:

**Xolatryp** met its Primary Endpoint with all doses safe and well tolerated, with no dose-limiting, or dose-related safety issues.

- **48 healthy participants** (36 received drug, 12 received placebo).
- **Nil SAEs**
- **10 AEs**
  - All mild or moderate
  - 5 *not related to* Xolatryp, 1 *unlikely related* to Xolatryp.
  - Most frequently reported AE was headache.

- **Pharmacokinetics** predictable with linear blood concentrations over time.
- **10 minutes** to reach therapeutic levels



# Phase IIa Clinical Trial

## Key Features:

**Xolatryp** to be assessed for safety and preliminary efficacy in patients with ST-Elevation Myocardial Infarction (STEMI) who undergo primary Percutaneous Coronary Intervention (PCI)

**Primary End Point** – Safety

**Further End Points** – Exploratory efficacy potentially including:

- Cardiac function
- Cardiac injury size
- Biomarkers including Troponin I levels
- Incidence of arrythmias of interest

**Scope** (subject to change)

- 200 patients (up to approximately; placebo and drug – 1:1)
- 9 to 18 months (indicative)
- 6 sites (initially)

Key operational risk – recruitment rate impacting duration and number of sites

# R&D Activities

## Evolving Pipeline:

**Xolatryp** demonstrated preclinical efficacy:

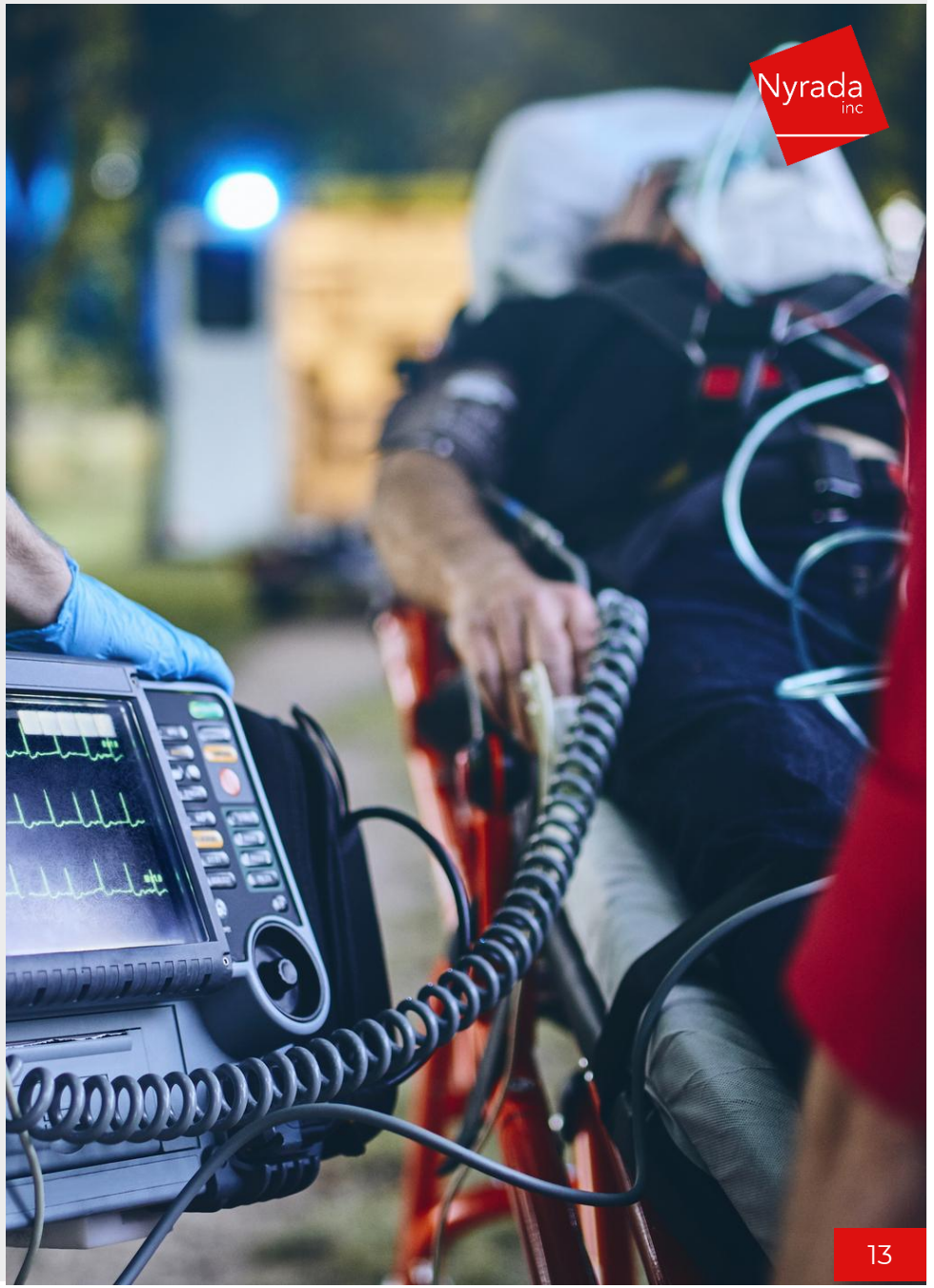
- Myocardial ischemia reperfusion injury
- Ischemic stroke
- Moderate to severe TBI

Literature suggests **Xolatryp** may have efficacy in:

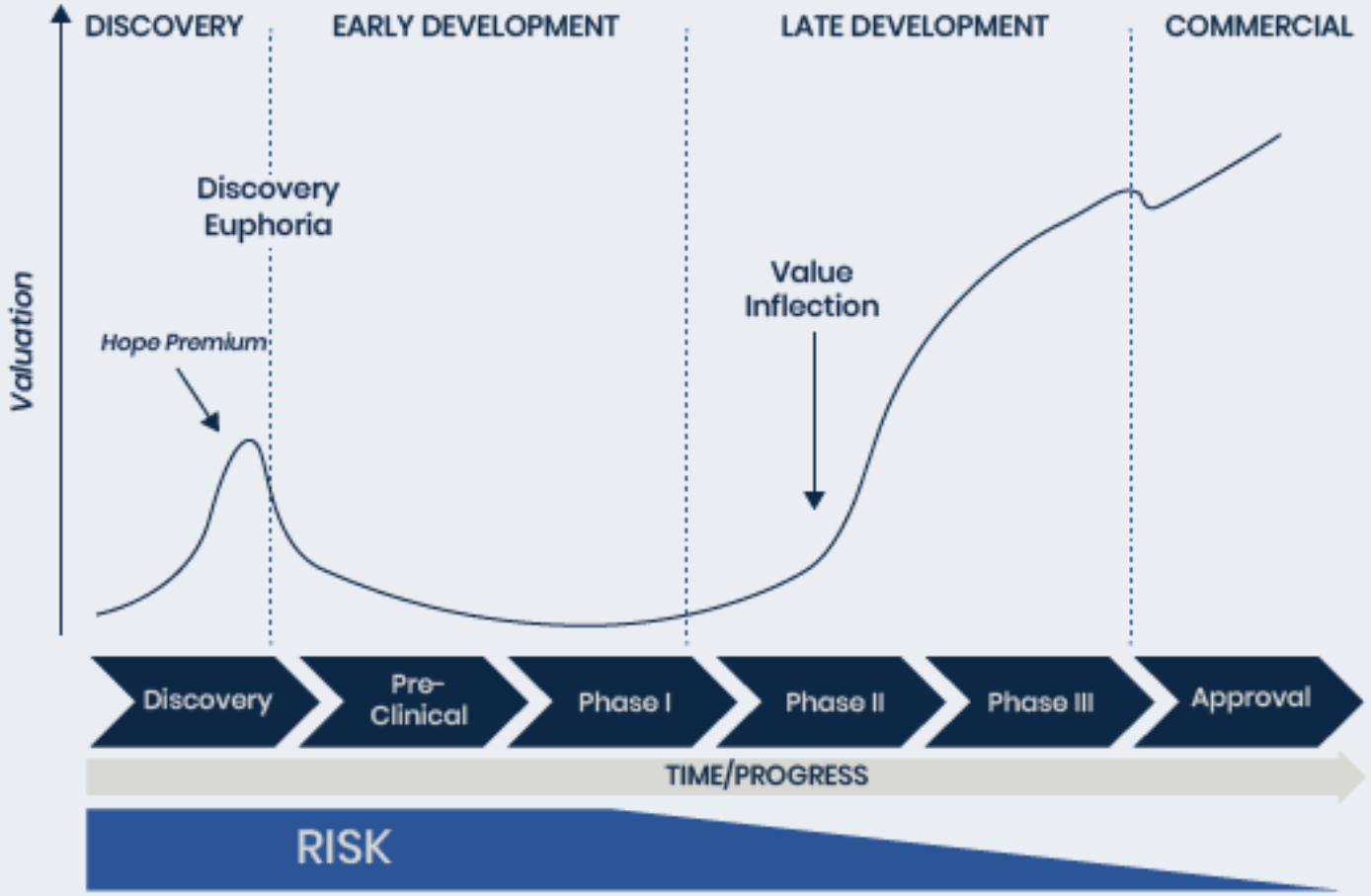
- Protection from cardiotoxicity (induced by anti-cancer drugs)
- Oncology
- Ischemic reperfusion injury – other organs
- Cardiac hypertrophy and fibrosis
- Pain management
- Epilepsy

### Xolatryp formulation:

- Current delivery is via intravenous infusion
- Work planned for an oral dose form



# Poised for Value Inflection





Source: Karst Peak Rx - www.kp-rx.com

# Financial Overview and Outlook

## FY2025 Highlights and FY2026 Outlook

- **Resources**
  - Cash balance of AU$7.92 million at 30 September 2025
  - Expected R&D rebate of AU$2.16 million (subject to Government Agency Review)
  - AU$8.25 million (before costs) in new equity capital raised in August 2025.
- **Programs**
  - Progressing Xolatryp into Phase IIa clinical trial
    - Targeted HREC submission November 2025
    - Targeted first patient dosing March 2026

## Operating Results Summary

| | FY2025 (AU$) | FY2023 (AU$) |
|---|---|---|
| R&D Costs | 4,376,215 | 2,030,502 |
| Corporate and admin expenses | 1,061,480 | 577,842 |
| Share-based payment expense | 177,218 | 358,074 |
| Professional services expense | 381,618 | 477,948 |
| Employment benefits expense | 1,225,077 | 1,127,500 |

# Conclusion

- **Nyrada – the company**
  - Pioneering TRPC channel inhibition therapies to treat a range of medical conditions
  - AU$7.92 million cash position at end Sep 2025
  - AU$8.25 million capital raised in Aug 2025
  - AU$2.16 million R&D rebated expected in Dec 2025

- **Xolatryp – the lead drug asset**
  - Solid scientific foundations and well understood mechanism of action
  - Composition of matter patent pending
  - Preclinical efficacy demonstrated in AMI, ischemic stroke, and traumatic brain injury (TBI)
  - Phase I (safety, tolerability, PK) clinical trial completed
  - Phase IIa (safety and efficacy) clinical trial pending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