



20 August 2024

Sydney, Australia

## Brain Injury Program GLP Studies Further Update #3

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### Highlights:

- Completed rat respiratory study provides additional data to support safety and tolerability of Nyrada's lead Brain Injury drug candidate.
  - Study was satisfactorily completed under Good Laboratory Practice (GLP) conditions.
  - Nyrada will continue to report on remaining GLP study results and remains on track to commence first in-human Phase I clinical trial for NYR-BI03 in late CY2024.
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**Nyrada Inc (ASX:NYR) ("Nyrada or "Company")**, a drug development company specialising in novel small molecule therapeutics provides an update on its Brain Injury program.

Nyrada is developing NYR-BI03, a first in class neuroprotection treatment for both traumatic brain injury (TBI) and stroke. In February 2024, the Company reported preclinical stroke study [results](#) showing NYR-BI03 provided a statistically significant level of neuroprotection, rescuing 42% of brain injury in the penumbra region in treated animals.

In late 3QFY2024 (quarter ending March 2024), Good Laboratory Practice (GLP) studies commenced to assess safety and tolerability of NYR-BI03. [In July 2024, Nyrada reported the results of hERG and AMES studies](#) and in [August 2024, Nyrada reported the results of rat CNS study](#). Today Nyrada can report that NYR-BI03 demonstrated safety and tolerability in a rat respiratory study.

This study evaluated the effects of NYR-BI03 on the respiratory system of rats. Respiratory rate and other measures of respiratory function (minute and tidal volumes) were evaluated, and dose-response relationships were identified so to assess how different levels of exposure affect the respiratory system.

Remaining GLP studies will be analysed and reported as they become available.

Subject to satisfactory completion of all GLP studies, Nyrada will submit a Human Research Ethics Application with the expectation of commencing its first in human Phase I clinical trial in late 2QFY2025 (quarter ending December 2024).



GLP Study	Reported
<a href="#">AMES</a>	<ul style="list-style-type: none"> <li>• 16 July 2024</li> </ul>
<a href="#">hERG</a>	<ul style="list-style-type: none"> <li>• 16 July 2024</li> </ul>
<a href="#">Rat CNS</a>	<ul style="list-style-type: none"> <li>• 06 August 2024</li> </ul>
Rat Respiratory	<ul style="list-style-type: none"> <li>• 20 August 2024</li> </ul>
<i>In vitro</i> micronucleus	
<i>In vivo</i> micronucleus	
Dog cardiovascular safety	
14-day Dog Toxicology	
14-day Rat Toxicology	

-ENDS-



## About Nyrada Inc

Nyrada is a drug discovery and development company specialising in novel small molecule therapies. The Company has two main programs, each targeting market sectors of significant size and considerable unmet clinical need. These are a drug to treat brain injury, specifically traumatic brain injury and stroke, and a cholesterol lowering drug. Nyrada Inc. ARBN 625 401 818 is a company incorporated in the state of Delaware, US, and the liability of its stockholders is limited.

[www.nyrada.com](http://www.nyrada.com)

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

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### Forward-Looking Statements

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