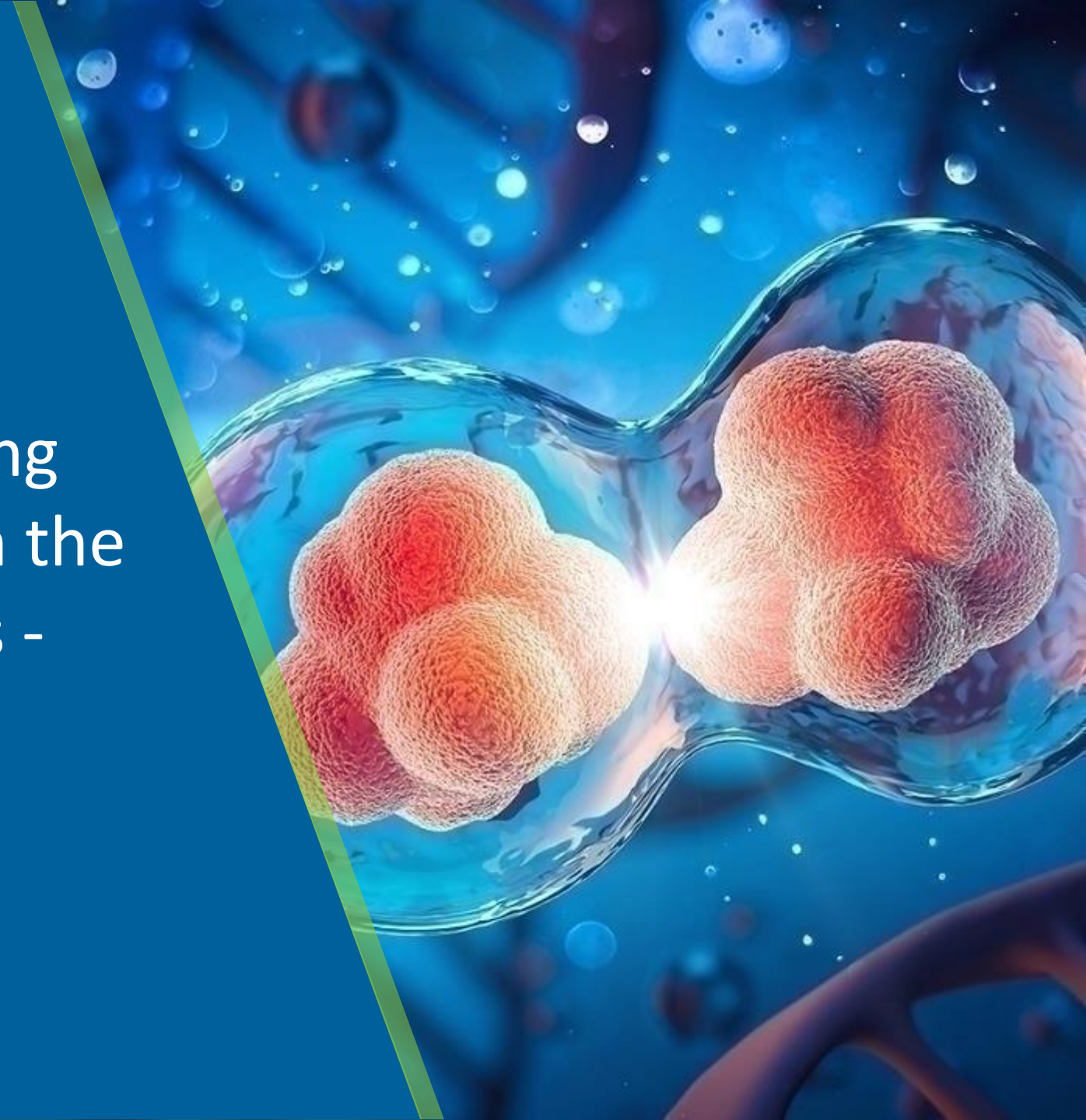
LONGEVERON

A Regenerative Medicine Company

Stem cell therapies addressing life threatening conditions in the most vulnerable populations - children and the elderly



Investor Presentation

Nasdaq (LGVN) | January 2026

Forward Looking Statements

Certain statements in this press release that are not historical facts are forward-looking statements made pursuant to the safe harbor provisions of the Private Securities Litigation Reform Act of 1995, which reflect management's current expectations, assumptions, and estimates of future operations, performance and economic conditions, and involve known and unknown risks, uncertainties, and other important factors that could cause actual results, performance, or achievements to differ materially from those anticipated, expressed, or implied by the statements made herein. Forward-looking statements are generally identifiable by the use of forward-looking terminology such as "anticipate," "believe," "contemplate," "continue," "could," "estimate," "expects," "intend," "looks to," "may," "on condition," "plan," "potential," "predict," "preliminary," "project," "see," "should," "target," "will," "would," or the negative thereof or comparable terminology, or by discussion of strategy or goals or other future events, circumstances, or effects and include, but are not limited to, statements about the various below-listed factors. Factors that could cause actual results to differ materially from those expressed or implied in any forward-looking statements in this release include, but are not limited to, our cash position and need to raise additional capital, the difficulties we may face in obtaining access to capital, and the dilutive impact it may have on our investors; our financial performance, and ability to continue as a going concern; the period over which we estimate our existing cash and cash equivalents will be sufficient to fund our future operating expenses and capital expenditure requirements; the ability of our clinical trials to demonstrate safety and efficacy of our product candidates, and other positive results; the timing and focus of our ongoing and future preclinical studies and clinical trials, and the reporting of data from those studies and trials; the size of the market opportunity for certain of our product candidates, including our estimates of the number of patients who suffer from the diseases we are targeting; our ability to scale production and commercialize the product candidate for certain indications; the success of competing therapies that are or may become available; the beneficial characteristics, safety, efficacy and therapeutic effects of our product candidates; our ability to obtain and maintain regulatory approval of our product candidates in the U.S. and other jurisdictions; our plans relating to the further development of our product candidates, including additional disease states or indications we may pursue; our plans and ability to obtain or protect intellectual property rights, including extensions of existing patent terms where available and our ability to avoid infringing the intellectual property rights of others; the need to hire additional personnel and our ability to attract and retain such personnel; and our estimates regarding expenses, future revenue, capital requirements and needs for additional financing.

Further information relating to factors that may impact the Company's results and forward-looking statements are disclosed in the Company's filings with the Securities and Exchange Commission, including Longeveron's Annual Report on Form 10-K for the year ended December 31, 2024, filed with the Securities and Exchange Commission on February 28, 2025, its Quarterly Reports on Form 10-Q, and its Current Reports on Form 8-K. The Company operates in highly competitive and rapidly changing environment; therefore, new factors may arise, and it is not possible for the Company's management to predict all such factors that may arise nor assess the impact of such factors or the extent to which any individual factor or combination thereof, may cause results to differ materially from those contained in any forward-looking statements. The forward-looking statements contained in this press release are made as of the date of this press release based on information available as of the date of this press release, are inherently uncertain, and the Company disclaims any intention or obligation, other than imposed by law, to update or revise any forward-looking statements, whether as a result of new information, future events, or otherwise.

Therapies for life-threatening, rare pediatric & chronic aging-related conditions

POSITIVE CLINICAL DATA

- Positive initial results in 5 clinical trials across 3 indications
- Well established safety profile

REGULATORY PATHWAY TO BLAs

- Positive FDA Type C mtg for HLHS & on-going pivotal trial
- Positive FDA Type B mtg for AD; planned single, pivotal Phase 2/3 clinical trial

5 FDA DESIGNATIONS

- HLHS: Orphan Drug, Fast Track & Rare Pediatric Disease
- AD: Regenerative Medicine Advanced Therapy (RMAT) & Fast Track

LARGE U.S. MARKETS

HLHS: ~$1 billion

PDCM: ~$1+ billion

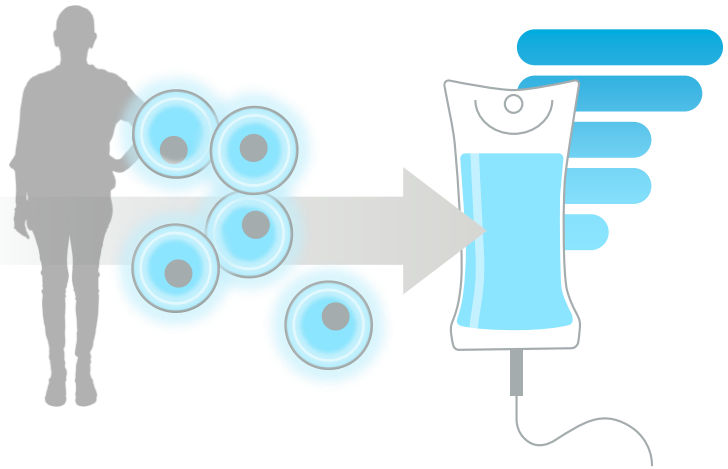
AD: ~$5+ billion

Aging-related Frailty: ~$4+ billion

Clinical pipeline in Hypoplastic Left Heart Syndrome (HLHS), Pediatric Dilated Cardiomyopathy (PDCM), Alzheimer's disease (AD), and Aging-related Frailty (AF)

Cellular Therapy Laromestrocel (Lomecel B™) -- A Pipeline in a Product

- Stem cell therapy uses stem cells to repair, regenerate or replace damaged or diseased cells in the body
- Allogeneic (donor-derived) mesenchymal stem cells (MSCs) isolated from bone marrow of healthy young adults (18 to 45)
- Cells are culture-expanded - replicated under controlled laboratory conditions - into the billions
- After a specific number of expansion cycles called “passages”, the cells are harvested, separated into specific doses (e.g. 50 million cells), and frozen until future use in patients
- Laromestrocel development programs:
  - Hypoplastic Left Heart Syndrome (HLHS) - on-going pivotal Phase 2b trial
  - Pediatric Dilated Cardiomyopathy (PDCM) – IND approval for single, pivotal Phase 2
  - Alzheimer’s disease (AD) - completed through Phase 2a
  - Aging-related Frailty (AF) - completed through Phase 2b



Addressing Unmet Medical Needs of Chronic and Life-threatening Conditions

Hypoplastic Left Heart Syndrome (HLHS)

- One of most severe congenital heart conditions
- Cause unknown
- Devastating for patient & family
- Limited treatment options
  - Series of surgical repairs
  - Heart transplant
- HLHS accounts for 2-3% of all congenital heart disease

Pediatric Dilated Cardiomyopathy (PDCM)

- Pediatric cardiomyopathies affect at least 100,000 children worldwide
- Nearly 40% of children with DCM require a heart transplant or die within two years of diagnosis
- Effective treatment options are limited
- Current treatment focuses on managing symptoms, improving heart function, & preventing complications rather than addressing the underlying cause or causes

Alzheimer's Disease (AD)

- 1 in 3 older adults dies with Alzheimer's or another dementia
- AD kills more than breast cancer and prostate cancer combined
- In 2024, AD and other dementias cost U.S $360 billion
- Between 2000 and 2021, deaths from AD have increased 141% *(deaths from heart disease have decreased 2.1%)*

Aging-related Frailty (AF)

- By 2030, 1 in 6 people in the world > 60 years old, representing over 1.4 billion people
- In 2020, # of people > 60yrs outnumbered children <5yrs
- Accumulation of molecular and cellular damage with the passage of time
- Gradual decrease in physical & mental capacity, a growing risk of disease and death

Lomecel-B® (laromestrocel) -- A pipeline in a product

	Global Patient Population	Phase 1	Phase 2	Pivotal or Phase 3	Milestones
Hypoplastic Left Heart Syndrome	**> 30,000[1]**				• Ph2b enrollment completed, Top-line data anticipated Q3 2026 • Rare Pediatric Disease, Orphan Drug, Fast Track Designations
Pediatric Dilated Cardiomyopathy	**100,000[2]**				• IND approved 2025 • FDA confirmed that single Ph2b/3 pivotal study (no Ph1)
Alzheimer's Disease	**> 32 million[3]**				• Completed through Ph2a • RMAT & Fast Track Designations • Results published in *Nature Medicine* ('25)
Aging-related Frailty	**70-100 million[4]**				• Completed Ph2b Multi-Dose trial

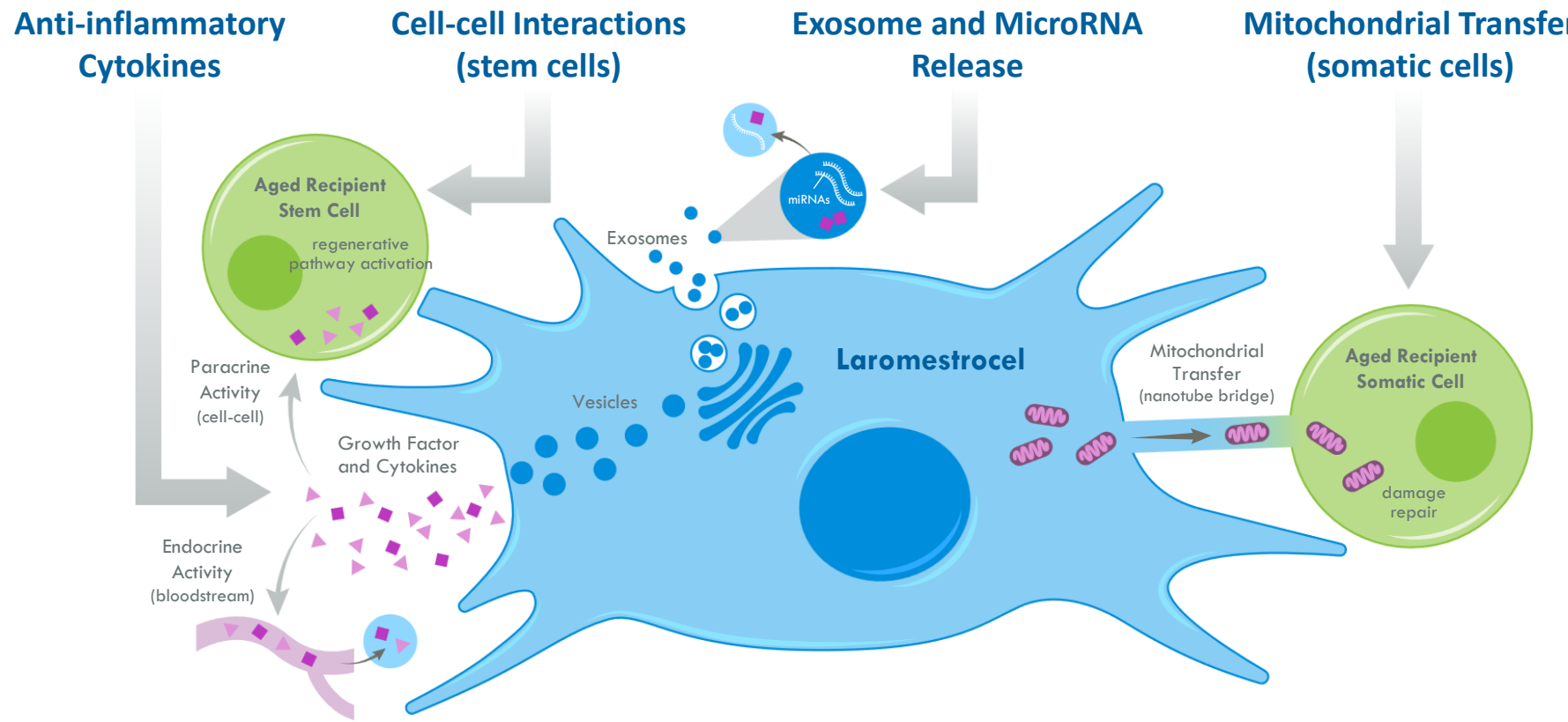
[1] Global patient population estimated using prevalence in first world countries, incidence of 2.6 HLHS patients/10,000 live births and 130 million births per year. U.S. HLHS prevalence is ~1,000 patients per year. E.U., Japan, and China incidence rates range from ~2.1 to 2.8 per 10K live births. Sources: Bakker MK, et al. *BMJ Open*. 2019;9(7); POLI (GlobalData); U.N. Dept Economic and Social Affairs, 2015; ClearView Analysis, 2022. [2] Malinow I, et al. *Front Pediatr*. 2024;19(12). [3] Based on 2022 estimate of global persons >50 years of age with AD (32 million) and prodromal AD (69 million), not including preclinical AD, as reported in Gustavsson A, et al. *Alzheimer's Dement*. 2023;19(2):658-670. [4] Estimate based calculation using global incidence of frailty among community-dwelling adults 60 years or older reported as 43.4 new cases per 1000 person-year, as reported in Ofori-Asenso R, et al. *JAMA Network Open* 2019;2(8), and global population size of 8.1 billion persons (Pew Research Center, 2025).

Laromestrocel Multiple Mechanisms of Action (MOA)

Pro-vascular, Pro-regenerative and Anti-inflammatory: Repairs Tissue and Promotes Healing

Laromestrocel Key Advantages:

- Superior efficacy for addressing inflammation
- Cells migrate to sites of tissue damage
- Enhanced safety as inherently Immuno-evasive
- Convenient off-the-shelf administration



Jimenez-Puerta GJ, et al. *Journal of Clinical Medicine*. 2020 Feb;9(2):445.
Mazhari R and Hare JM. *Nature Clinical Practice Cardiovascular Medicine*. 2007 Feb;4(1):S21-6.

Laromestrocel Mechanism of Action

Potential Mechanisms of Action

- Pro-vascular/pro-endothelial
- Anti-inflammatory
- Anti-fibrotic
- Stimulate intrinsic regenerative/repair

These mechanisms support use in

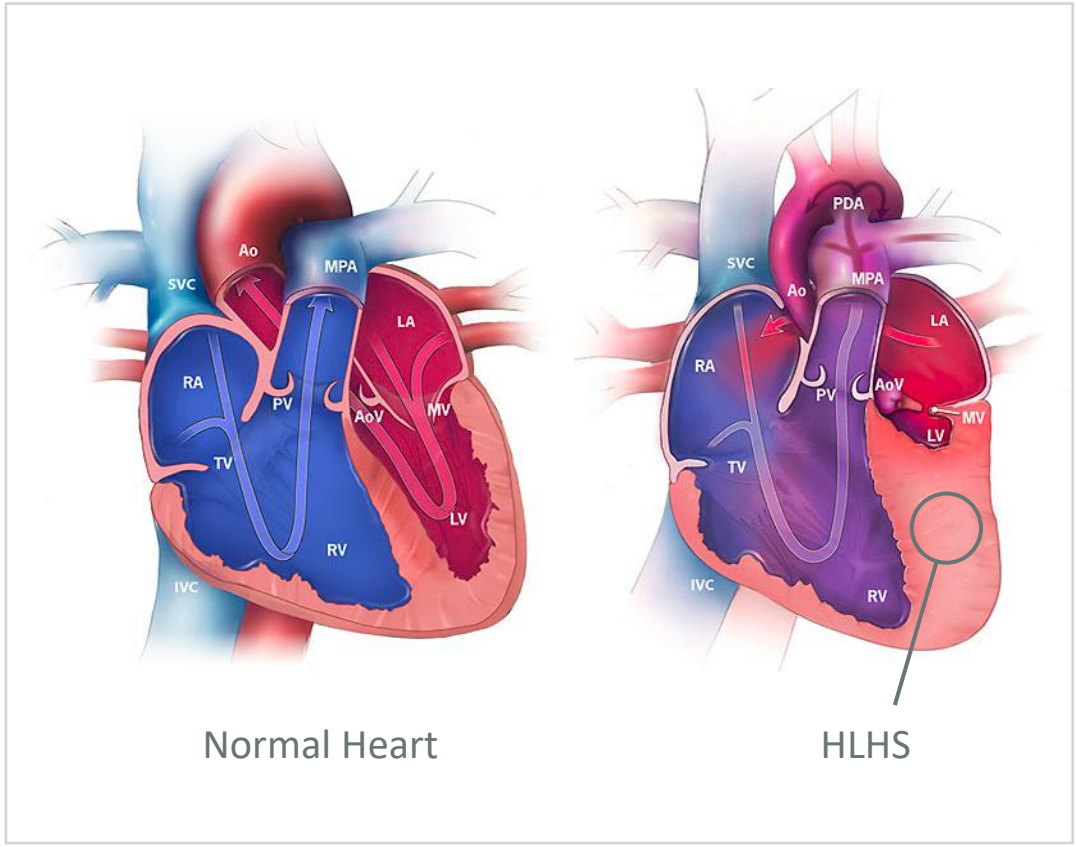
- Diseases with endothelial dysfunction
- Inflammation
- Fibrosis
- Need for endogenous repair

Laromestrocel for Hypoplastic Left Heart Syndrome (HLHS)

LONGEVERON

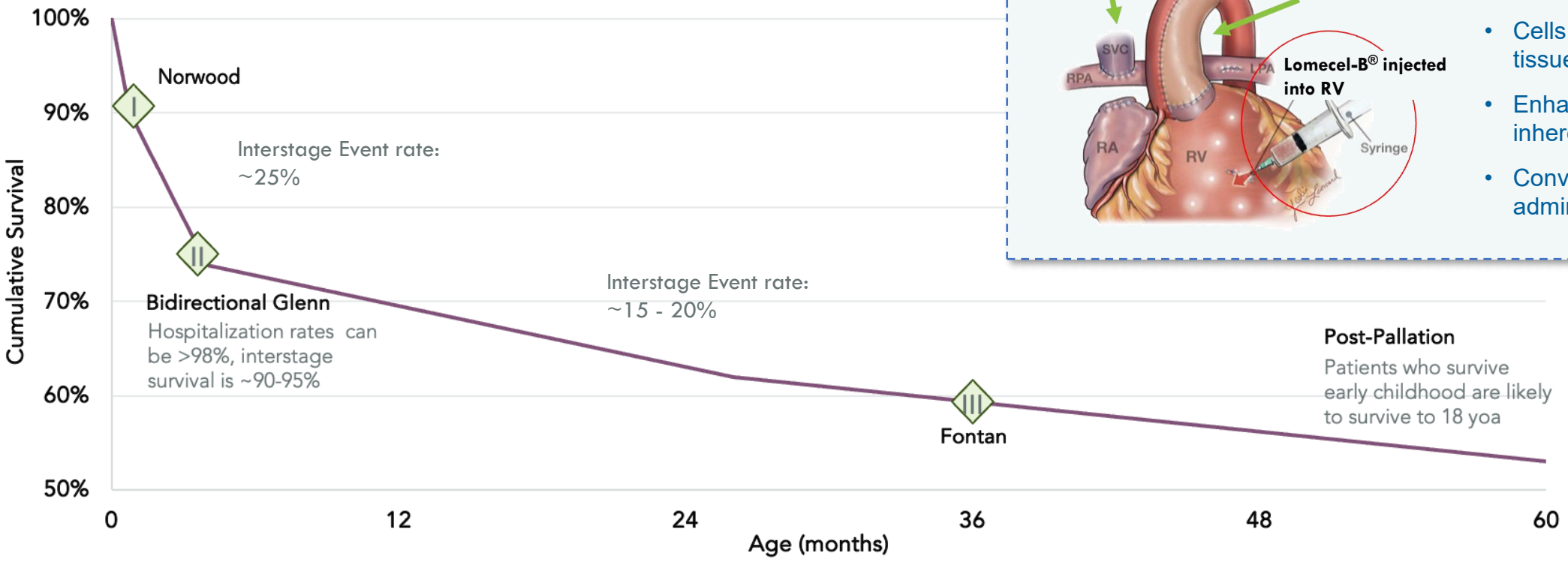
Significant Unmet Need in HLHS

- Rare congenital heart defect: Univentricular malformation
- Children with HLHS require 3 staged open-heart surgeries for survival
- Even with surgery, survival to adolescence estimated at only 50% to 60%[2]
- 5 years transplant-free survival ~80%[3,4]
- Urgent need for additional strategies to boost RV performance and survival



1. Ohye RG, et al. Comparison of shunt types in the Norwood procedure for single-ventricle lesions. The New England journal of medicine (2010) 362:1980-92. 2. Newburger JW, et al. Transplant-Free Survival and Interventions at 6 Years in the SVR Trial. Circulation(2018) 137:2246-2253. 3. Kaushal S, et al. Long-Term Transplant-Free Survival is Improved in Hypoplastic Left Heart Syndrome with Cell-Based Therapy. 2023 American Heart Association Scientific Meeting. Philadelphia, PA (11 – 14 Nov 2023). 4 Lynch et al. Outcomes of Children with Hypoplastic Left Heart Syndrome and Heart Failure on Medical Therapy (2024) JACC: Advances 3:100811.

Lomecel-B® (laromestrocel) is a therapy for HLHS to be administered during the stage II Glenn surgery



Lomecel-B® administered into RV during stage II surgery

- Administration via intramyocardial injection has been clinically shown to enhance cell retention and integration with cardiac tissue, and reduce scar size*
- Cells migrate to sites of tissue damage
- Enhanced safety as inherently immuno-evasive
- Convenient off-the-shelf administration

With surgery alone, 5-years transplant-free survival is ~55%

The first 5-years of life carries the largest burden of mortality for HLHS children

Interstage and cumulative survival rates from: https://www.lhm.org.uk/hypoplastic-left-heart-syndrome/. Additional sources: Goldberg CS, et al. Circulation. 2023;148(17); Best. Front Ped. 2021; Liu. J Am Heart Assoc. 2018; Newburger. Circulation. 2018. Image adapted from: Bittle et al., Circulation Res. 2018;123:288-300. *Tran TTH et al, *Regen Therapy*. 2025 Dec;30:812-837.

Long-term Survival Data Presented at 2024 Congenital Heart Surgeon's Society Annual Meeting

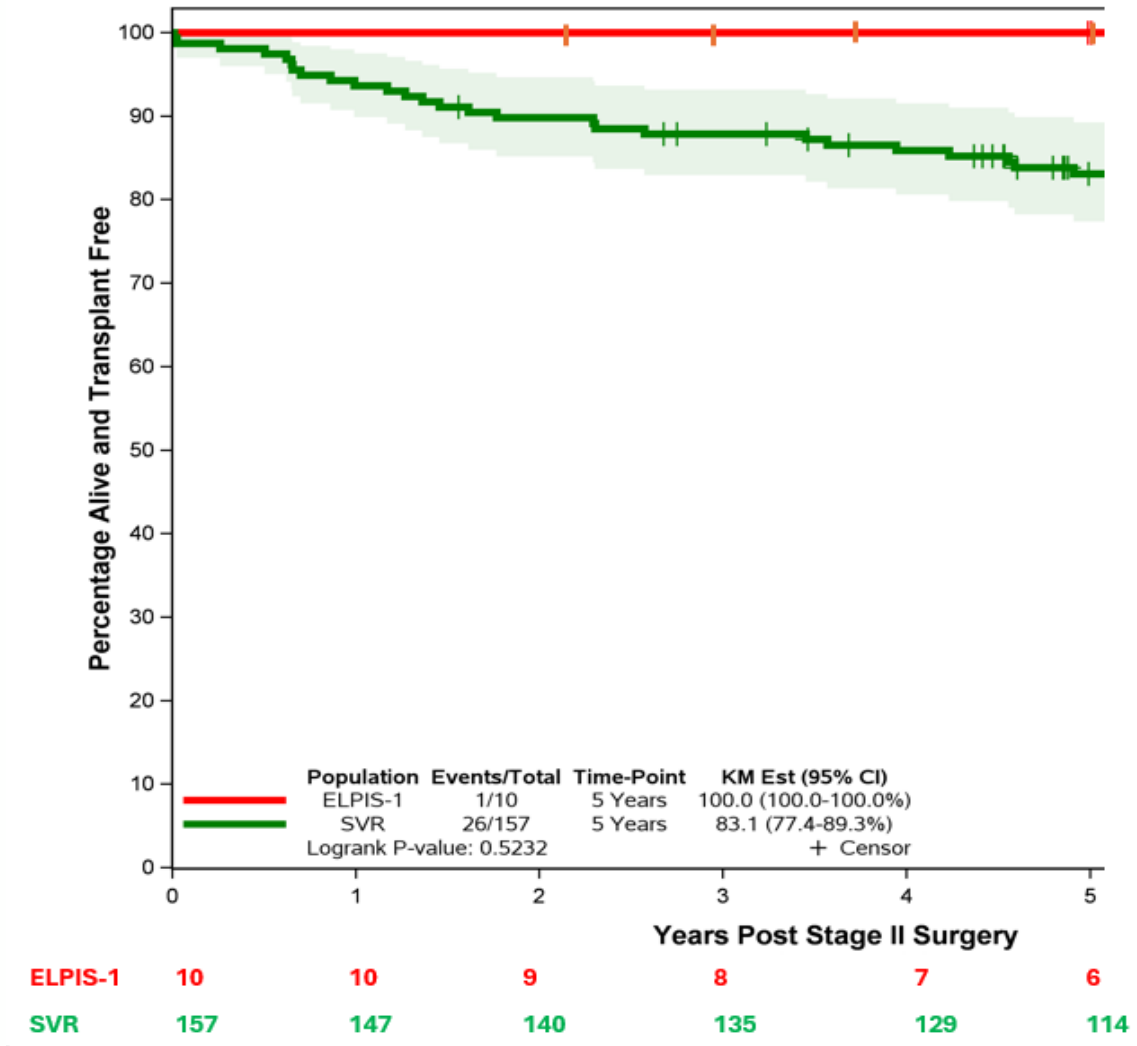
ELPIS I - 100% transplant-free survival for 10 patients up to 5 years post Glenn surgery

- ELPIS I met its primary endpoint of safety through 1-year post-treatment, with 100% survival rate, 100% transplant-free and patients maintained expected rate of growth one year after treatment
- 5-year survival data show 100% transplant free survival (NNT 5)
- 5-year transplant-free compared to 80% in a propensity-matched historical control group.[1,2,3,4]
- No laromestrocel related safety issues were reported
- No Major Adverse Cardiovascular Events (MACE) were reported during the study
- Findings support the use of laromestrocel as a potential adjunct to HLHS reconstruction surgery to improve transplant-free survival

1. Ohye RG, et al. Comparison of shunt types in the Norwood procedure for single-ventricle lesions. The New England journal of medicine (2010) 362:1980-92. 2. Newburger JW, et al. Transplant-Free Survival and Interventions at 6 Years in the SVR Trial. Circulation(2018) 137:2246-2253. 3. Kaushal S, et al. Long-Term Transplant-Free Survival is Improved in Hypoplastic Left Heart Syndrome with Cell-Based Therapy. 2023 American Heart Association Scientific Meeting. Philadelphia, PA (11 – 14 Nov 2023). 4 Lynch et al. Outcomes of Children with Hypoplastic Left Heart Syndrome and Heart Failure on Medical Therapy (2024) JACC: Advances 3:100811.

Long-term Survival in HLHS from ELPIS I Trial of laromestrocel

Post-Stage II Heart Transplant-Free 5-years Survival



SVR patients matched with ELPIS I patient's population (N=157)

ELPIS I patient's population (N=10)

- 100% Transplant-free survival for all patients in ELPIS I, ranging from 3 years 8 months to 5 years 2 months post stage-II surgery.
- Patients Receiving the RVPA shunt in the SVR trial experienced ~80% transplant-free survival 5 years post stage-II surgery.

Longitudinal Follow-Up of Children With HLHS and Association Between Norwood Shunt Type and Long-Term Outcomes: The SVR III Study Caren S. Goldberg, MD at al, Circulation Volume 148, Number 17 https://doi.org/10.1161/CIRCULATIONAHA.123.065192

ELPIS II: Pivotal Phase 2b Study Design for HLHS

Clinical Screening

Eligibility Criteria

All participants must have HLHS requiring Stage II palliation for HLHS (Glenn or Hemi-Fontan operation allowed)

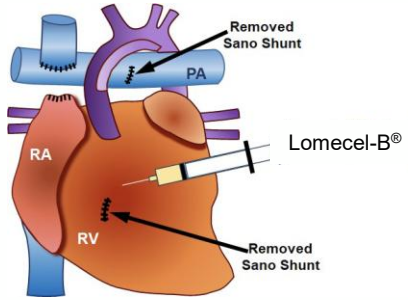
Baseline

- Patient assessments
- Randomization (1:1)

Injections During Stage II Surgery (randomized, blinded)

N=20 → **Group 1** Standard of Care

N=20 → **Group 2** 2.5 x 10^5 cell/kg laromestrocel



Post Surgical Follow-Up (day 5, week 4, month 6, month 12)

Key Measures Assessed

- All-cause mortality
- MACE
- Transplant-free survival
- Hospital visits and # of days in hospital
- Right ventricle ejection fraction

ELPIS II is a Phase 2b, Randomized, Multi-center study to evaluate laromestrocel injection in patients with HLHS, being conducted at leading clinical centers, in collaboration with the National Heart, Lung, and Blood Institute (NHLBI) through grants from the National Institutes of Health (NIH).

ELPIS II enrollment completed June 2025; Top-line data anticipated Q3 2026

ELPIS II Primary and Key Secondary Endpoints

Composite Primary Endpoint

Time to **all-cause mortality** or listing for transplant at 12 months post Stage II surgery (time to earliest event)

Days alive and out of hospital (DAOH) within 12 months post Glenn or hemi-Fontan surgery (Stage II surgery)

With sample size of 40 participants (20 per arm) there is ~80% power to detect a treatment difference using the Finkelstein-Schoenfeld (F-S) Win-Ratio method assuming a 5% (2-sided) significance.

Sample size assumptions (from the NIH SVR database, ELPIS I study, and CHILD study):*

- *All-cause mortality/listing for transplant event rate in SOC: 10%; Hazard ratio 0.2*
- *DAOH: 300 vs 360 (SD=70) days, SOC vs Treatment, respectively*
- *Dropout rate assumption: 5%*

Key Secondary Endpoint

- Incidence of major adverse cardiac events (MACE) from baseline through Month 12 post Stage 2 palliation surgery (bidirectional Glenn or hemi Fontan procedure), including:
  - Cardiovascular mortality
  - Hospitalization due to heart failure
  - Arrhythmias
  - Thromboembolic events

Secondary Endpoints

- Transplant-free survival (TFS) for up to 5 years
- Change from baseline at Month 12 post Stage 2 palliation surgery assessed via cardiac magnetic resonance (CMR), in:
  - Right ventricle ejection fraction (RVEF)
  - RV end-diastolic volume
  - RV global longitudinal strain and strain rate

Final Statistical Analysis Plan (SAP) will be discussed with the FDA during upcoming regulatory meetings

LONGEVERON

Source: Pediatric Heart Network (SVR database); Kaushal S, Hare JM et al, Phase I Randomized Study of Cardiac Stem Cells in Patients With Hypoplastic Left Heart Syndrome: The CHILD Trial. JACC Heart Fail. 2026 Jan;14(1):102723. doi: 10.1016/j.jchf.2025.102723. Epub 2025 Nov 19. PMID: 41258851

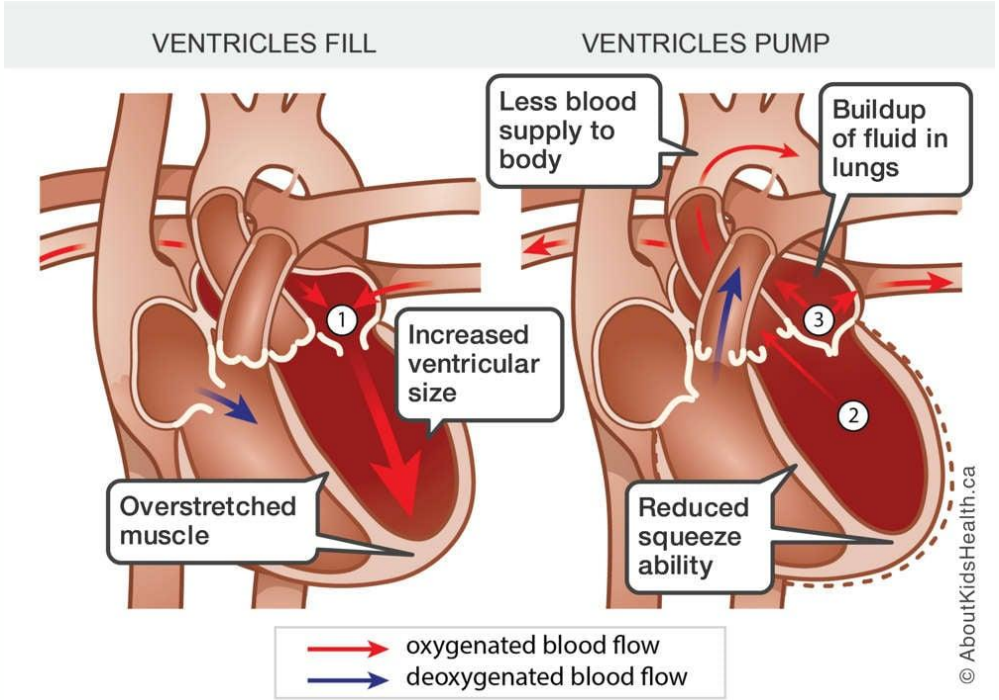
Laromestrocel for Pediatric Dilated Cardiomyopathy (PDCM)

LONGEVERON

Pediatric Dilated Cardiomyopathy (PDCM) - 2nd indication

- Pediatric Dilated Cardiomyopathy (PDCM) is a rare, progressive, life-threatening disease
- ~40% of children with dilated cardiomyopathy require a heart transplant or die within two years of diagnosis
- Current treatment focuses only on managing symptoms, improving heart function and preventing complications
- PDCM is associated with loss of cardiomyocytes and replacement by noncontractile fibrous tissue. Results from **preclinical and clinical trials highlight the potential of MSCs to promote cardiomyogenesis, reduce fibrosis and inflammation, and support neovascularization**

PDCM affects at least 100,000 children worldwide



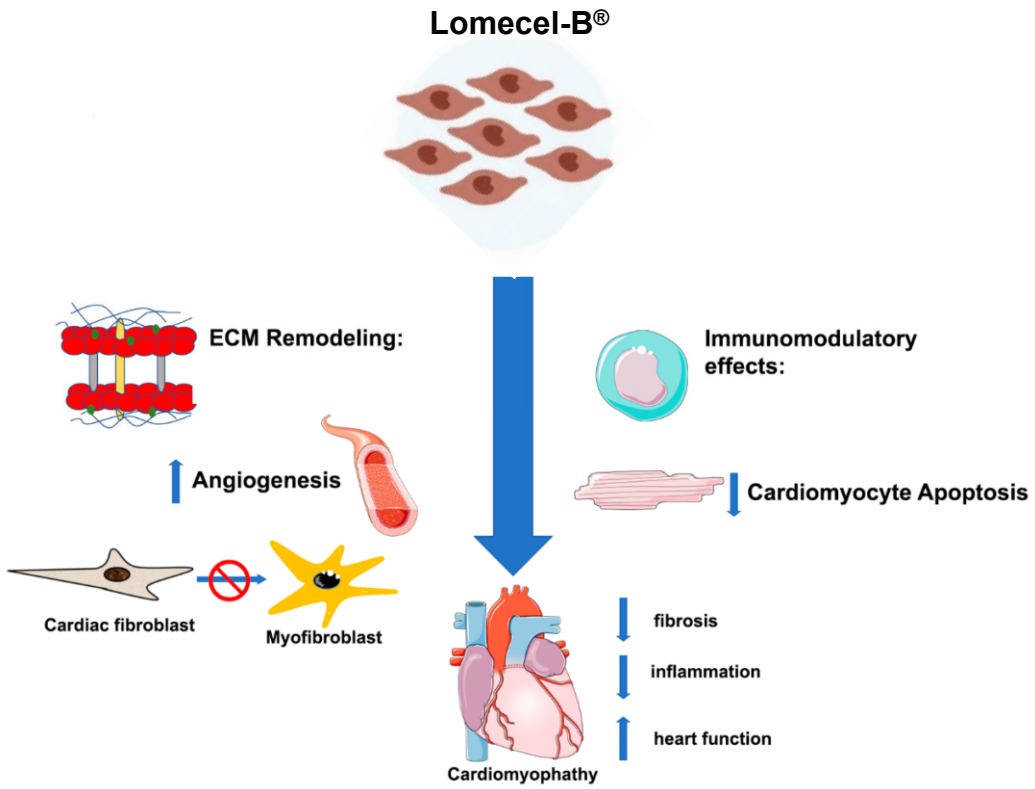
In PDCM the heart overstretches and weakens, increasing the size of the ventricular chambers. The overstretched muscle cannot pump properly, resulting in less blood flow to the body, and causing fluid buildup in the lungs.

Lesizza P, et al. In: *Dilated Cardiomyopathy: From Genetics to Clinical Management*. 2019, Chapter 11.; Lipshultz SE, et al. *Circulation*. May 2018;140(1).; Pittenger MF, et al. *NPJ Regenerative Medicine*. 2019;4(22).

Derived from: AboutKidsHealth.com

Lomecel-B® (laromestrocel) for PDCM

By reducing inflammation, inhibiting fibrosis, and promoting new blood vessel formation, Lomecel-B® may stop or reverse deterioration of heart function in PDCM.



Graphic adapted from: Gubert F, et al. *Int J of Mol Sci.* 2022;22(14):7447.

FDA supports an accelerated clinical development and regulatory pathway for Lomecel-B® to initiate Phase 2b/3 pivotal study

✓ Lomecel-B® IND approved for PDCM in July 2025

✓ FDA accepted IND application allows for development program to move directly to a single Phase 2b/3 pivotal registrational trial

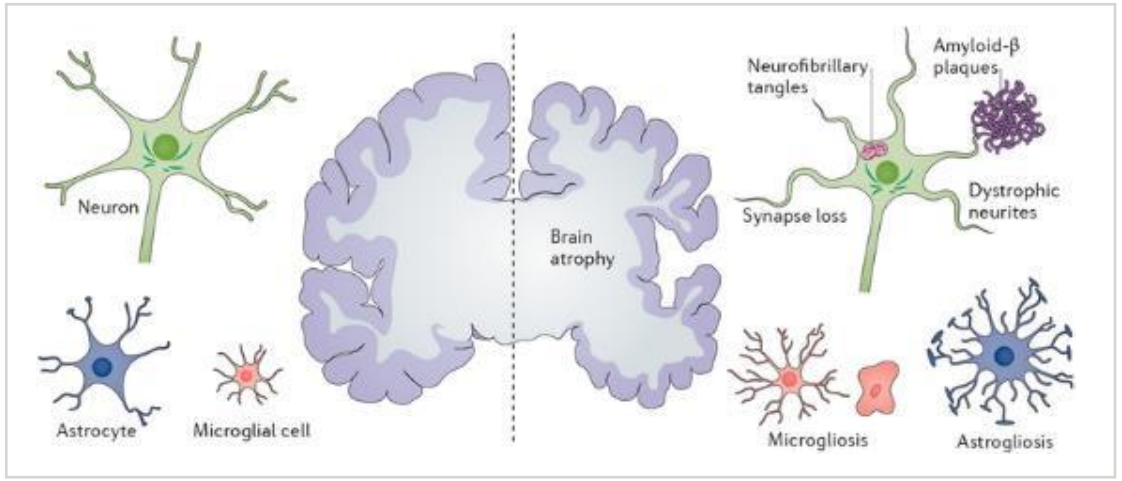
Laromestrocel for Alzheimer's Disease (AD)

LONGEVERON

Laromestrocel for Alzheimer's Disease

Targeting CNS Inflammation

- Previous therapies targeted amyloid plaques (b-secretase inhibitors and anti-amyloid antibodies) or neurofibrillary tangles (antibodies) with little evidence of disease state improvement
- Inflammation is increasingly recognized as a major pathway to the pathology leading to neurodegeneration in AD
- Genetic evidence for inflammation being important in AD comes from *TREM2* (an important protein in multiple immune cells) variants associated with AD*
- Inflammatory responses in brain to the pathologies of AD are increasingly recognized to drive the pathogenesis of the disease+
- **U.S. FDA has granted laromestrocel for AD:**
  - Regenerative Medicine Advanced Therapy (RMAT) Designation
  - Fast Track Designation

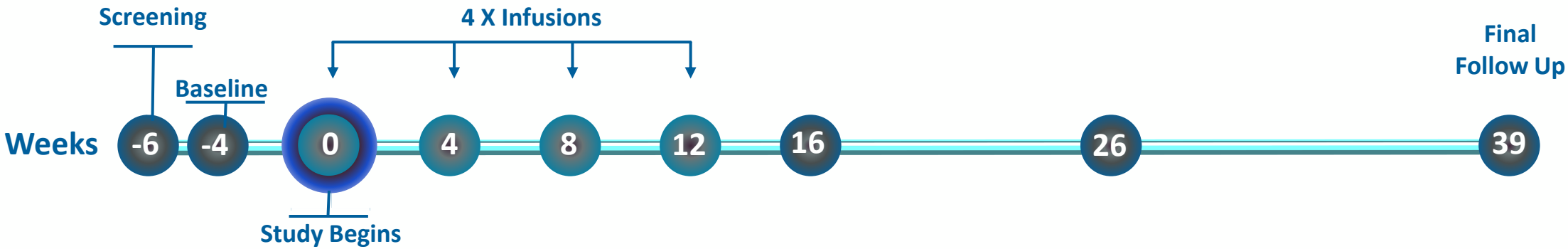


- MSCs effect in animal models of Alzheimer's disease:
  - Cross the blood brain barrier (BBB)
  - ↓ pro-inflammatory; ↑ anti-inflammatory biomarkers
  - Improve immune functioning
  - Promote neurogenesis
  - Improve endothelial function

*Shi Y, Holtzman DM (December 2018). *Nature Reviews. Immunology*. 18 (12): 759–772
+Heppner FL; Ransohoff RM; Becher B (2015).. *Nature Reviews Neuroscience*. 16 (6): 358–372

Figure from Congdon EE, Sigurdsson EM. Tau-targeting therapies for Alzheimer disease. *Nat Rev Neurol.* 2018 Jul;14(7):399-415.

CLEAR MIND Phase 2a Study Design



Randomization 1:1:1:1

- Group 1: Placebo [N=12]
- Group 2: Single Dose laromestrocel (25M) [N=13]
- Group 3: Multi dose laromestrocel (25M) [N=13]
- Group 4: Multi dose laromestrocel (100M) [N=11]

Primary Endpoint	Percentage of patients with at least 1 SAE 4 weeks from any infusion
Secondary Endpoint	CADS composite imaging and neurocognitive testing scores
Exploratory Endpoints	Change from baseline cognitive tests, MRI biomarkers

CLEAR MIND Phase 2a Results for Alzheimer’s Disease

- Trial results selected for featured research oral presentation at the 2024 Alzheimer's Association International Conference (AAIC) July 2024
- Laromestrocel demonstrated positive benefit/risk profile
- Laromestrocel treated patients showed an overall slowing/prevention of disease worsening compared to placebo
- The trial achieved the primary safety and secondary efficacy endpoints and showed statistically significant improvements in pre-specified clinical and biomarker endpoints in specific laromestrocel groups compared to placebo
- The established safety profile of laromestrocel for single and multiple dosing regimens was demonstrated in study data that showed no incidence of hypersensitivity, infusion-related reactions, and no cases of amyloid-related imaging abnormalities (ARIA)
- Administration of laromestrocel was associated with slowing cognitive and functional decline as demonstrated by statistically significant results in the Montreal Cognitive Assessment and statistical trending improvements compared to placebo in CDR-SB and MMSE
- There was a statistically significant improvement relative to placebo observed in the Alzheimer’s Disease Cooperative Study Activities of Daily Living (ADCS-ADL)
- Brain MRI results demonstrated a 49% reduction in brain volume loss and improvement in cerebral blood flow

CLEAR MIND Phase 2a Conclusions and Pathway to BLA

- Results of the CLEAR MIND clinical trial support the therapeutic potential of laromestrocel in the treatment of mild Alzheimer's disease and provided evidence-based support for further clinical development
- Results of the CLEAR MIND Phase 2a clinical trial were published in *Nature Medicine*[1]
- FDA Regenerative Medicine Advanced Therapy (RMAT) Designation, July 2024
- Positive Type B meeting with U.S. FDA in March 2025 supporting the advancement of laromestrocel as a potential treatment for Alzheimer's disease
  - Planned single, pivotal Phase 2/3 clinical trial, if positive, acceptable for Biological License Application (BLA) submission for Alzheimer's disease
  - Adaptive design allows early interim analysis, which if positive can trigger BLA application
  - Alignment with FDA on proposed trial study design, population and endpoints
  - Initiation of planned pivotal Phase 2/3 clinical trial anticipated in 2H 2026, contingent upon obtaining non-dilutive funding and/or partnering support

1. Rash BG, Ramdas KN, Agafonova N, Naioti E, McClain-Moss L, Zainul Z, Varnado B, Peterson K, Brown M, Leal T, Kopcho S, Carballosa R, Patel P, Brody M, Herskowitz B, Fuquay A, Rodriguez S, Jacobson AF, Leon R, Pfeffer M, Schwartzbard JB, Botbyl J, Oliva AA Jr, **Hare JM**. Allogeneic mesenchymal stem cell therapy with laromestrocel in mild Alzheimer's disease: a randomized controlled phase 2a trial. *Nat Med*. 2025 Mar 10. doi: 10.1038/s41591-025-03559-0

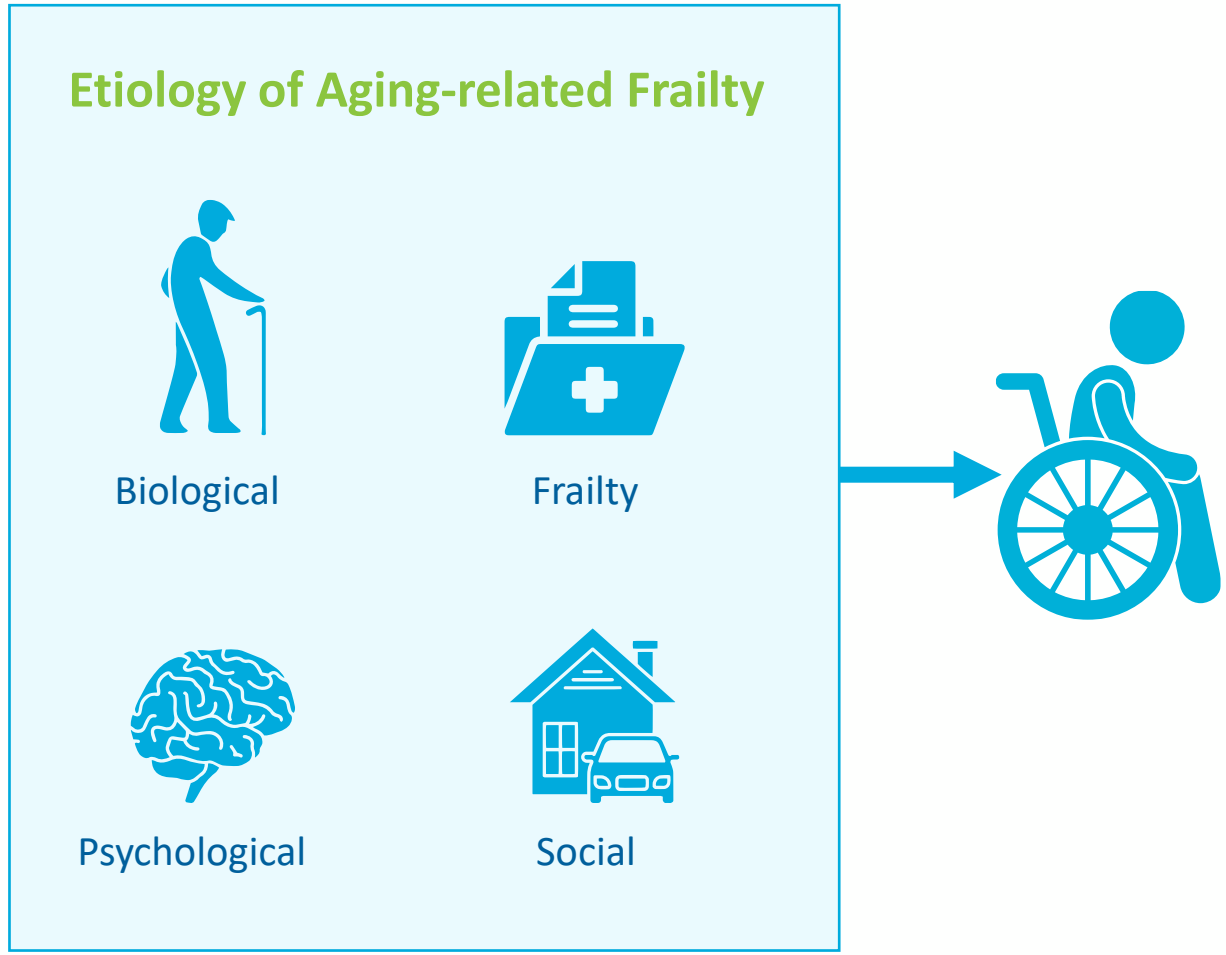
Laromestrocel for Aging-related Frailty (AF)

Aging-related Frailty*

Diminishing Health, Independence and QoL

- Frailty
  - Age-associated decline in reserve and function across multiple physiologic systems leading to inability to cope with stressors
  - Characterized by mobility disability, weakness, fatigue, weight-loss, slowness, low activity, etc.
- Higher risk for poor clinical outcomes
  - Infections, falls, fracture, hospitalizations, death
- High unmet need and high prevalence
- No approved treatments for Frailty
  - General prevalence of ~15% of individuals >65 using CHS Frailty Phenotype definition.[1]

Etiology of Aging-related Frailty



*Frailty/Aging-related Frailty" presently does not have a consensus definition of the indication for regulatory purposes

[1]Bandeen-Roche K, et al. J Gerontol A *Biol Sci Med Sci.* 2015

Laromestrocel for Aging-related Frailty

Completed U.S. Phase 2b Study Aging-related Frailty Study (N=143)

- Designed to determine whether there was a dose response to a single infusion of laromestrocel in Aging-related Frailty
- There were 5 treatment groups: placebo and 4 different doses of laromestrocel: 25, 50, 100 and 200 million cells
  - Note: highest dose treatment group added after start of study
- Patients were defined as aged 70 to 85, with evidence of inflammation by elevated TNF-a levels at baseline, and with mild to moderate frailty (by CHS scale) and impaired mobility
- Primary efficacy endpoint measure was 6MWT – a test of physical endurance (distance walked in 6 minutes)

Results:

There was a statistically significant increase in 6MWT in multiple laromestrocel treatment groups 9 months after a single infusion of laromestrocel compared to placebo

- There was also a dose-response to laromestrocel as measured in 6MWT at 6 months
- There were no SAEs attributed to treatment with laromestrocel and most AEs were related to the process of administration (associated with the insertion of a catheter for IV infusion)

Financial Position

$9.2 M
(as of 9/30/25)

Cash and cash equivalents

~19.8 M
(as of 10/31/25)

Shares of common stock outstanding;
~21.9M shares of common stock exercisable under outstanding warrants

The Company also has access to an At-The-Market (ATM) equity financing vehicle for sale of up to $10.7 million aggregate market value of shares of the Company's Class A common stock.

Longeveron Priorities for Next 12 Months

- Conclude data read-out of the ELPIS II clinical trial in HLHS
- Conduct HLHS pre-BLA meeting with FDA
- Continue our partnership identification and evaluation efforts
- Initiate enrollment in pivotal pediatric dilated cardiomyopathy trial, subject to obtaining necessary financing

Experienced and Successful Leadership



Joshua Hare, MD

EXECUTIVE CHAIRMAN,
CO-FOUNDER &
CHIEF SCIENCE OFFICER



Than Powell

INTERIM CEO



Lisa Locklear

EVP & CHIEF FINANCIAL
OFFICER



Paul Lehr

GENERAL COUNSEL &
SECRETARY



Nataliya Agafonova, MD

CHIEF MEDICAL OFFICER



Devin Blass

CTO & SVP, CMC

Therapies for life-threatening, rare pediatric & chronic aging-related conditions



POSITIVE CLINICAL DATA

- Positive initial results in 5 clinical trials across 3 indications
- Well established safety profile



REGULATORY PATHWAY TO BLAs

- Positive FDA Type C mtg for HLHS & on-going pivotal trial
- Positive FDA Type B mtg for AD; planned single, pivotal Phase 2/3 clinical trial



5 FDA DESIGNATIONS

- HLHS: Orphan Drug, Fast Track & Rare Pediatric Disease
- AD: Regenerative Medicine Advanced Therapy (RMAT) & Fast Track



LARGE U.S. MARKETS

HLHS: ~$1 billion

PDCM: ~$1+ billion

AD: ~$5+ billion

Aging-related Frailty: ~$4+ billion

Clinical pipeline in Hypoplastic Left Heart Syndrome (HLHS), Pediatric Dilated Cardiomyopathy (PDCM), Alzheimer's disease (AD), and Aging-related Frailty (AF)

Thank You

Website
www.longeveron.com

Chief Financial Officer
Lisa Locklear
llocklear@longeveron.com

Investor Relations
Derek Cole
Investor Relations Advisory Solutions
derek.cole@IRadvisory.com



LONGEVERON

Social Media

@Longeveron Inc
@LGVNSocial
@longeveron_inc

Converge Miami
1951 NW 7th AVENUE
Suite 520
Miami, FL 33136

844-470-2550
longeveron.com