



6 August 2024

Sydney, Australia

Brain Injury Program GLP Studies Further Update #2

Highlights:

- Additional study provided further data to support safety and tolerability of Nyrada's lead Brain Injury drug candidate.
 - Rat CNS testing satisfactorily completed under Good Laboratory Practice (GLP) conditions for NYR-BI03.
 - 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 testing.](#) Today Nyrada can report that NYR-BI03 demonstrated safety and tolerability in a modified Irwin Rat CNS (central nervous system) test.

The Irwin CNS test is a method used to evaluate how a drug impacts the central nervous system. Researchers observe and record any changes in behaviour, movements, or activity levels. This helps determine if the drug causes any side effects related to the brain and nervous system, ensuring the drug's safety for further development. This test evaluated the effects of NYR-BI03 on the central nervous system by assessing neurological functions with escalating doses of NYR-BI03.

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



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

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).

Separately, the Walter Reed Army Institute of Research (WRAIR) preclinical traumatic brain injury study is also progressing with MRI analysis at UNSW Sydney having commenced.

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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.

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