

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549**

FORM 8-K

**CURRENT REPORT
Pursuant to Section 13 OR 15(d)
of The Securities Exchange Act of 1934**

Date of Report (Date of earliest event reported): August 14, 2023

CLENE INC.

(Exact name of registrant as specified in its charter)

Delaware

(State or Other Jurisdiction
of Incorporation)

001-39834

(Commission File Number)

85-2828339

(IRS Employer
Identification No.)

6550 South Millrock Drive, Suite G50

Salt Lake City, Utah

(Address of Principal Executive Offices)

84121

(Zip Code)

(801) 676-9695

(Registrant's telephone number, including area code)

N/A

(Former Name or Former Address, if Changed Since Last Report.)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Securities registered pursuant to Section 12(b) of the Act:

| Title of each class | Trading Symbol(s) | Name of each exchange on which registered |
|--|--------------------------|--|
| Common Stock, \$0.0001 par value | CLNN | The Nasdaq Capital Market |
| Warrants, to acquire one-half of one share of Common Stock for \$11.50 per share | CLNNW | The Nasdaq Capital Market |

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Item 2.02 Results of Operations and Financial Condition.

On August 14, 2023, Clene Inc. (the “Company”) issued a press release announcing its second quarter 2023 financial results and operating highlights for its quarter ended June 30, 2023. A copy of the press release is furnished as Exhibit 99.1 to this Current Report on Form 8-K and is incorporated herein by reference.

The information furnished in this Item 2.02, including Exhibit 99.1, shall not be deemed to be “filed” for purposes of Section 18 of the Securities Exchange Act of 1934 (the “Exchange Act”), as amended, or otherwise subject to the liabilities of that section, and shall not be deemed to be incorporated by reference into any filing made by the Company under the Exchange Act or the Securities Act of 1933 (the “Securities Act”), as amended, regardless of any general incorporation language in any such filings, except as shall be expressly set forth by specific reference in such a filing.

Item 7.01 Regulation FD Disclosure.

In connection with the August 14, 2023 press release announcing the Company’s second quarter 2023 financial results and operating highlights for its quarter ended June 30, 2023, the Company released an updated corporate presentation (the “Corporate Presentation”) on its website, invest.clene.com. A copy of the Corporate Presentation is furnished as Exhibit 99.2 to this Current Report and is incorporated herein by reference. The Company plans to use its website to disseminate future updates to the Corporate Presentation and may not file or furnish a Current Report on Form 8-K alerting investors if the Corporate Presentation is updated.

The information furnished in this Item 7.01, including Exhibit 99.2, shall not be deemed to be “filed” for purposes of Section 18 of the Exchange Act, as amended, or otherwise subject to the liabilities of that section, and shall not be deemed to be incorporated by reference into any filing made by the Company under the Exchange Act or the Securities Act, regardless of any general incorporation language in any such filings, except as shall be expressly set forth by specific reference in such a filing.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

| Exhibit Number | Exhibit Description |
|-----------------------|--|
| 99.1 | Press Release, dated August 14, 2023, announcing the Company's second quarter 2023 financial results and operating highlights. |
| 99.2 | Corporate Presentation. |
| 104 | Cover Page Interactive Data File (formatted as Inline XBRL). |

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, hereunto duly authorized.

CLENE INC.

Date: August 14, 2023

By: /s/ Robert Etherington
Robert Etherington
President and Chief Executive Officer

CLENE REPORTS SECOND QUARTER 2023 FINANCIAL RESULTS AND OPERATING HIGHLIGHTS

- Reported statistically significant reductions in plasma neurofilament light chain (NfL) levels compared to placebo at 24 weeks ($p=0.04$) in patients treated with CNM-Au8® in the HEALEY ALS Platform trial
- Announced publication of the results of the Phase 2 RESCUE ALS study and its open-label extension in the Lancet journal, eClinicalMedicine
- Received one year grant from the National Multiple Sclerosis Society (NMSS) that will fund Cohort 2 of REPAIR-MS, a Phase 2 clinical study investigating target engagement of CNM-Au8 in patients with non-active progressive MS
- Company expects multiple near-term data announcements that will further support benefit and safety of CNM-Au8 in people living with ALS
- Company is preparing for upcoming ALS regulatory discussions with FDA
- Cash, cash equivalents and marketable securities of \$49.2 million as of June 30, 2023, which includes gross proceeds of \$40 million from a recent public offering and that may provide additional capital up to \$130 million through future warrant exercises

SALT LAKE CITY, August 14, 2023 -- Clene Inc. (Nasdaq: CLNN) (along with its subsidiaries, “Clene”) and its wholly owned subsidiary Clene Nanomedicine Inc., a late clinical-stage biopharmaceutical company focused on revolutionizing the treatment of neurodegenerative diseases, including amyotrophic lateral sclerosis (ALS) and multiple sclerosis (MS), today announced its second quarter 2023 financial results and provided recent operating highlights for the clinical programs in ALS and MS.

“Our recent financing has strengthened our capital position and provided the runway needed to advance our ALS clinical program with upcoming engagement with regulatory agencies, the initiation of our global Phase 3 in ALS (RESTORE-ALS), and additional clinical trial data read-outs,” said Rob Etherington, President and CEO of Clene. “We look forward to additional long-term clinical data, including survival, time-to-clinical-worsening and additional biomarker data, from the HEALEY ALS Platform trial. We are actively preparing for ALS regulatory discussions with the FDA and EMA, with meetings anticipated later this year. Additionally, we plan to continue advancing our clinical program in MS, while pursuing prospective partnering opportunities in parallel.”

Second Quarter 2023 and Recent Operating Highlights

CNM-Au8, a gold nanocrystal suspension, for the treatment of ALS

- Results of the Phase 2 RESCUE ALS study and its open-label extension trial were published in the Lancet journal, eClinicalMedicine. The article can be accessed via the following link: <https://authors.elsevier.com/sd/article/S2589537023002134>.
- Clene reported that CNM-Au8 treatment demonstrated significantly reduced plasma NfL levels compared to placebo at 24 weeks ($p=0.04$). The results are based on an analysis of the plasma NfL biomarker across all Regimen C participants (CNM-Au8 or placebo, $n=161$) from the HEALEY ALS Platform trial.

CNM-Au8 for the treatment of MS

Clene received a one-year grant from NMSS that will fund Cohort 2 of REPAIR-MS, a Phase 2 clinical study investigating target engagement of CNM-Au8 in patients with non-active progressive MS. Using non-invasive brain imaging, the study will enroll up to 15 individuals with primary progressive or non-active secondary progressive MS and determine the effects of 12 weeks of daily oral dosing with CNM-Au8 on critical brain energy metabolites that have been shown to be compromised in individuals with MS.

Corporate Updates

On June 21, 2023, Clene announced the closing of its underwritten public offering. This financing raised gross proceeds of \$40 million with potentially up to an additional \$130 million in proceeds through future warrant exercises with expiration dates accelerated following the satisfaction of regulatory milestones. The investment was led by Vivo Capital with participation from Symbiosis, Acuta Capital Partners, AIGH Capital, Serrado Capital LLC and other new biotech investors, with support from existing investors.

Second Quarter 2023 Financial Results

Clene’s cash, cash equivalents and marketable securities totaled \$49.2 million as of June 30, 2023, compared to \$23.3 million as of December 31, 2022. Clene expects that its resources as of June 30, 2023, will be sufficient to fund its operations through mid-2024.

Research and development expenses were \$6.6 million for the quarter ended June 30, 2023, compared to \$9.2 million for the same period in 2022. The year-over-year decrease was primarily related to a decrease in expenses related to our lead drug candidate, CNM-Au8, due to a decrease in clinical trial expenses in our HEALEY ALS Platform Trial, RESCUE-ALS, REPAIR-MS, REPAIR-PD, and VISIONARY-MS clinical trials.

General and administrative expenses were \$3.9 million for the quarter ended June 30, 2023, compared to \$4.5 million for the same period in 2022. The year-over-year decrease was primarily attributable to decreases in directors' and officers' insurance fees and personnel expenses. These decreases were offset by an increase in finance and accounting fees, primarily due to increased fees from auditors, consultants, advisors and other financial vendors.

Total other expense was \$14.8 million for the quarter ended June 30, 2023, compared to total other income of \$9.1 million for the same period in 2022. The year-over-year increase in other expense was primarily attributable to an increase in interest expense, primarily due to increasing interest rates and increased amortization of debt discount and debt issuance costs on notes payable, changes in the fair value of contingent earn-out liabilities and changes in the fair value of common stock warrant liabilities offset by increased interest income. Additionally, in 2023 there was a loss on initial issuance of equity and charges for issuance costs related to the closing of the \$40 million underwritten public offering in June 2023 that did not occur in 2022.

Clene reported a net loss of \$25.1 million, or \$0.29 per share, for the quarter ended June 30, 2023, compared to a net loss of \$4.5 million, or \$0.07 per share, for the same period in 2022.

About Clene

Clene is a late clinical-stage biopharmaceutical company focused on revolutionizing the treatment of neurodegenerative diseases, including ALS and MS, by targeting energetic failure, an underlying cause of many neurological diseases. The company is based in Salt Lake City, Utah, with R&D and manufacturing operations in Maryland. For more information, please visit www.clene.com or follow us on [Twitter](#), [LinkedIn](#) and [Facebook](#).

About CNM-Au8®

CNM-Au8 is an oral suspension of gold nanocrystals developed to restore neuronal health and function by increasing energy production and utilization. The catalytically active nanocrystals of CNM-Au8 drive critical cellular energy producing reactions that enable neuroprotection and remyelination by increasing neuronal and glial resilience to disease-relevant stressors. CNM-Au8® is a federally registered trademark of Clene Nanomedicine, Inc.

Forward-Looking Statements

This press release contains "forward-looking statements" within the meaning of Section 21E of the Securities Exchange Act of 1934, as amended, and Section 27A of the Securities Act of 1933, as amended, which are intended to be covered by the "safe harbor" provisions created by those laws. Clene's forward-looking statements include, but are not limited to, statements regarding our or our management team's expectations, hopes, beliefs, intentions or strategies regarding our future operations. In addition, any statements that refer to projections, forecasts or other characterizations of future events or circumstances, including any underlying assumptions, are forward-looking statements. The words "anticipate," "believe," "contemplate," "continue," "estimate," "expect," "intends," "may," "might," "plan," "possible," "potential," "predict," "project," "should," "will," "would," and similar expressions may identify forward-looking statements, but the absence of these words does not mean that a statement is not forward-looking. These forward-looking statements represent our views as of the date of this press release and involve a number of judgments, risks and uncertainties. We anticipate that subsequent events and developments will cause our views to change. We undertake no obligation to update forward-looking statements to reflect events or circumstances after the date they were made, whether as a result of new information, future events or otherwise, except as may be required under applicable securities laws. Accordingly, forward-looking statements should not be relied upon as representing our views as of any subsequent date. As a result of a number of known and unknown risks and uncertainties, our actual results or performance may be materially different from those expressed or implied by these forward-looking statements. Some factors that could cause actual results to differ include our ability to demonstrate the efficacy and safety of our drug candidates; the clinical results for our drug candidates, which may not support further development or marketing approval; actions of regulatory agencies, which may affect the initiation, timing and progress of clinical trials and marketing approval; our ability to achieve commercial success for our drug candidates, if approved; our limited operating history and our ability to obtain additional funding for operations and to complete the development and commercialization of our drug candidates; and other risks and uncertainties set forth in "Risk Factors" in our most recent Annual Report on Form 10-K and any subsequent Quarterly Reports on Form 10-Q. In addition, statements that "we believe" and similar statements reflect our beliefs and opinions on the relevant subject. These statements are based upon information available to us as of the date of this press release, and while we believe such information forms a reasonable basis for such statements, such information may be limited or incomplete, and our statements should not be read to indicate that we have conducted an exhaustive inquiry into, or review of, all potentially available relevant information. These statements are inherently uncertain and you are cautioned not to rely unduly upon these statements. All information in this press release is as of the date of this press release. The information contained in any website referenced herein is not, and shall not be deemed to be, part of or incorporated into this press release.

Media Contact

Ignacio Guerrero-Ros, Ph.D., or David Schull

Russo Partners, LLC

Ignacio.guerrero-ros@russopartnersllc.com

David.schull@russopartnersllc.com

(858) 717-2310

Investor Contact

Kevin Gardner

LifeSci Advisors

kgardner@lifesciadvisors.com

617-283-2856

CLENE INC.
CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS AND COMPREHENSIVE LOSS
(In thousands, except share and per share amounts)
(Unaudited)

| | Three Months Ended June 30, | | Six Months Ended June 30, | |
|---|-----------------------------|------------|---------------------------|-------------|
| | 2023 | 2022 | 2023 | 2022 |
| Revenue: | | | | |
| Product revenue | \$ 226 | \$ 2 | \$ 290 | \$ 9 |
| Royalty revenue | 43 | 33 | 86 | 56 |
| Total revenue | 269 | 35 | 376 | 65 |
| Operating expenses: | | | | |
| Cost of revenue | 66 | — | 71 | — |
| Research and development | 6,615 | 9,166 | 14,010 | 17,746 |
| General and administrative | 3,924 | 4,464 | 7,363 | 9,250 |
| Total operating expenses | 10,605 | 13,630 | 21,444 | 26,996 |
| Loss from operations | (10,336) | (13,595) | (21,068) | (26,931) |
| Other income (expense), net: | | | | |
| Interest income | 213 | 61 | 385 | 85 |
| Interest expense | (1,104) | (751) | (2,170) | (1,533) |
| Gain on termination of lease | — | — | — | 420 |
| Commitment share expense | (3) | — | (402) | — |
| Issuance costs for common stock warrant liability | (333) | — | (333) | — |
| Loss on initial issuance of equity | (14,840) | — | (14,840) | — |
| Change in fair value of common stock warrant liabilities | (383) | 20 | (383) | 2 |
| Change in fair value of Clene Nanomedicine contingent earn-out liability | 1,165 | 8,310 | 1,110 | 8,253 |
| Change in fair value of Initial Stockholders contingent earn-out liability | 150 | 1,066 | 143 | 1,054 |
| Research and development tax credits and unrestricted grants | 341 | 356 | 655 | 655 |
| Other income (expense), net | (13) | (1) | (10) | 107 |
| Total other income (expense), net | (14,807) | 9,061 | (15,845) | 9,043 |
| Net loss before income taxes | (25,143) | (4,534) | (36,913) | (17,888) |
| Income tax benefit | — | — | — | — |
| Net loss | (25,143) | (4,534) | (36,913) | (17,888) |
| Other comprehensive loss: | | | | |
| Unrealized gain (loss) on available-for-sale securities | 6 | (37) | 20 | (87) |
| Foreign currency translation adjustments | (53) | (110) | (49) | (60) |
| Total other comprehensive loss | (47) | (147) | (29) | (147) |
| Comprehensive loss | \$ (25,190) | \$ (4,681) | \$ (36,942) | \$ (18,035) |
| Net loss per share – basic and diluted | \$ (0.29) | \$ (0.07) | \$ (0.46) | \$ (0.28) |
| Weighted average common shares used to compute basic and diluted net loss per share | 86,050,405 | 63,335,271 | 81,077,661 | 63,095,400 |

CLENE INC.
CONDENSED CONSOLIDATED BALANCE SHEETS
(In thousands, except share and per share amounts)
(Unaudited)

| | June 30, 2023 | December 31, 2022 |
|---|------------------|----------------------|
| ASSETS | | |
| Current assets: | | |
| Cash and cash equivalents | \$ 49,243 | \$ 18,332 |
| Marketable securities | — | 4,983 |
| Accounts receivable | 161 | 189 |
| Inventory | 52 | 43 |
| Prepaid expenses and other current assets | 3,915 | 5,648 |
| Total current assets | 53,371 | 29,195 |
| Restricted cash | 58 | 58 |
| Operating lease right-of-use assets | 4,383 | 4,602 |
| Property and equipment, net | 10,033 | 10,638 |
| TOTAL ASSETS | \$ 67,845 | \$ 44,493 |
| LIABILITIES AND STOCKHOLDERS' EQUITY | | |
| Current liabilities: | | |
| Accounts payable | \$ 846 | \$ 3,014 |
| Accrued liabilities | 4,298 | 3,863 |
| Operating lease obligations, current portion | 529 | 488 |
| Finance lease obligations, current portion | 62 | 74 |
| Notes payable, current portion | — | 6,418 |
| Total current liabilities | 5,735 | 13,857 |
| Operating lease obligations, net of current portion | 5,235 | 5,557 |
| Finance lease obligations, net of current portion | — | 34 |
| Notes payable, net of current portion | 16,017 | 9,483 |
| Convertible notes payable | 9,822 | 9,770 |
| Common stock warrant liabilities | 8,201 | — |
| Clene Nanomedicine contingent earn-out liability | 1,154 | 2,264 |
| Initial Stockholders contingent earn-out liability | 148 | 291 |
| TOTAL LIABILITIES | 46,312 | 41,256 |
| Commitments and contingencies | | |
| Stockholders' equity: | | |
| Common stock, \$0.0001 par value: 300,000,000 and 150,000,000 shares authorized at June 30, 2023 and December 31, 2022, respectively; 128,401,112 and 74,759,591 shares issued and outstanding at June 30, 2023 and December 31, 2022, respectively | 13 | 7 |
| Additional paid-in capital | 251,478 | 196,246 |
| Accumulated deficit | (230,132) | (193,219) |
| Accumulated other comprehensive income | 174 | 203 |
| TOTAL STOCKHOLDERS' EQUITY | 21,533 | 3,237 |
| TOTAL LIABILITIES AND STOCKHOLDERS' EQUITY | \$ 67,845 | \$ 44,493 |



clene.com

 clene™

NASDAQ: CLNN

Forward Looking Statements

This presentation contains “forward-looking statements” within the meaning of Section 21E of the Securities Exchange Act of 1934, as amended, and Section 27A of the Securities Act of 1933, as amended, which are intended to be covered by the “safe harbor” provisions created by those laws. Clene’s forward-looking statements include, but are not limited to, statements regarding our or our management team’s expectations, hopes, beliefs, intentions or strategies regarding our future operations. In addition, any statements that refer to projections, forecasts or other characterizations of future events or circumstances, including any underlying assumptions, are forward-looking statements. The words “anticipate,” “believe,” “contemplate,” “continue,” “estimate,” “expect,” “intends,” “may,” “might,” “plan,” “possible,” “potential,” “predict,” “project,” “should,” “will,” “would,” and similar expressions may identify forward-looking statements, but the absence of these words does not mean that a statement is not forward-looking. These forward-looking statements represent our views as of the date of this presentation and involve a number of judgments, risks and uncertainties. We anticipate that subsequent events and developments will cause our views to change. We undertake no obligation to update forward-looking statements to reflect events or circumstances after the date they were made, whether as a result of new information, future events or otherwise, except as may be required under applicable securities laws. Accordingly, forward-looking statements should not be relied upon as representing our views as of any subsequent date. As a result of a number of known and unknown risks and uncertainties, our actual results or performance may be materially different from those expressed or implied by these forward-looking statements. Some factors that could cause actual results to differ include our substantial dependence on the successful commercialization of our drug candidates, if approved, in the future; our inability to maintain the listing of our common stock on Nasdaq; our significant net losses and net operating cash outflows; our ability to demonstrate the efficacy and safety of our drug candidates; the clinical results for our drug candidates, which may not support further development or marketing approval; actions of regulatory agencies, which may affect the initiation, timing and progress of clinical trials and marketing approval; our ability to achieve commercial success for our drug candidates, if approved; our ability to obtain and maintain protection of intellectual property for our technology and drugs; our reliance on third parties to conduct drug development, manufacturing and other services; our limited operating history and our ability to obtain additional funding for operations and to complete the licensing or development and commercialization of our drug candidates; the impact of the COVID-19 pandemic on our clinical development, commercial and other operations; changes in applicable laws or regulations; the effects of inflation; the effects of staffing and materials shortages; the possibility that we may be adversely affected by other economic, business, and/or competitive factors; and other risks and uncertainties set forth in “Risk Factors” in our most recent Annual Report on Form 10-K and any subsequent Quarterly Reports on Form 10-Q. In addition, statements that “we believe” and similar statements reflect our beliefs and opinions on the relevant subject. These statements are based upon information available to us as of the date of this presentation, and while we believe such information forms a reasonable basis for such statements, such information may be limited or incomplete, and our statements should not be read to indicate that we have conducted an exhaustive inquiry into, or review of, all potentially available relevant information. These statements are inherently uncertain and you are cautioned not to rely unduly upon these statements. All information in this presentation is as of the date of this presentation. The information contained in any website referenced herein is not, and shall not be deemed to be, part of or incorporated into this presentation.

Building the Clinical Case for Neuroprotection & Remyelination

RepairPD
RepairMS



RESCUEALS



HEALEY ALS
Platform Trial



VISIONARY-MS
STUDY



Established brain target engagement in early PD and stable relapsing MS patients

CNM-Au8 demonstrated statistically significant survival benefit of 60% decreased risk of death through 120 wks

CNM-Au8 demonstrated a >90% reduction in risk of death or permanently assisted ventilation for the 30 mg dose at 24 weeks

CNM-Au8 demonstrated global neurological improvement in stable relapsing MS as an **adjunct** to immunomodulatory DMTs



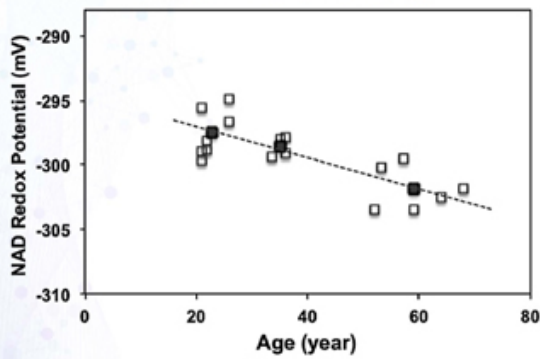
Growing Body of Clinical Evidence Across ALS and MS Supports CNM-Au8 Therapeutic Potential to Treat Neurodegenerative Diseases



Proprietary Nanotherapeutic Manufacturing
Strong IP: 150+ granted patents PLUS Trade Secrets

Neurodegenerative Diseases Share A Common Mechanism: A Decline In The Brain's Ability To Produce Energy

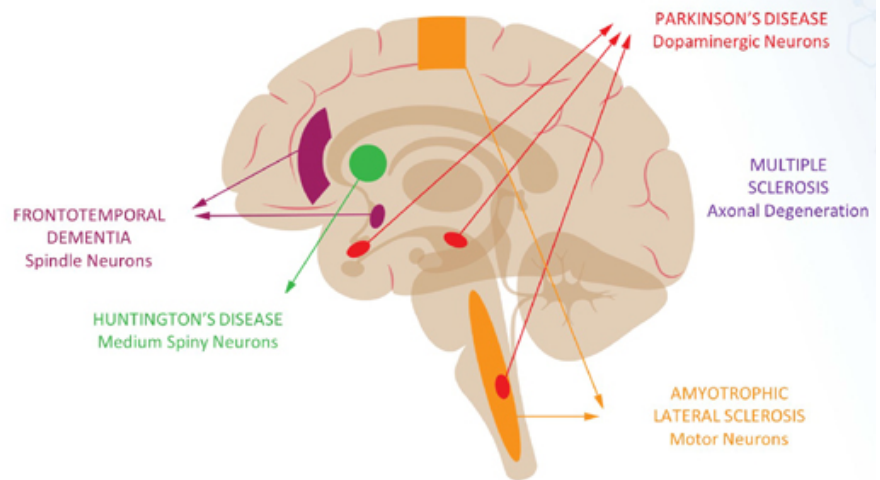
Brain Energy Potential
Declines With Normal Aging



~0.5% NAD⁺/NADH unit decline per decade
(~0.13 mV units per year by ³¹P-MRS Imaging)

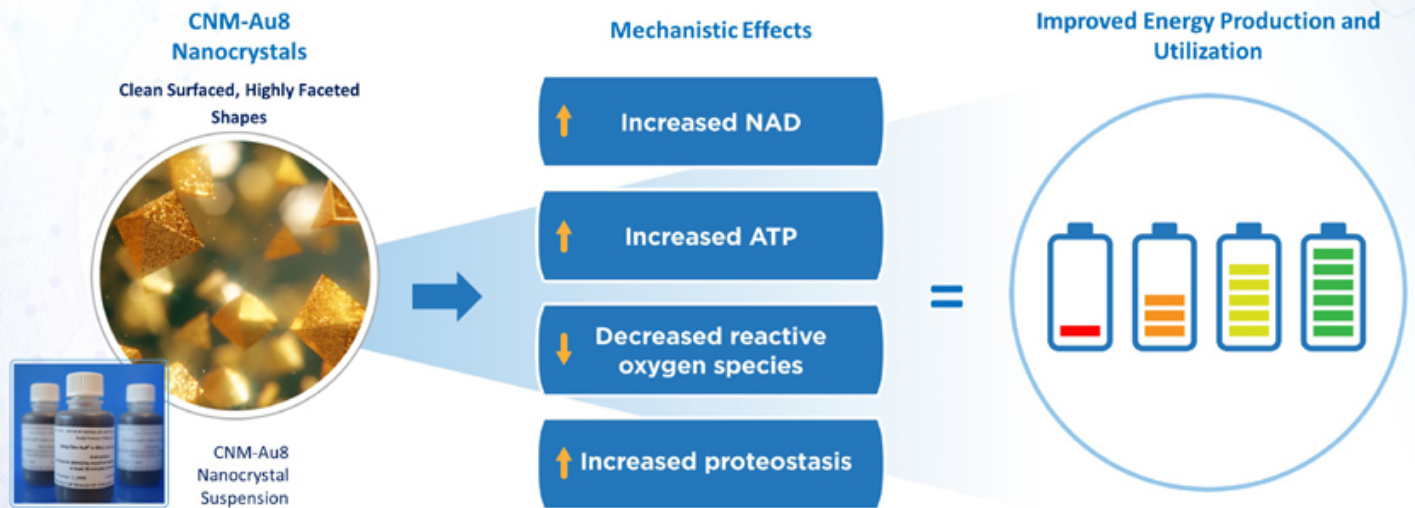
Closed squares = averaged data by age group: 21–26 yrs, 33–36 yrs, and 59–68 yrs old;
Open squares = individual subject values

Specific Neuronal Populations Are Vulnerable to Energetic Failure



Energetic impairments in the CNS both pre-dispose and drive
progression in neurodegenerative diseases

CNM-Au8[®] | Pioneering A New Drug Class To Improve Cellular Energy Production And Utilization



By targeting energy metabolism, CNM-Au8 may protect neuronal health

Significant Global Opportunity for Treatment in Combination with Standard of Care

Motor Neuron Disease

(ALS, Other Orphan Disorders)

ALS PATIENTS IN US & EU **~40K**  **\$1B** GLOBAL SALES BY 2029¹



Current drugs are largely ineffective, mostly generic.

2-5 YEARS LIFE EXPECTANCY  **100% FATAL**

Multiple Sclerosis (MS)

MS PATIENTS GLOBALLY **2.2M**  **\$23B** MARKET²



Existing treatments only target immunomodulation

EMERGING EVIDENCE THAT EARLY MS IS NEURODEGENERATIVE



Parkinson's Disease (PD)

2ND MOST COMMON DISORDER  **\$6B** PROJECTED BY 2026³



No disease-modifying treatments available, only symptom-targeted options

30% OF DOPAMINERGIC NEURONS ARE LOST AT DIAGNOSIS⁴ 

Urgent unmet need to develop neuroprotective treatment to support cells' energetic efficiency and resilience

Two REPAIR Trials Demonstrated Target Brain Engagement and Improved Energy Metabolism in Early Parkinson's and Stable Relapsing MS

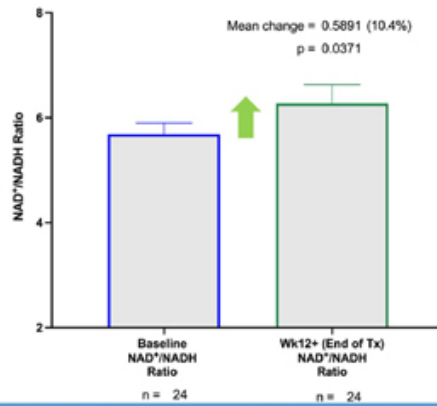
Results demonstrated a potentially meaningful 10% improvement in NAD⁺/NADH ratio, an essential molecule for energy production¹

Study Objective: to demonstrate target engagement for CNM-Au8 on CNS biomarkers related to energetic effects in the brain using Magnetic Resonance Spectroscopy (³¹P-MRS)

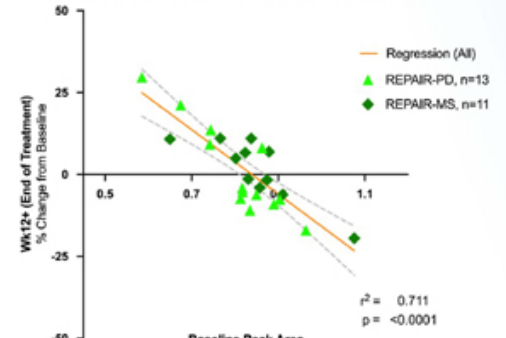
1° Endpoint (Integrated PD & MS)²

Exploratory
(ATP Normalization)

³¹P-MRS Change in Brain NAD⁺/NADH Ratio at End of Treatment
Partial Volume Coil; Ratio of NAD⁺/NADH (% Fraction of NAD⁺ / % Fraction NADH)
Primary Endpoint, Mean ± SEM (Paired t-test)



REPAIR Integrated Analysis
³¹P-MRS Change in β-ATP at End of Treatment
Full Volume Coil ³¹P Signal Area (Integral)
Exploratory Endpoint, Percent (%) Change vs. Baseline Value



RepairPD
Early Parkinson's Disease

RepairMS
Stable Relapsing MS

RepairMS
Non-Active Progressive MS
(Ongoing)

Study Objective:

Detect preservation of motor neuron function in people with early ALS as measured by MUNIX

Study Design:

36-week blinded treatment with ongoing long-term open-label follow-up

Primary Endpoint:
Spinal Cord
Lower Motor Neuron
Motor Unit Index
[MUNIX] Sum

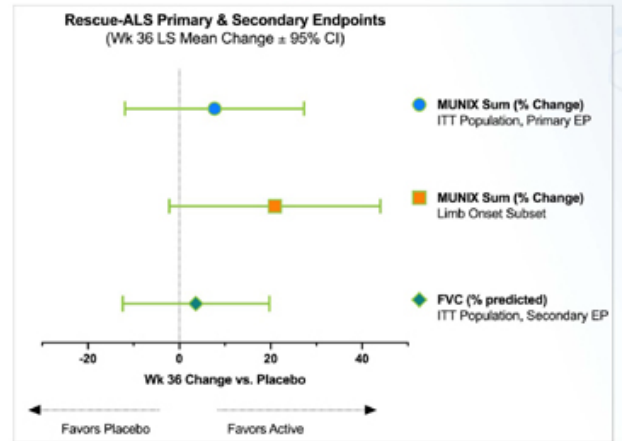
Siceps
brachii
+
Abductor
Pollicis
Brevis
+
Abductor
Digiti
Minimi
+
Tibialis
Anterior



Bulbar Onset
ALS
(Brainstem)

Limb Onset
ALS
(Spinal Cord)

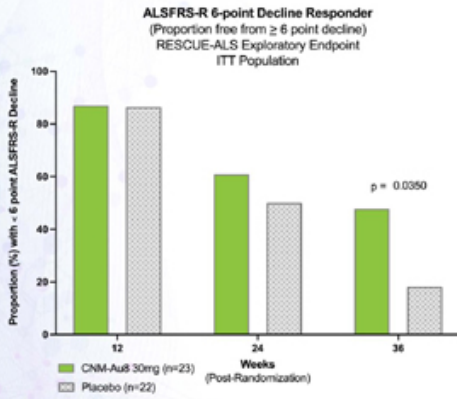
1° & 2° Endpoints



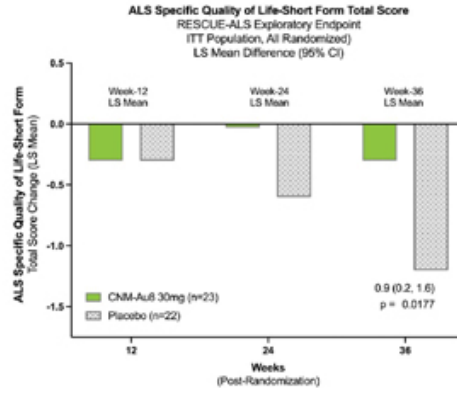
Results favor CNM-Au8 treatment

Phase 2 Study: 36-Week Placebo-Control Treatment Period 1:1 Randomization (Active 30 mg; Placebo); N=45 enrolled with early ALS

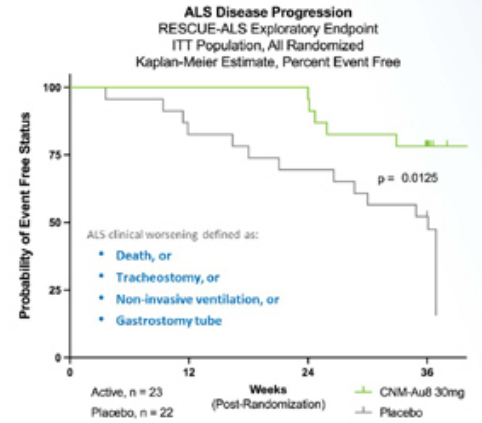
Proportion with <6 point decline



ALS Specific QOL

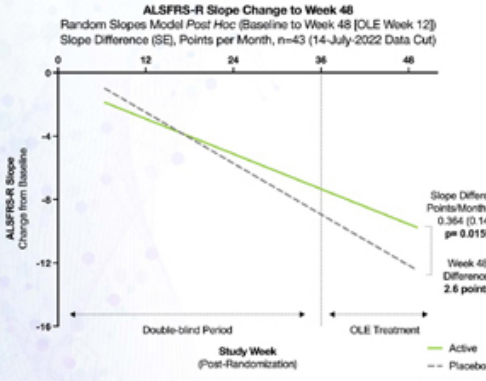


ALS Clinical Worsening

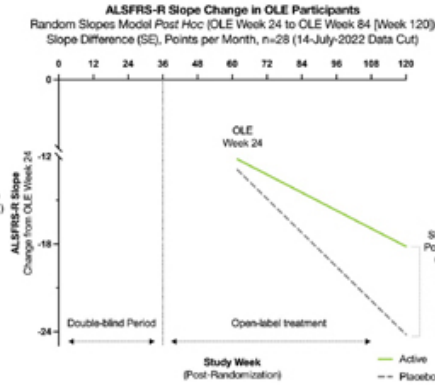


Early CNM-Au8 Treatment Impacts Long-Term Function Compared to Original Placebo

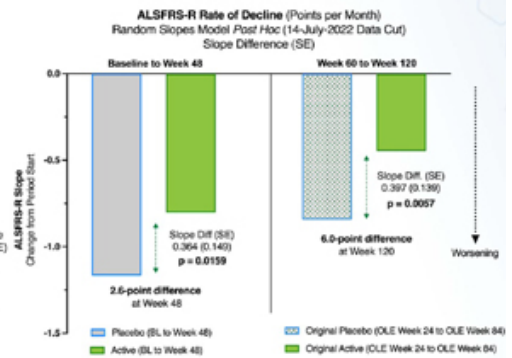
ALSFRS-R Slope
Baseline to Week 48



ALSFRS-R Slope
Week 60 [OLE Week 24] to Week 120



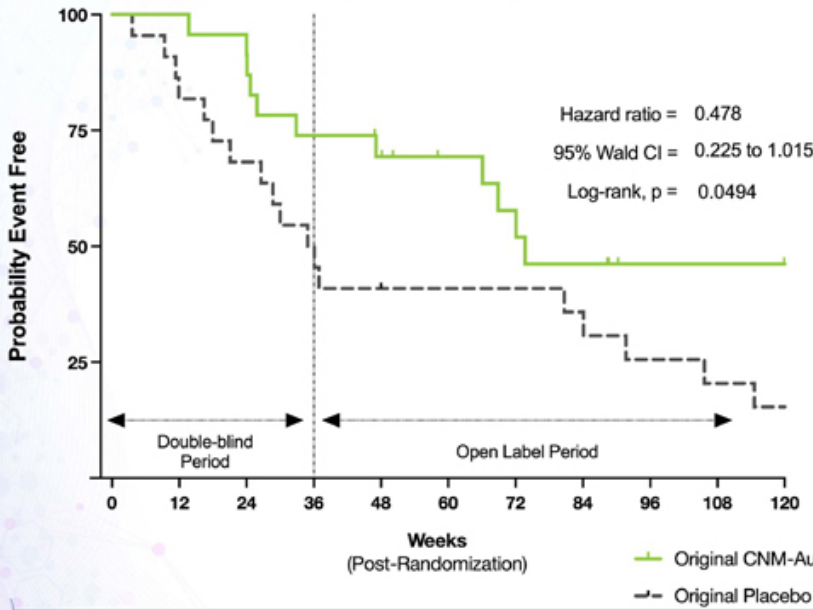
ALSFRS-R Slope
Summary



- CNM-Au8 preserved functional decline: ALSFRS-R of 2.6 points at 48 weeks compared to placebo
- Early CNM-Au8 treatment preserved long-term ALSFRS-R score by 6.0 points vs. OLE original placebo

OLE 12-month LPLV data cut of July 14, 2022.

Rescue-ALS OLE Disease Progression Events
 Proportion Event Free by Study Visit (14-July-2022 Data Cut)
 Kaplan-Meier Analyses



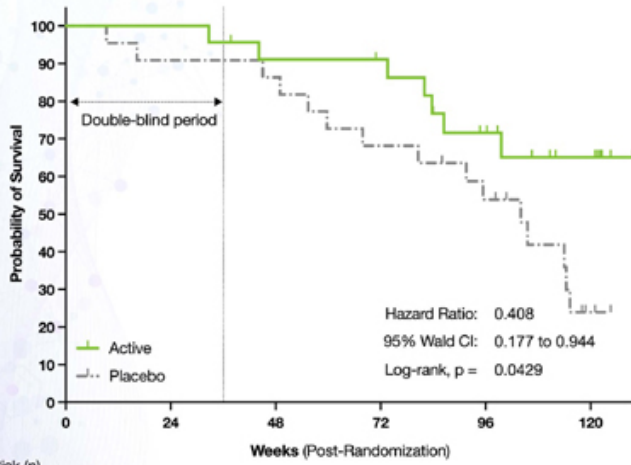
The risk of ALS clinical worsening was decreased ~50% for CNM-Au8 compared to placebo in OLE up-to-120 weeks

Clinical worsening events included:

- Death,
- Tracheostomy,
- Need for non-invasive ventilatory support, or
- Gastrostomy (feeding) tube placement.

Demonstrated Significant Impact on Long-Term Survival 60% Decreased Risk of Death through 120 weeks

Long-Term Survival (All-Cause Mortality): Originally Randomized Active vs. Placebo
Interim Analysis (14-July-2022), ITT Population, All Subjects from Randomization
(Long-term vital status including all study withdrawals)



| At Risk (n) | 0 | 24 | 48 | 72 | 96 | 120 |
|-------------|----|----|----|----|----|-----|
| CMM-Au8: | 23 | 23 | 20 | 19 | 13 | 7 |
| Placebo: | 22 | 20 | 19 | 15 | 11 | 3 |

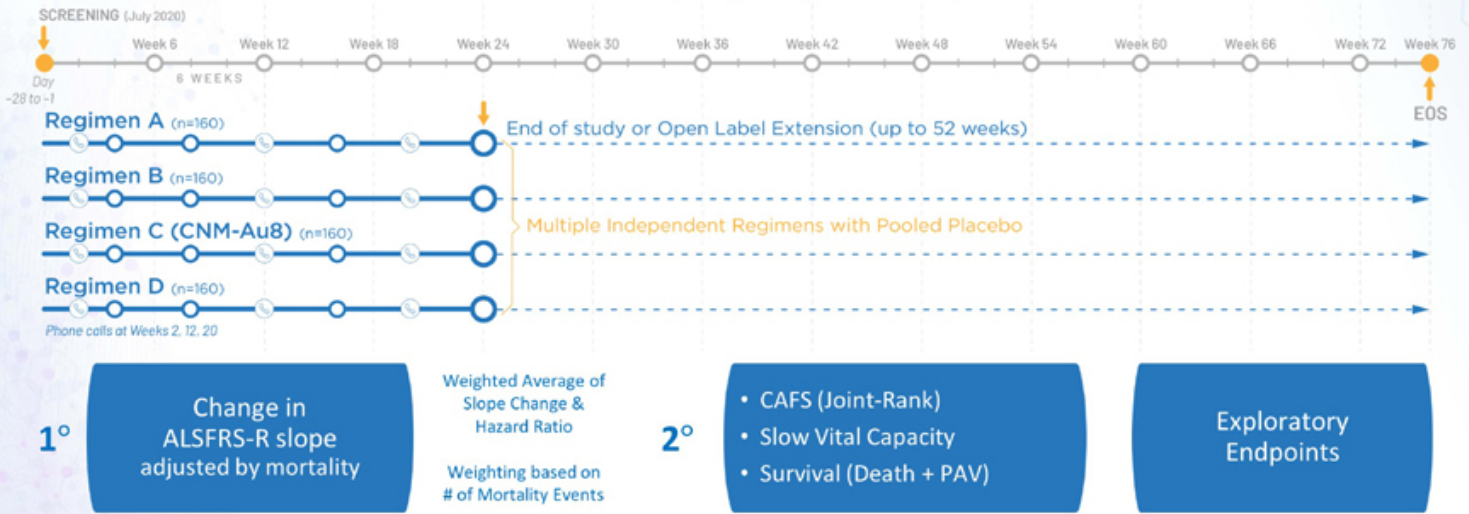
Early CNM-Au8 treatment demonstrated a significant survival benefit:

- Follow-up of active compared to initial placebo randomization*
- 60% decreased risk of death

*9-month delayed treatment start (ex-placebo) or no treatment

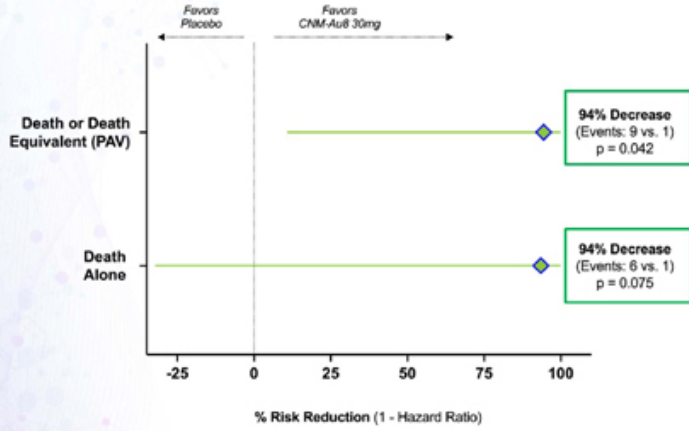
Time to all-cause mortality amongst participants originally randomized to CNM-Au8 compared to participants originally randomized to placebo through at least 12-months following the last patient last visit (14-July-2022). Vital status and date of death (as applicable) were captured for all subjects withdrawn from the study. Lost-to-follow-up (active, n=3; placebo, n=1) censored as of the date of last study contact. All OLE ex-placebo CNM-Au8 transitioned participants within the placebo group. All current active OLE subjects are right censored as of 14-July-2022.

24-Week Treatment Period (3:1 randomization, 120 active [30mg, 60mg]: 40 placebo)



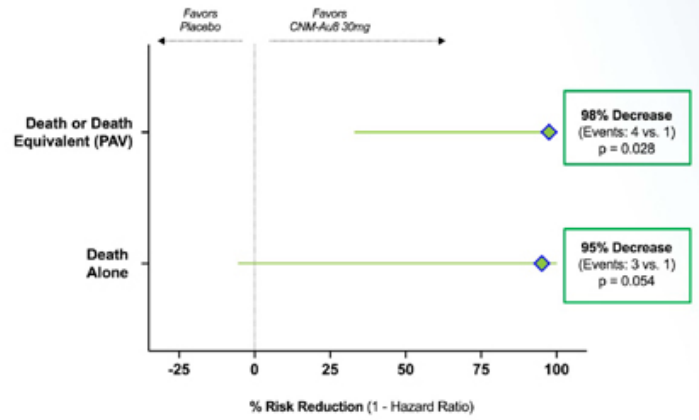
Shared Placebo Across Regimens

CNM-Au8 30mg Survival | Adjusted Cox Proportional Hazard
 Full Analysis Set (All Shared Placebo, Regimens A, B, C, D)
 % Hazard Reduction at Week 24
 (1 - Hazard Ratio, 95% Confidence Interval)



CNM-Au8 Regimen Only (Regimen C)

CNM-Au8 30mg Survival | Adjusted Cox Proportional Hazard
 Efficacy Regimen Only Set (Within Regimen Analysis)
 % Hazard Reduction at Week 24
 (1 - Hazard Ratio, 95% Confidence Interval)



PAV = Permanently Assisted Ventilation; Prespecified covariate adjustments include: (i) time from symptom onset, (ii) pre-baseline ALSFRS-R slope, (iii) riluzole use, (iv) edaravone use, (v) age. Events (placebo vs. active). p-values are not adjusted for multiple comparisons; exploratory analyses by dose.

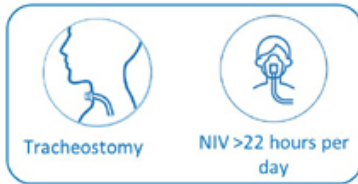
No evidence for treatment effect at 24 weeks for either adjusted ALSFRS-R change, CAFS, or SVC (combined 30 & 60 mg doses)

Time to Clinical Worsening Events

Death



Permanent Assisted
Ventilation



Hospitalization
ALS-Related and All-
Cause



Feeding Tube
Placement



Assisted
Ventilation



- Time to clinical worsening events were prespecified in the protocol and analysis plan
- p-values provided are uncorrected for multiple comparisons
- Since the primary outcome was negative, the results are hypothesis generating and not confirmatory
- Combined analyses of the 30mg and 60mg doses were prespecified for primary & secondary outcomes

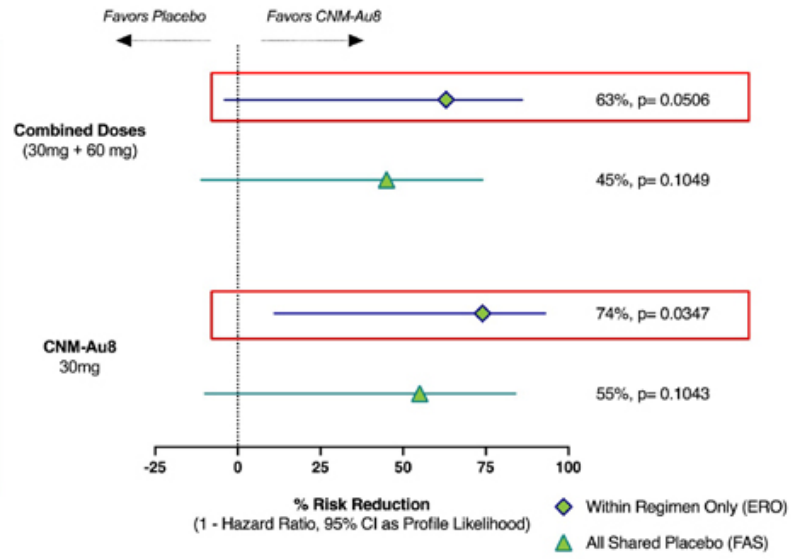
Delayed Time to ALS Clinical Worsening (Composite)

Clinical Worsening Composite (Time to First Instance)

- Death
- Tracheostomy
- Permanent Assisted Ventilation (NIV >22 hours per day)
- Feeding Tube Placement

Reduction in Time to ALS Clinical Worsening (Composite)

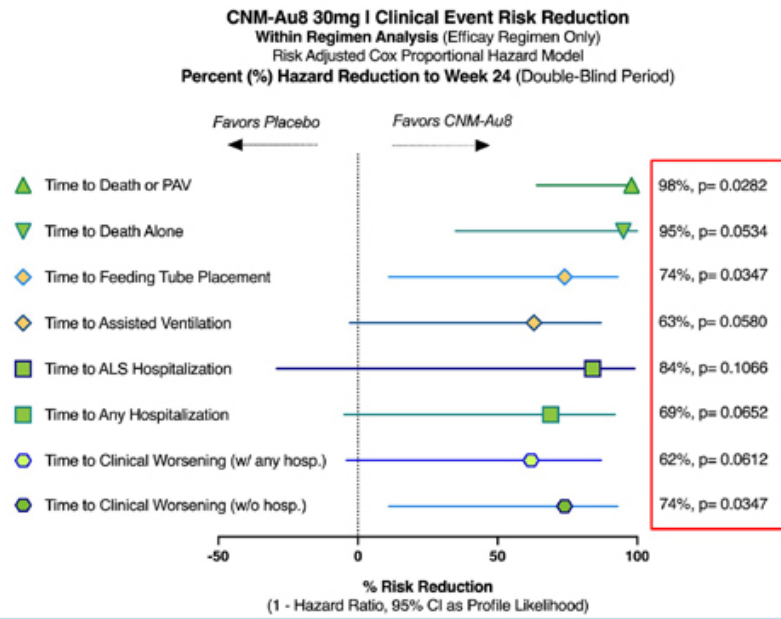
First Instance of Death, Tracheostomy, PAV, or Feeding Tube
Risk Adjusted Cox Proportional Hazard Model (Primary Covariate Model)
% Hazard Reduction to Week 24 (Double-Blind Period)



Prespecified covariate risk adjustments included: (i) time from symptom onset, (ii) pre-baseline ALSFRS-R slope, (iii) riluzole use, (iv) edaravone use.

For the within regimen (ERO) analysis, feeding tube placement was always the first initiating event for the composite.

CNM-Au8 30mg delayed time to clinical worsening at 6 months

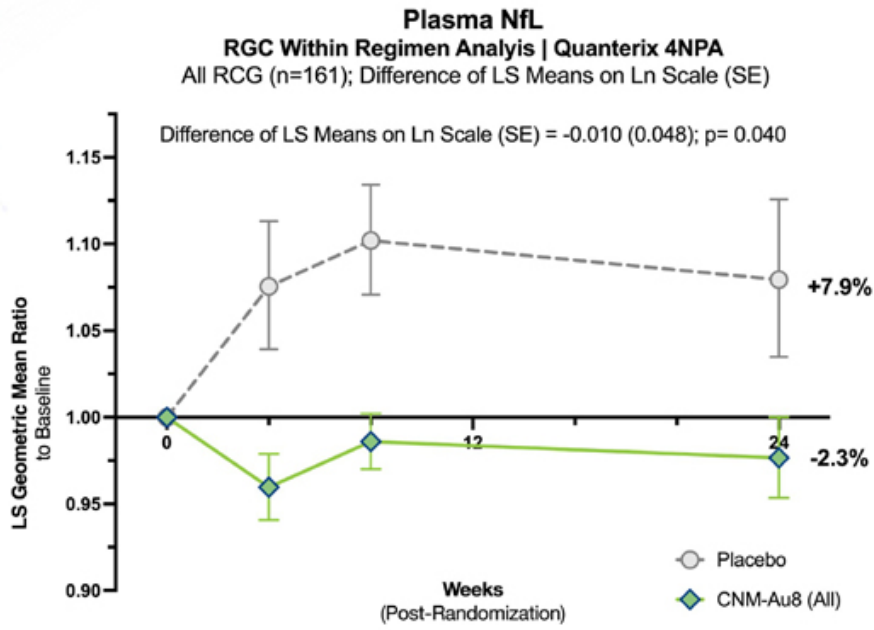


Supportive sensitivity analyses incorporating baseline neurofilament light chain (NfL) levels were similarly robust and resulted in increased effect sizes and smaller nominal p-values.

Prespecified covariate risk adjustments included: (i) time from symptom onset, (ii) pre-baseline ALSFRS-R slope, (iii) riluzole use, (iv) edaravone use.

Plasma NfL Difference | CNM-Au8 vs. Placebo

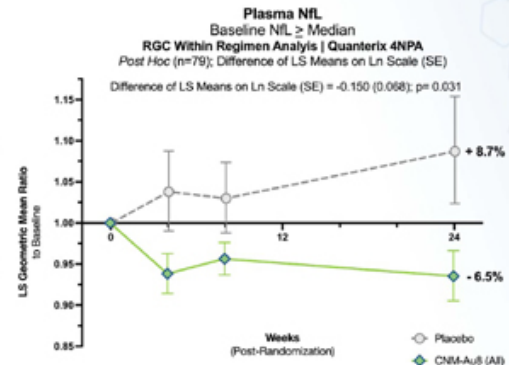
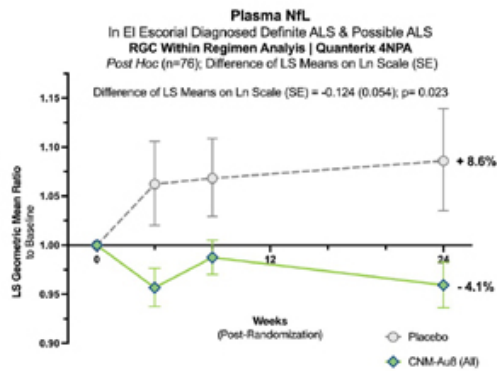
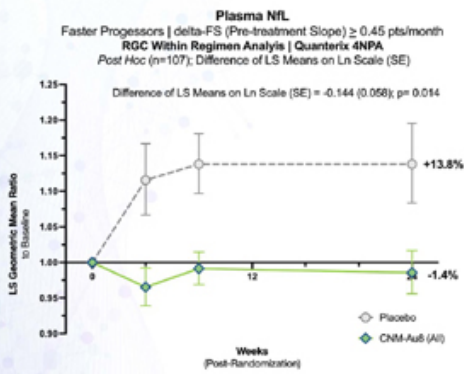
All RGC Participants



MMRM log NfL by group, contrast model; prespecified covariates included: (i) pre-treatment ALSFRS-R slope (delta-FS), (ii) months from symptom onset, (iii) use of riluzole, (iv) use of edaravone; (v) covariate by visit interaction, (vi) treatment by visit interaction

Consistent Plasma NfL Effect in Fast Progressors

Sensitivity *Post Hoc* | by Pretreatment delta-FS (ALSFRS-R Slope ≥ 0.45)



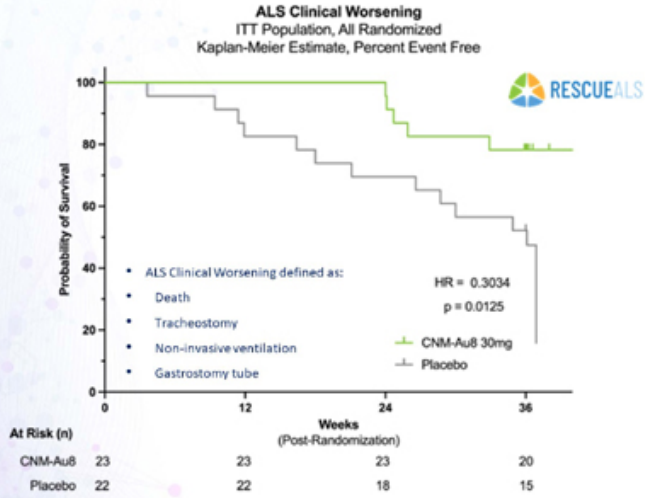
MMRM log NfL by group, contrast model; prespecified covariates included: (i) pre-treatment ALSFRS-R slope (delta-FS), (ii) months from symptom onset, (iii) use of riluzole, (iv) use of edaravone; (v) covariate by visit interaction, (vi) treatment by visit interaction

CNM-Au8 | ALS Clinical Worsening Summary

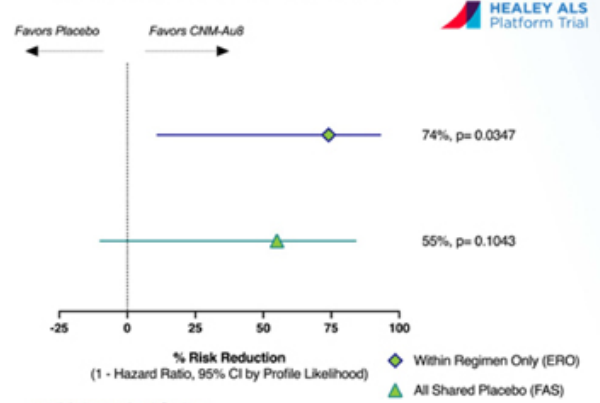
Evidence for Decreased Clinical Worsening Events Across Two Phase 2 Studies

Phase 2 RESCUE-ALS CNM-Au8 30mg
Decreased Time to Clinical Worsening

Phase 2 HEALEY ALS Platform CNM-Au8 30mg
Decreased Time to Clinical Worsening



CNM-Au8 30mg | Reduction in Time to ALS Clinical Worsening
First Instance of Death, Tracheostomy, Permanent Assisted Ventilation, or Feeding Tube
Risk Adjusted Cox Proportional Hazard Model (Primary Covariate Model)
% Hazard Reduction to Week 24 (Double-Blind Period)



ALS Clinical Worsening defined as:

- Death
- Tracheostomy
- Permanent Assisted Ventilation (PAV)
- Gastrostomy tube



CNM-Au8 Has Demonstrated ALS Survival Benefit at 30 mg Dose in Two Phase 2 Studies

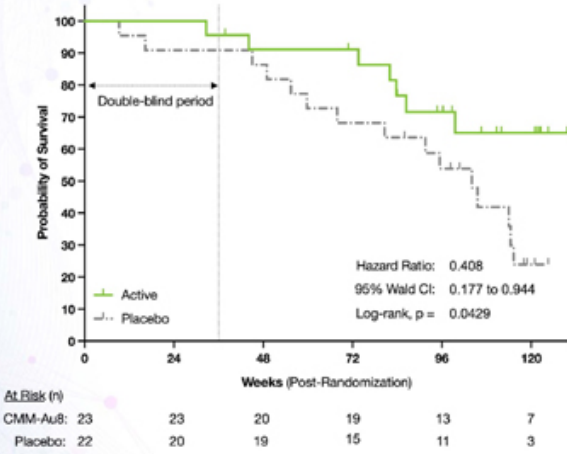


60% decreased risk of death through 120 weeks

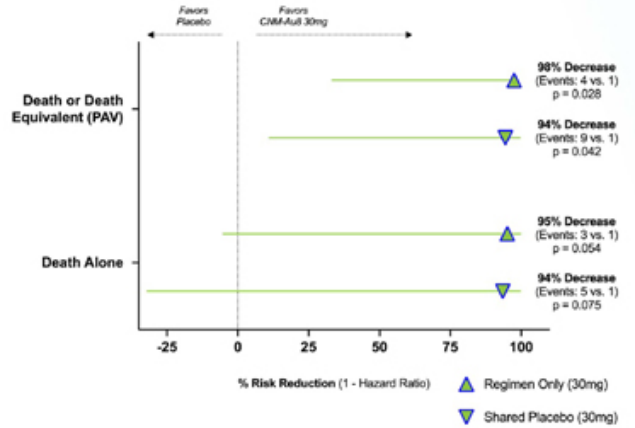


>90% risk reduction of death at 30mg at 24 weeks

Long-Term Survival (All-Cause Mortality): Originally Randomized Active vs. Placebo
Interim Analysis (14-July-2022), ITT Population, All Subjects from Randomization
(Long-term vital status including all study withdrawals)



CNM-Au8 30mg | Adjusted Cox Proportional Hazard Ratio
% Risk Reduction at Week 24
(1 - Adjusted Hazard Ratio, 95% Confidence Interval)



Promising Evidence from Two Phase 2 Trials and Long-Term Data

CNM-Au8 Demonstrated Survival, Delayed Clinical Worsening, and Preserved Function



| | RESCUE-ALS | RESCUE-OLE | HEALEY ALS Platform | HEALEY OLE | EAP |
|------------------------------------|--------------------|--------------------|---------------------|-------------------------|-------------------------|
| ALS Patient Demographics | Early-to-Mid-Stage | Early-to-Mid-Stage | Mid-to-Late-Stage | Mid-to-Late-Stage | Real-World Experience |
| Duration | 36-weeks | Up to 173 weeks | 24-weeks | Through April'23 | Up to 3.8 years |
| Survival | -- | ✓ | ✓ | Pending data 2H 2023 | ✓ |
| Delayed Time to Clinical Worsening | ✓ | ✓ | ✓ | | Not routinely collected |
| Preserved Function (ALSFRS-R) | -- | ✓ | -- | | |
| Progression Biomarkers | p75 trend | UCHL1 ↓* | ✓ | | |

• Consistent Evidence for CNM-Au8 30mg Dose Across Broad ALS Patient Population Supports Global ALS Event-Driven Phase 3 Trial

ALS Summary | CNM-Au8 Has Demonstrated Survival Benefit and Delayed Time to Clinical Worsening and Functional Decline



Significant Opportunity

- ALS remains a devastating and fatal disease within ~3 to 5 years of diagnosis—a significant unmet need



CNM-Au8® Clinical Results



- Demonstrated significant ALS survival benefit at 30 mg dose in two phase 2 studies
- Preserved ALSFRS-R functional decline with long-term follow-up in RESCUE-ALS OLE:
 - 2.6 points slower decline at 48 weeks vs. placebo ($p=0.159$)
 - 6.0 points slower decline vs to OLE original placebo ($p=0.0057$)
- 74% lower risk of time to clinical worsening at 6 months in the Healey ALS Platform Trial ($p = 0.035$)



Global Phase 3 ALS Trial

- RESCUE-ALS and Healey ALS Platform Trial results support advancement to Phase 3 RESTORE-ALS with the 30 mg dose

HEALEY ALS Platform Safety Summary

- Occurrence of TEAEs were balanced between CNM-Au8 and placebo
- No SAEs were assessed as related to CNM-Au8

| Treatment Emergent Adverse Events (TEAEs) | All Shared Placebo (%) | Regimen Placebo (%) | CNM-Au8 30 mg (%) | CNM-Au8 60 mg (%) |
|---|------------------------|---------------------|-------------------|-------------------|
| Participants with Any TEAE | 90% | 93% | 92% | 93% |
| Participants with Related TEAEs | 39% | 34% | 29% | 43% |
| Participants with SAE | 9% | 17% | 10% | 16% |
| Participants with Related SAEs | 1% | 2% | 0% | 0% |
| Participants Withdrawn due to TEAE | 7% | 7% | 7% | 7% |

All Shared Placebo (n=164 placebo from Regimens A, B, C, D); Regimen placebo (n=41) includes only concurrent randomization within Regimen C (CNM-Au8)

VISIONARY-MS STUDY Core Design Elements

Phase 2 Study: 48-Week Placebo-Control Treatment Period 2:1 Randomization (Active [15mg, 30 mg]: Placebo)



- Enrolled stable relapsing remitting MS participants with chronic optic neuropathy on background DMTs
- n=73 of 150 planned (~50%) study ended prematurely due to COVID-19 pandemic enrollment challenges
- Pre-specified statistical threshold set at $p=0.10$
- CNM-Au8 Open Label Extension (OLE) for original active and placebo continues for up-to-96 weeks

1°

Change in Low Contrast Letter Acuity (LCLA)



2°

Change in modified MS Functional Composite (mMSFC)



9HPT



SDMT



T25FWT



LCLA

Baseline Demographics and Study Analysis

- All participants diagnosed with stable relapsing remitting MS with chronic optic neuropathy
- 92% treated with background DMTs (inc 53% monoclonal antibodies, 32% oral)
- Modified ITT (mITT) Analysis Population

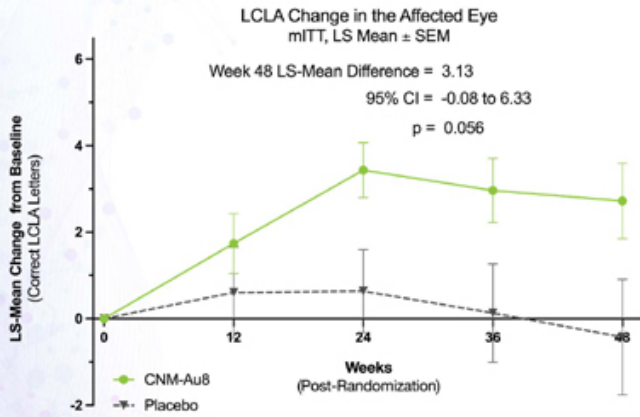
| Baseline Value mean (sd) | Age (yrs) | Sex n, (%) Female | Race n, (%) White | Weight (kg) | EDSS Score | Years from Dx | Months Since Relapse |
|-----------------------------|----------------|-------------------------|-------------------------|----------------|---------------|------------------|-------------------------|
| CNM-Au8 15 mg (n=24) | 38.4 (10.2) | 15 (63%) | 23 (96%) | 78.0 (17.1) | 1.83 (1.3) | 6.5 (5.0) | 53 (57) |
| CNM-Au8 30 mg (n=25) | 39.6 (7.6) | 16 (64%) | 24 (96%) | 78.6 (17.3) | 1.50 (1.1) | 3.4 (3.3) | 37 (35) |
| Placebo (n=24) | 38.1 (8.3) | 20 (83%) | 22 (92%) | 83.0 (23.3) | 1.85 (1.4) | 6.6 (3.7) | 57 (38) |
| All Participants (n=73) | 38.7 (8.6) | 51 (70%) | 69 (95%) | 79.9 (19.3) | 1.75 (1.5) | 5.5 (4.3) | 49 (45) |

CNM-Au8 Demonstrated Vision and Global Neurological Improvement in Stable MS patients on DMTs

Significantly Improved Vision



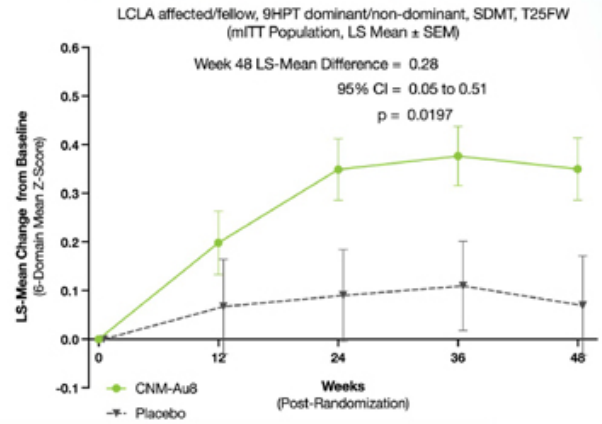
Change in Low Contrast Letter Acuity (LCLA)



Global Neurological Improvement



Change in modified MS Functional Composite (mMSFC)

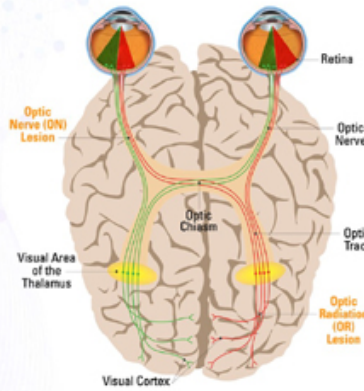


Global neurological clinical improvement was driven by cognition, manual dexterity, and low contrast letter acuity

VISIONARY-MS Measures of Axonal Integrity

Visual Evoked Potentials (VEP)

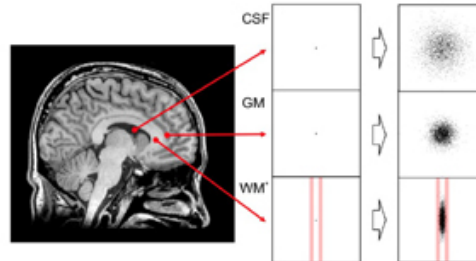
Multi-focal Amplitude and Latency Changes



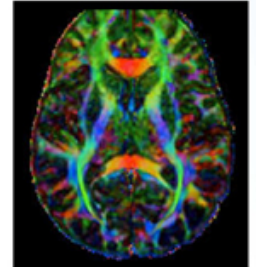
Advanced MRI Techniques

Diffusion Tensor Imaging (DTI) changes

Fractional Anisotropy



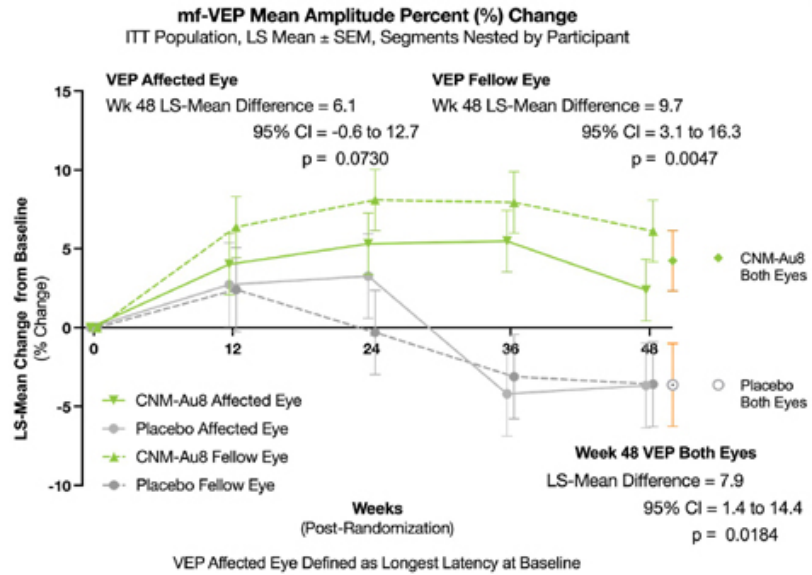
Brain Diffusivity



What Happens in the Visual System Happens Throughout the MS Brain

CNM-Au8 Improved Information Signal in the Visual Pathway

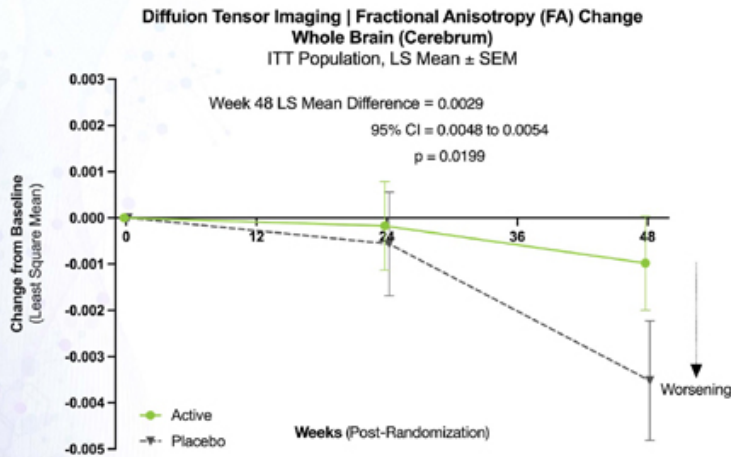
Increased Amplitude
(Signal Strength)
From the Eye to the Brain's
Visual Cortex



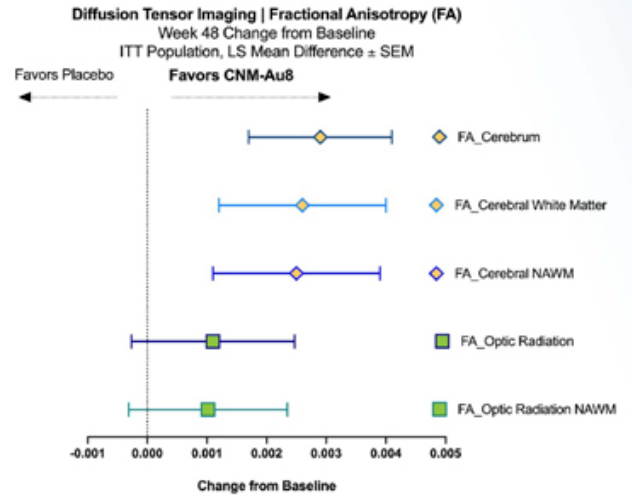
Increased VEP amplitude is associated with improved axonal integrity; provides evidence that previously impaired neurons can contribute to information signaling after treatment

CNM-Au8 Preserved White Matter Integrity Throughout the Brain

Preserved Whole Brain White Matter Integrity



Consistent Effect Across All Brain Regions



Preservation of white matter integrity associated with decreased cognitive and functional decline in MS patients

Summary | Consistent Paraclinical Evidence of Neuroprotective Effects Favoring CNM-Au8 Treatment

| Paraclinical Endpoint | Paraclinical Measure LS Mean Change – Week 48 | Significance | Key Findings | Implications |
|--|--|--------------|--|---|
| Diffusion Tensor Imaging (DTI) measure of Fractional Anisotropy (FA) | FA within the whole brain (Cerebrum) | $p = 0.0199$ | Improvements of axonal integrity and neuronal structure across the brain | Neuroprotection and preservation of white matter integrity associated with decreased cognitive and functional decline |
| | FA within total Cerebral White Matter | $p = 0.0805$ | | |
| | FA within total Cerebral Normal Appearing White Matter | $p = 0.0823$ | | |
| Multi-focal Visual Evoked Potential (mf-VEP) | Amplitude percent change across both eyes | $p = 0.0184$ | Improved information signal along the visual pathway | Neuronal preservation and improved information signal from previously impaired neurons |
| | Amplitude percent change in the most affected eye at baseline | $p = 0.0730$ | | |
| | Amplitude percent change in the least affected eye at baseline | $p = 0.0047$ | | |

Critical unmet need in MS for treatments that protect neuronal function independently of immunomodulation to decrease disease progression

CNM-Au8 treatment was safe and well-tolerated

- Treatment emergent adverse events (TEAEs) were transient and predominantly mild-to-moderate
- No dose limiting adverse events; no related serious adverse events

| Treatment Emergent Adverse Events (TEAEs) | Placebo number (%) | CNM-Au8 15 mg number (%) | CNM-Au8 30 mg number (%) |
|---|--------------------|--------------------------|--------------------------|
| Subjects with any TEAE | 22 (92%) | 21 (88%) | 25 (100%) |
| Subjects with SAE | 2 (8%) | 1 (4%) | 2 (8%) |
| Subjects with Related TEAEs | 2 (8%) | 2 (8%) | 5 (20%) |
| Subjects Discontinued due to TEAE | 1 (4%) | -- | 1 (4%) |

Placebo SAEs: (1) Lentigo maligna melanoma, (2) pregnancy; **CNM-Au8 15mg SAEs:** (1) Pneumonia, bacteremia (staph aureus), endocarditis; **30mg SAEs:** (1) Ketamine infusion for pain and paracetamol overdose; (2) deep vein thrombosis (6-months post-discontinuation)

CNM-Au8



CNM-Au8 is Consistently Favored for Treatment of MS Progression Independent of an Immunomodulatory Effect



Significant Opportunity

- MS patients continue to progress with increasing cognitive and functional deficits accumulating even while receiving disease-modifying therapies—a significant unmet medical need



CNM-Au8® Clinical Results

- Significant improvements in clinical outcomes, brain structure, and visual system on top of immunomodulatory standard of care therapy
- Paraclinical MRI and VEP improvements support clinical benefits, consistently favoring CNM-Au8



Global Phase 3 MS Trial

- Phase 2 VISIONARY-MS safety and efficacy results support advancement to Phase 3

Over 400 Years of Subject Exposure Without Identified Safety Signals Across ALS, MS, and PD

Clean Toxicology Findings

All Animal Toxicology Studies Resulted in No-Adverse Effect Level (NOAEL) Findings

- Multiple species up to 9-months treatment
- Up to maximum feasible dosing without any toxicology findings related to CNM-Au8

Well Tolerated Adverse Event (AE) Profile

Assessed as Predominantly Mild-to-Moderate Severity and Transient

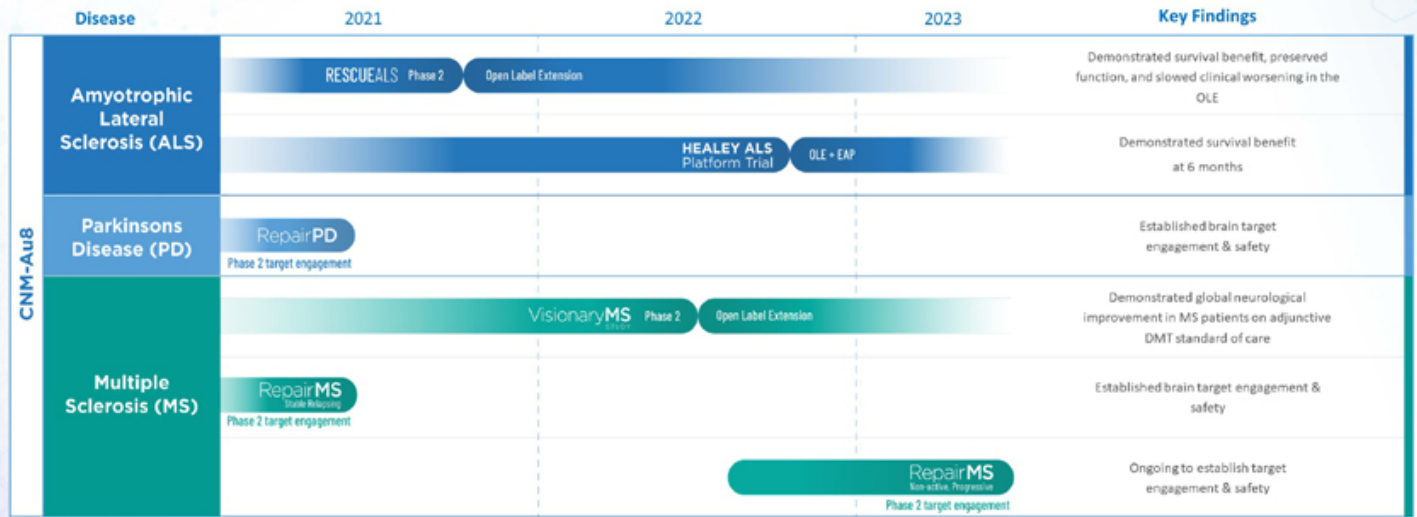
- No SAEs related to CNM-Au8 considered severe, life-threatening, or resulting in death
- AEs transient and predominantly mild-to-moderate severity

Patient Exposure Across ALS, MS & PD

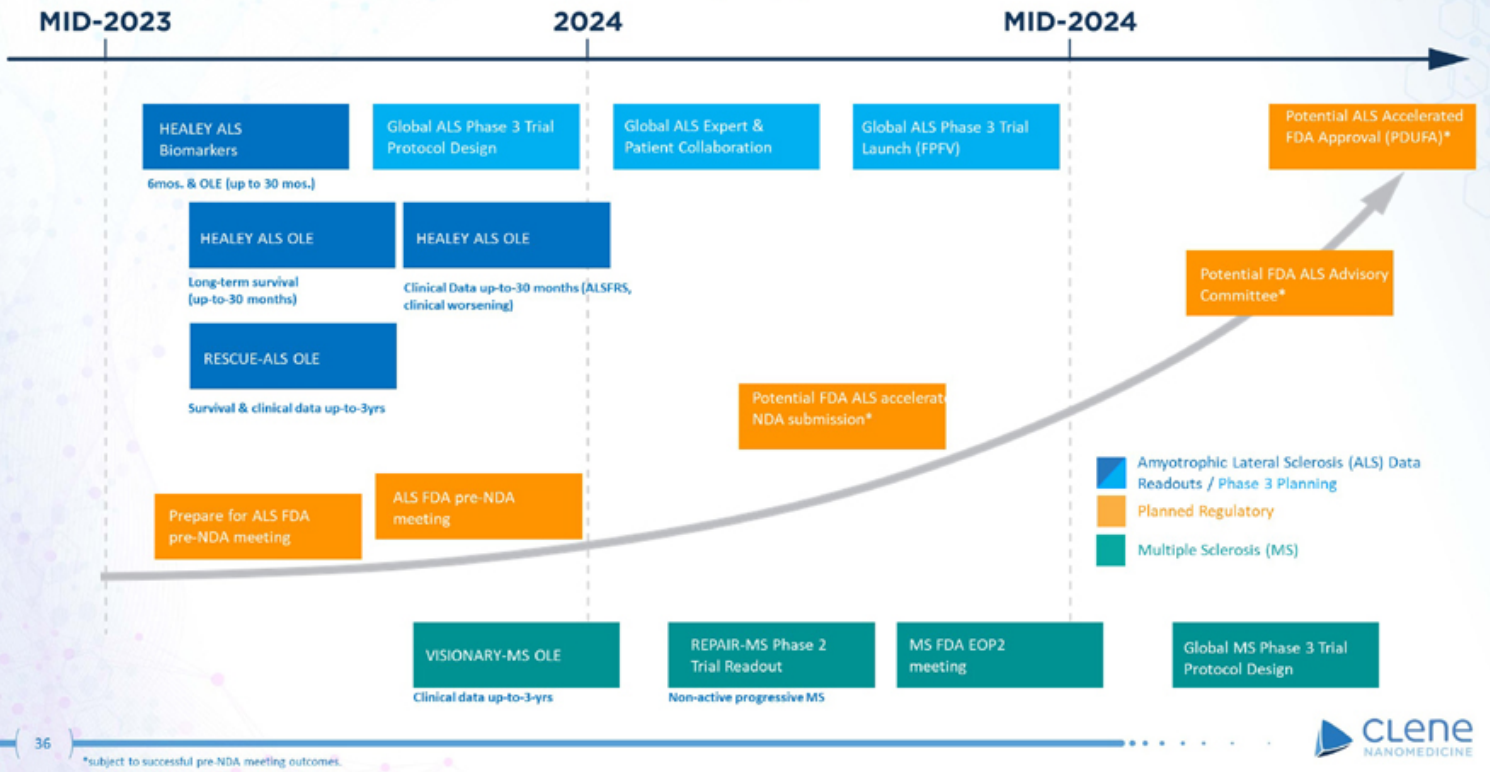
Over 450 Years of Subject Exposure Without Identified Safety Signals

- Long-term dosing experience up to 175 weeks

Growing Body of Evidence for CNM-Au8[®]



Clene | CNM-Au8 Path to Regulatory Approval



Evidence Supports CNM-Au8 Therapeutic Potential to Treat Neurodegenerative Diseases

| | | | | | |
|---|--|---|---|--|--|
| <p>CNM-Au8[®] a gold nanocrystal suspension, in development as the first cellular energetic catalyst to remyelinate¹ & protect neurological function</p>  |  <p>RESCUEALS 60% decreased risk of death in ALS through 120 weeks</p> <p>HEALEY ALS Platform Trial >90% decreased risk of death with 30 mg in ALS</p> | <p>VISIONARY-MS Demonstrated global neurological improvement in MS patients on adjunctive DMT standard of care</p>  |  <p>>450 patient years of CNM-Au8 clinical exposure</p> | <p>Strong IP: 150+ patents on nanotherapeutic platform</p>  |  <p>As of June 30, 2023, cash and equivalents on hand (unaudited): \$49.2M</p> |
|---|--|---|---|--|--|



Clene Inc.

HQ & Clinical Development
6550 South Millrock Drive, Suite G50
Salt Lake City, UT 84121

R&D and Manufacturing
500 Principio Parkway, Suite 400
North East, MD 21901

© 2023 Clene Inc.

Version: 14-August-2023