



# Nyrada Inc.

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Investor Presentation  
August 2024

Improving Lives, Offering Hope

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

ASX:NYR

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# Nyrada's Expertise in Drug Development

- › Drug discovery and development company specialising in novel small molecule therapeutics.
- › Nyrada's lead drug candidate, NYR-BI03:
  - › demonstrated strong (preclinical) efficacy protecting the brain from secondary injury.
  - › currently undergoing Good Laboratory Practice safety and tolerability testing.
  - › preclinical TBI efficacy study with Walter Reed Army Institute of Research and UNSW currently in progress.
- › Commercially focused business model and expert team.





# Nyrada Investment Proposition

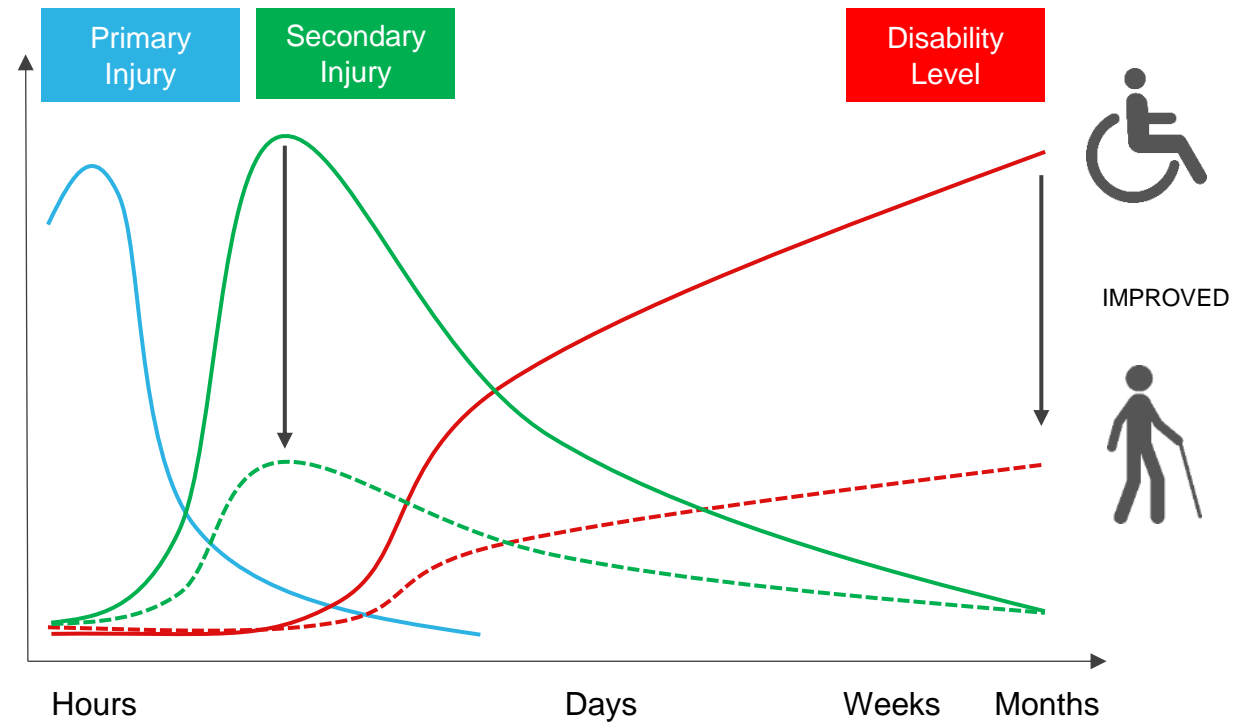
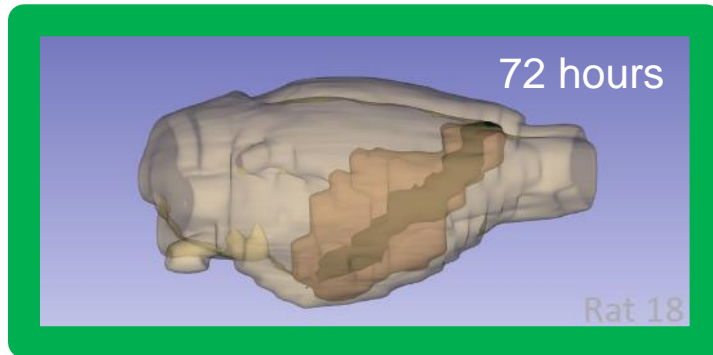
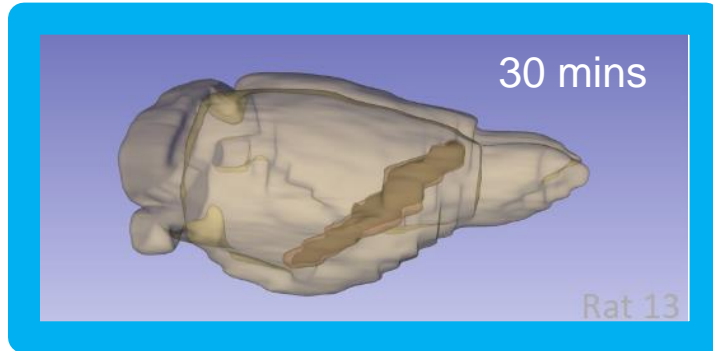
- › Brain injury program - significant target market and unmet clinical demand.
- › First-in-class neuroprotection therapy with novel mode of action.
- › Pioneering transient receptor potential canonical (TRPC) channel blocking therapies.
- › Collaborations with world leading institutions, Walter Reed Army Institute of Research (WRAIR) and UNSW Sydney.
- › Proven and globally experienced board and team.
- › Cash position of A\$4.77M at 30 June 2024.
- › Expected R&D rebate around December 2024.



# Brain Injury Trajectory, Patient Outcomes, Treatment Aims



## Serial reconstruction from MRI



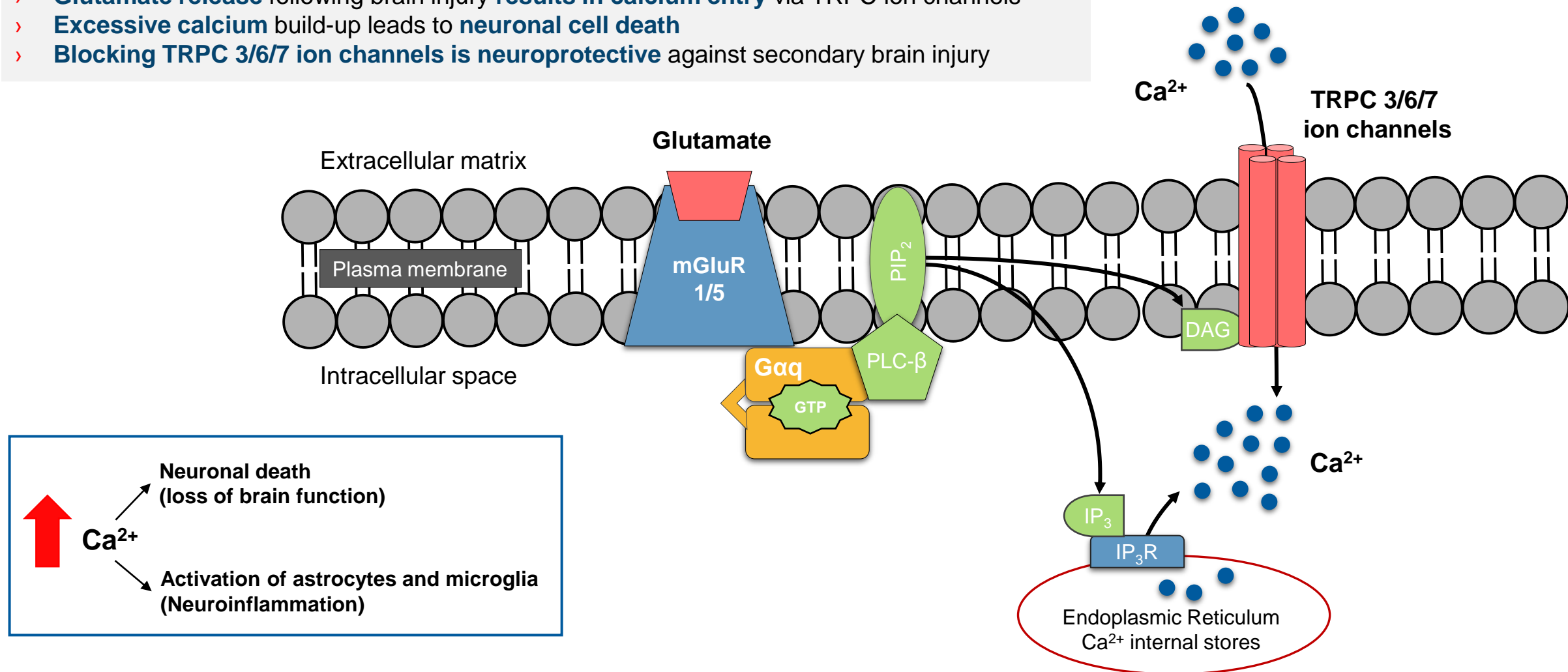
**Nyrada drug NYR-BI03**  
An acute 3-day intravenous treatment



- Reduce secondary injury resulting from stroke or TBI**
- Improve survivability, limit disability
  - Improve quality of life

# TRPC 3/6/7 Ion Channels as a Therapeutic Target

- > **Glutamate release** following brain injury **results in calcium entry** via TRPC ion channels
- > **Excessive calcium** build-up leads to **neuronal cell death**
- > **Blocking TRPC 3/6/7 ion channels is neuroprotective** against secondary brain injury



# Near Term Catalysts

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## NYR-BI03:

- › 2HCY2024 – Good Laboratory Practice (GLP) safety and tolerability study updates.
- › 3QCY2024 – Walter Reed (WRAIR) traumatic brain injury/UNSW pre-clinical efficacy study update.
- › 4QCY2024 – Human Research Ethics Committee application submission.
- › 4QCY2024 – First-in-human Phase I clinical trial.

# Brain Injury Program - Indicative Phase I Study Design

**OBJECTIVES** To assess the safety, tolerability, and pharmacokinetics of NYR-BI03

## DESIGN

- Randomised, double-blind placebo – controlled, dose escalation design
- 5 cohorts; 8 participants each cohort; 6:2 active and placebo treatments
- 3 cohorts will be single ascending doses
- 2 cohorts will be given continuous infusion doses

## PARTICIPANTS

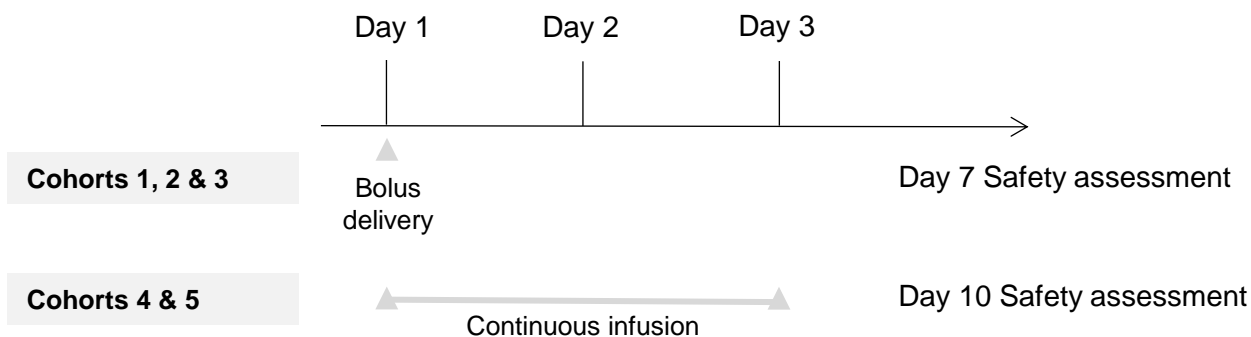
- Male and female healthy volunteers
- 18 – 50 years age



| Cohort number | Dose administered                      |
|---------------|--|
| 1             | Low dose single bolus                  |
| 2             | Medium dose single bolus               |
| 3             | High dose                              |
| 4             | Low dose continuous infusion (72 hrs)  |
| 5             | High dose continuous infusion (72 hrs) |

## LOCATION & DURATION

- Study will be conducted at a clinical trial centre in Australia 2H CY2024
- The study duration will vary between 1 – 4 days



\*trial design subject to ethics approval



# Contact Nyrada

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Brain Injury Solution  
Animation



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