CLEARSIDE BIOMEDICAL

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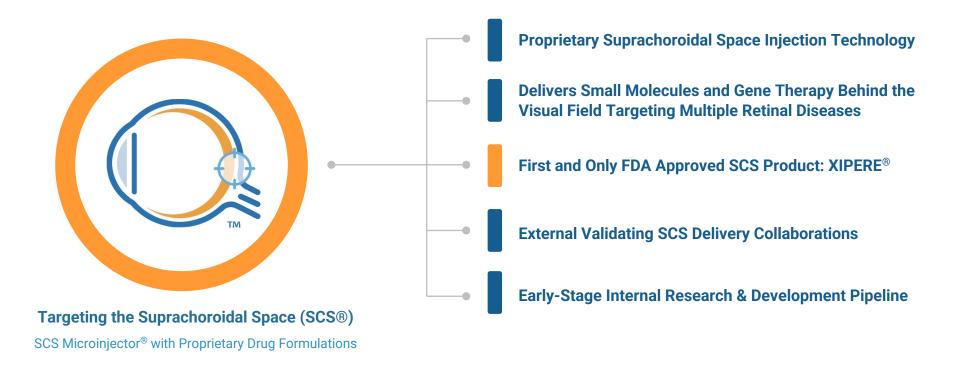
Corporate Presentation

April 2024

Forward-Looking Statements

This presentation contains forward-looking statements as defined in the Private Securities Litigation Reform Act of 1995, as amended. The words "may," "will," "could," "would," "should," "expect," "plan," "anticipate," "intend," "believe," "estimate," "predict," "project," "potential," "continue," "target" or the negative of these terms and other similar words or expressions are intended to identify forward-looking statements, although not all forward-looking statements contain these identifying words. Clearside Biomedical, Inc.'s views as of the date of this presentation about future events and are subject to risks, uncertainties, assumptions, and changes in circumstances that may cause Clearside's actual results, performance, or achievements to differ significantly from those expressed or implied in any forward-looking statement. Although Clearside believes that the expectations reflected in the forward-looking statements are reasonable, new risks and uncertainties may emerge from time to time, and Clearside cannot guarantee future events, results, performance, or achievements. Some of the key factors that could cause actual results to differ from Clearside's expectations include its plans to develop and potentially commercialize its product candidates; adverse differences between preliminary or interim data and final data; Clearside's planned clinical trials and preclinical studies for its product candidates; the timing of and Clearside's ability to obtain and maintain regulatory approvals for its product candidates; the extent of clinical trials potentially required for Clearside's product candidates; the clinical utility and market acceptance of Clearside's product candidates; Clearside's commercialization, marketing and manufacturing capabilities and strategy; Clearside's intellectual property position; Clearside's ability to expand its pipeline; developments and projections relating to Clearside's competitors and its industry; the impact of government laws and regulations; the timing and anticipated results of Clearside's preclinical studies and clinical trials and the risk that the results of Clearside's preclinical studies and clinical trials may not be predictive of future results in connection with future studies or clinical trials and may not support further development and marketing approval; findings from investigational review boards at clinical trial sites and publication review bodies; Clearside's estimates regarding future revenue, expenses, capital requirements and need for additional financing; and Clearside's ability to identify additional product candidates with significant commercial potential that are consistent with its commercial objectives. For further information regarding these risks, uncertainties and other factors you should read the "Risk Factors" section of Clearside's Annual Report on Form 10-K for the year ended December 31, 2022, filed with the SEC on March 14, 2023, and Clearside's subsequent filings with the SEC. Clearside expressly disclaims any obligation to update or revise the information herein, including the forward-looking statements, except as required by law. This presentation also contains estimates and other statistical data made by independent parties and by Clearside relating to market size and growth and other data about its industry. This data involves a number of assumptions and limitations, and you are cautioned not to give undue weight to such estimates. In addition, projections, assumptions and estimates of Clearside's future performance and the future performance of the markets in which Clearside operates are necessarily subject to a high degree of uncertainty and risk.

Revolutionizing Ophthalmic Drug Delivery for Serious Back of the Eye Diseases





Suprachoroidal Delivery via SCS Microinjector®

Core Advantages of Treating Via the Suprachoroidal Space (SCS®)





TARGETED

for efficacy¹

The back of the eye is the location of many irreversible and debilitating visual impairments

COMPARTMENTALIZED

for safety²

Drug is compartmentalized in the suprachoroidal space, keeping it away from non-diseased tissues and entirely behind the visual field

BIOAVAILABLE & PROLONGED DRUG LEVELS

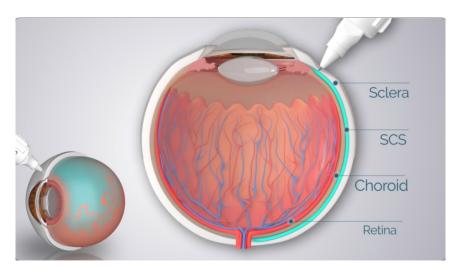
for durability³

Fluid spreads circumferentially and posteriorly when injected within the suprachoroidal space, bathing the choroid, retina and adjacent areas with drug



Source: 1. Rai UDJ, Young SA, Thrimawithana TR, et al. The suprachoroidal pathway: a new drug delivery route to the back of the eye. Drug Discov Today. 2015;20(4):491-495. ; 2. Chiang B, Jung JH, Prausnitz MR. The suprachoroidal space as a route of administration to the posterior segment of the eye. Adv Drug Deliv Rev. 2018;126:58-66. ; 3. Moisseiev E, Loewenstein A, Yiu G. The suprachoroidal space: from potential space to a space with potential. Clin Ophthalmol. 2016;10:173-178.

Clearside's SCS Microinjector®: Only Commercially-Available Approach for Suprachoroidal Drug Delivery



SUPRACHOROIDAL SPACE INJECTION

Novel SCS Microinjector[®] shows a demonstrated ability for precise delivery into the suprachoroidal space (SCS)

Versatile: 6 SCS clinical trials in 5 indications delivering 4 potential therapies

· Thousands of injections performed with SCS Microinjector



Safety profile of SCS Microinjector comparable to intravitreal injections¹

- - Well accepted by retinal physicians following launch of XIPERE[®]
 - More than 1,200 physicians trained



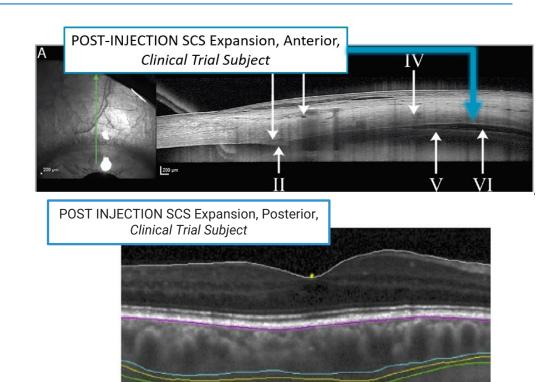
Exclusive Access to the Back of the Eye Using Clearside's Proprietary SCS Microinjector[®]





SCS Microinjector®: Delivers Drugs Circumferentially and Posteriorly to the Macula

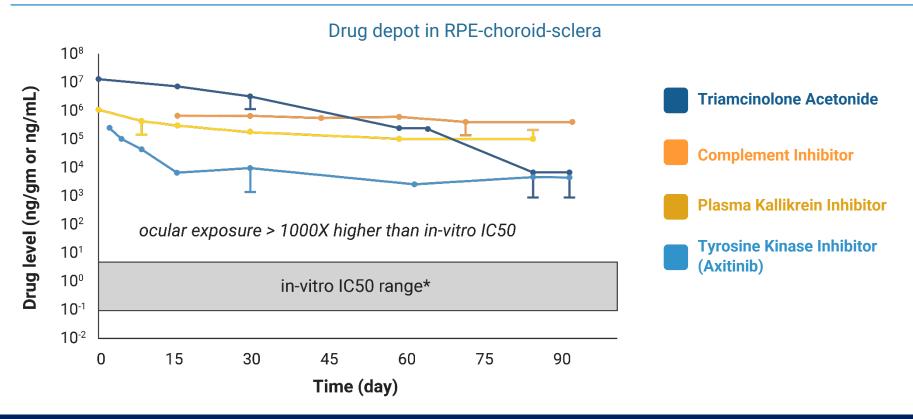
- SCS is a potential space that expands after injection, including the macula SCS
- Natural pressure gradient drives injectate toward lower pressured posterior SCS
- Suprachoroidally injected drug levels are similar peripherally and centrally in the retina and SCS in a preclinical model





Sources: Lampen SIR, Khurana RN, Noronha G, Brown DM, Wykoff CC. Suprachoroidal Space Alterations Following Delivery of Triamcinolone Acetonide: Post-Hoc Analysis of the Phase 1/2 HULK Study of Patientes With Diabetic Macular Edema. Ophthalmic Surg Lasers Imaging Retina: 2018;49(9):692-697. doi:10.2039/23258160-20180831-07; Kansara VS, Gooper M, Sesenagolu-Laird O, Muya L, Moen R, Ciulla TA, Suprachoroidal Delivered DNA Nanoparticles Transfect Retina and Retinal Pigment Epithelium/Choroid in Rabbits. Transl Vis Sci Technol. 2020;9(13):21. Published 2020 Dec 15. doi:10.1167/tvst.9.13.21 | Leroy Muya, Viral Kansara, Thomas Ciulla; Pharmacokinetics and Ocular Tolerability of Suprachoroidal CLS-XX (axitinib injectable suspension) in rabbits. Invest. Ophthalmol. Vis. Sci. 2020;61(7):4925 | Emi K, Pederson JE, Toris CB. Hydrostatic pressure of the suprachoroidal space. Invest Ophthalmol Vis Sci. 1989;30(2):233-238. Willoughby et al., Choroidal Changes After Suprachoroidal injection of Triamcinolone Acetonide in EyesWith Macular Edema Secondary to Retinal VeinoCclusion, American Journal of Ophthalmology, Feb 2018.

Preclinical Data Supports Durability Potential of Small Molecule Suspensions Delivered into the Suprachoroidal Space





Sources for in-vitro IC50 range*: Stellato et al. J Allergy Clin Immol. 1999 volume 104, number 3, part 1 | Yuan et al. Haematologica 2017 Mar, 102(3) 466-475 | Inlyta, EMA 2012 May; CHMP assessment report | 2014 R13 HAE conference, Che, Wilson, Babu, Preclinical Characterization of BCX4161, an oral plasma kallikrein inhibitor, for the treatment of Hereditary Angioedema.

Drug Delivery Using Clearside's Proprietary SCS Microinjector®





KEY INTELLECTUAL PROPERTY COMPONENTS

- 1. Comprehensive IP portfolio that includes protection of: SCS delivery technology, proprietary SCS Microinjector[®], treatment of various conditions with SCS administration of therapeutic products
- 2. 28 U.S. and >80 European and International issued patents with multiple pending patent applications
- 3. Granted patents provide exclusivity for our delivery technology and product candidates to mid-2030s with pending applications **potentially extending exclusivity beyond 2040**



DEVICE PATENTS

- SCS Microinjector[®] features
- Methods of using SCS Microinjector[®] for drug delivery
- Device using an adjustable needle



DRUG PATENTS

- Administration of a variety of drugs to the suprachoroidal space by microinjection
- Administration of a variety of drugs to the eye by inserting a microinjector into the sclera



DISEASE PATENTS

 Methods of treating posterior ocular disorders by SCS administration



Clearside Biomedical Suprachoroidal Injection Platform

Clearside Developed Programs								
THERAPEUTIC	ТҮРЕ	INDICATION	IND-ENABLING	PHASE 1	PHASE 2	PHASE 3	APPROVAL	PARTNER
CLS-AX (axitinib):	Tyrosine Kinase Inhibitor	Wet AMD	Phase 2b OVSSEY					
XIPERE®	Corticosteroid (Triamcinolone Acetonide)	Uveitic Macular Edema ¹ (U.S. & Canada)						B+L BAUSCH+LOMB
XIPERE® / ARCATUS™	Corticosteroid (Triamcinolone Acetonide)	Uveitic Macular Edema ² Diabetic Macular Edema ²				UME		O arctic VISION
XIPERE® / ARCATUS™	Corticosteroid (Triamcinolone Acetonide)	(Asia Pacific ex-Japan)		DME				O arctic VISION

SCS Microinjector[®] Partner Clinical Development Programs

		· · · ·						
THERAPEUTIC	ТҮРЕ	INDICATION	IND-ENABLING	PHASE 1	PHASE 2	PHASE 3	APPROVAL	PARTNER
Bel-Sar	Viral-like Drug Conjugate	Choroidal Melanoma			Со	Mpass		aura
ABBV-RGX-314	AAV Gene Therapy	Diabetic Retinopathy		ALT	ITUDE			®ENXBIO Abbvie
ABBV-RGX-314	AAV Gene Therapy	Wet AMD		AA	VIATE			<pre></pre>
Avoralstat	Plasma Kallikrein Inhibitor	Diabetic Macular Edema						biocryst



¹XIPERE[®] (triamcinolone acetonide injectable suspension), for suprachoroidal use has received U.S. FDA Approval and is being commercialized by Bausch + Lomb. ²In China, Arctic Vision is responsible for clinical development of ARCATUS[™] (triamcinolone acetonide injectable suspension), formerly referred to as ARVN001, and known as XIPERE[®] in the U.S.

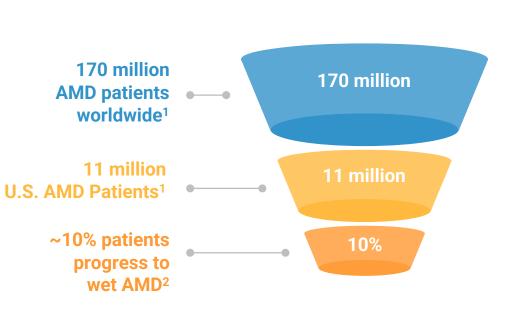
SCS Lead Program: CLS-AX

(axitinib injectable suspension)

New mechanism of action with potential for longer duration of effect

Age-Related Macular Degeneration (AMD)





- AMD causes a progressive loss of central vision and is the most common cause of blindness in individuals over age 55¹
 - Majority of blindness in individuals with AMD is caused by the advanced neovascular stage of the disease (wet AMD)¹
- U.S. prevalence expected to increase to 22 million by the year 2050¹
- Global prevalence expected to increase to 288 million by the year 2040¹
- Current treatments require frequent injections and subset of patients with disappointing visual outcomes²
- Opportunity for treatments that may have longer duration of action and may address subresponders to current anti-VEGF-A treatments



Sources: ¹ Pennington, Katie L and DeAngelis, Margaret M, Eye and Vision, Epidemiology of age-related macular degeneration (AMD): associations with cardiovascular disease phenotypes and lipid factors, Dec 22, 2016. ² Prall, F Ryan and Ciulla, Thomas A, Medscape: Exudative (Wet) Age-Related Macular Degeneration (AMD), June 16, 2022.

CLS-AX (axitinib): Pan-VEGF TKI in Development for Wet AMD



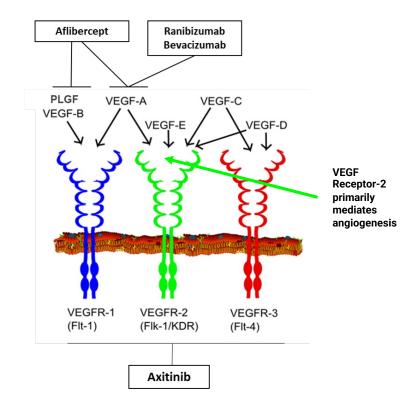
- Intrinsic pan-VEGF inhibition through receptor blockade
- · Approved AMD treatments are focused VEGF-A inhibitors

Inhibits VEGFR-1, VEGFR-2, VEGFR-3 receptors

- More active than anti-VEGF-A in *in-vitro* angiogenesis model¹⁻²
- Highly potent tyrosine kinase inhibitor (TKI)
 - >10x more potent than other TKIs in in-vitro studies³
 - Better ocular cell biocompatibility than other TKIs⁴
 - More active than other TKIs for experimental corneal neovascularization in preclinical models

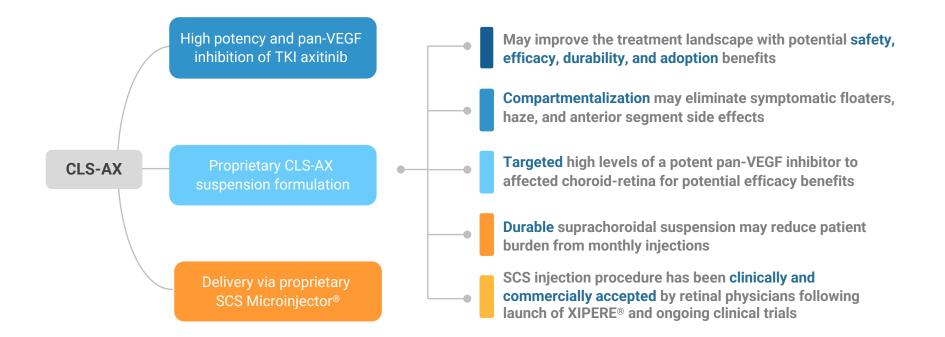


Preclinical data showed axitinib inhibition and regression of angiogenesis





Sources: 1. Cabral T et al. Bevacizumab Injection in Patients with Neovascular Age-Related Macular Degeneration Increases Angiogenic Biomarkers. Ophthalmol Retina. 2018 January ; 2(1): 31–37. doi:10.1016/j.oret.2017.04.004. | 2. Lieu et al. The Association of Alternate VEGF Ligands with Resistance to Anti-VEGF Therapy in Metastatic Colorectal Cancer. PLoS ONE 8(10): e77117. | 3. Gross-Goupil et al. Axitinib: A Review of its Safety and Efficacy in the Treatment of Adults with Advanced Renal Cell Carcinoma. Clinical Medicine Insights: Oncology 2013;7. | 4. Thiele et al. Multikinase Inhibitors as a New Approach in Neovascular Age-Related Macular Degeneration (AMD) Treatment: In Vitro Safety Evaluations of Axitinib, Pazopanib and Sorafenib for Intraocular Use. Klin Monatsbl Augenheilkd 2013; 230: 247-254. | Image by Mikael Häggström, used with permission. Häggström, Mikael (2014). "Medical gallery of Mikael Häggström 2014". WikiJournal of Medicine 1 (2). DOI: 10.15347/wim/2014.008. ISSN 2002-4436. Public Domain.





Axitinib is a tyrosine kinase inhibitor (TKI) | XIPERE® (triamcinolone acetonide injectable suspension), for suprachoroidal use has received U.S. FDA Approval. Please see Important Safety Information for XIPERE in the Full Prescribing Information: https://www.bauschhealth.com/Portals/25/Pdf/Pl/XIPERE-Pl.pdf. | Source: Viral S. Kansara, Leroy W. Muya, Thomas A. Ciulla; Evaluation of Long-Lasting Potential of Suprachoroidal Axitinib Suspension Via Ocular and Systemic Disposition in Rabbits. *Trans. Vis. Sci. Tech.* 2021;10(7):19.

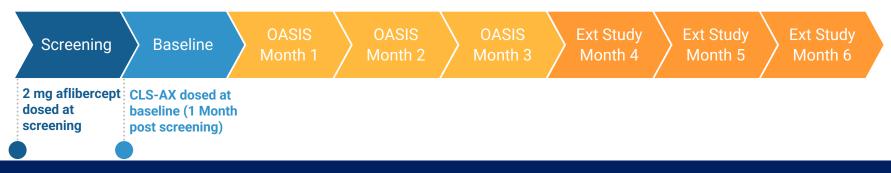
CLS-AX Phase 1/2a Clinical Trial

Observed Positive Safety Profile, Durability, & Treatment Burden Reduction

OASIS and Extension Study: CLS-AX Phase 1/2a Clinical Trial in Treatment-Experienced Wet AMD Patients with Active Disease at Screening

TRIAL DESIGN AND OBJECTIVES

- Open-label study with a primary 3-month endpoint to evaluate safety and tolerability of escalating single doses of CLS-AX administered through suprachoroidal injection following IVT aflibercept
- Wet AMD patients with >2 anti-VEGF treatments in the prior 4 months, reading center confirmation of persistent active disease
- Dose-escalation of CLS-AX (in mg): Cohort 1 at 0.03; Cohort 2 at 0.1; Cohort 3 at 0.5; Cohort 4 at 1.0
- · Secondary endpoints: visual function, ocular anatomy, and need for additional treatment
- Monthly assessment for additional treatment with aflibercept: loss from best measurement of <a>10 letters in BCVA with exudation; increase in CST
 75 microns; a vision-threatening hemorrhage
- Extension study: Total of 6 months' follow-up for patients in Cohorts 2, 3, & 4 who chose to continue for an additional 3 months





Note: aflibercept is dosed via intravitreal injection (IVT); CLS-AX is dosed via suprachoroidal injection | clinicaltrials.gov NCT# 04626128 Active Disease definition: Active subfoveal choroidal neovascularization (CNV) secondary to AMD in the study eye confirmed by an independent reading center as leakage from a subfoveal CNV on fluorescein angiography and intra-retinal or sub-retinal fluid on OCT central subfield) Cohort 1 not offered extension trial

CLS-AX OASIS Extension Trial:

Demonstrated Excellent Safety Profile and Promising Durability and Biologic Effect

SAFETY DATA

- Excellent safety profile at all doses and timepoints.
- No Serious Adverse Events
- No dose limiting toxicities
- No Adverse Events (AEs) from inflammation
- No AEs related to intraocular pressure

DURABILITY

- Patients not requiring additional therapy:
 - ≥ 3 Months: 11/12 (92%)
 - ≥ 4 Months: 10/12 (83%)
 - ≥ 6 Months: 8/12 (67%)
 - > 6 Months: 6/12 (50%)

CASIS

BIOLOGIC EFFECT

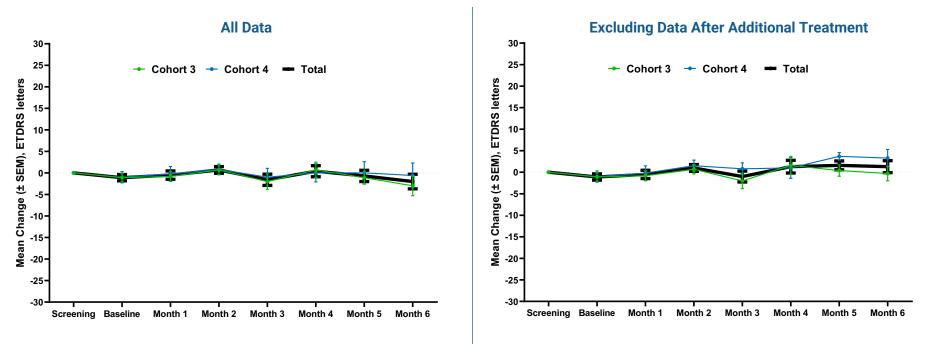
- Stable mean Best Corrected Visual Acuity (BCVA)
- Stable mean Central Subfield Thickness (CST)
- On OCT, anatomical signs of TKI biologic effect observed in anti-VEGF treatmentexperienced sub-responders

REDUCED TREATMENT BURDEN

- ≥72% reduction in treatment burden In OASIS, to 3 months:
- 77% to 85% reduction in treatment burden in Extension Study, to 6 months



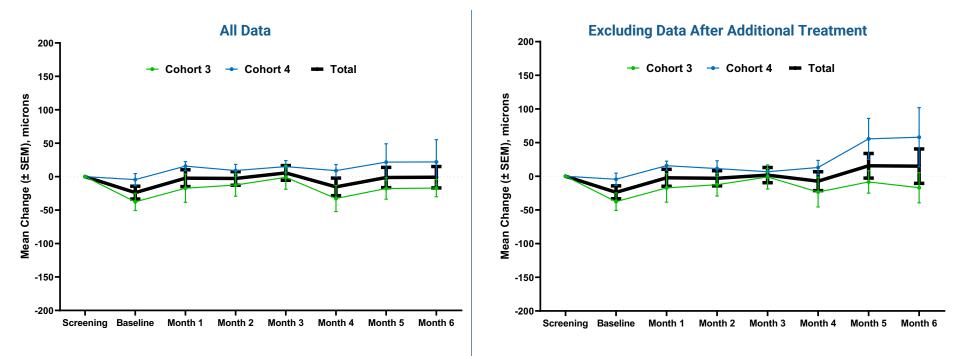






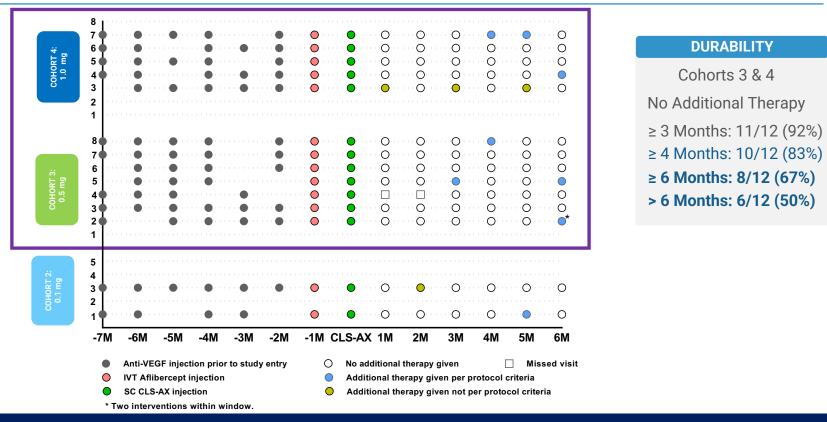
Extension Study (6 Month): Stable Central Subfield Thickness

Mean Central Subfield Thickness, Change from Screening





Extension Study (6 Month Data): Prior Anti-VEGF Therapies and <u>All Additional Therapies</u>





Extension Study (6 Month): CLS-AX Demonstrated Reduction of Treatment Burden Across Cohorts

Observed Reduction in Treatment Burden All Therapies

Observed Reduction in Treatment Burden Therapies Per Protocol Criteria

Cohort	Number of Participants	Avg Monthly Injections Before CLS-AX Administration	Avg Monthly Injections After CLS-AX Administration	% Reduction	Cohort	Number of Participants	Avg Monthly Injections Before CLS-AX Administration	Avg Monthly Injections After CLS-AX Administration	% Reduction
4	5	0.87	0.20	77.0	4	4	0.83	0.13	84.3
3	7	0.81	0.12	85.2	3	7	0.81	0.12	85.2
2	2	0.83	0.17	79.5	2	1	0.67	0.17	74.6

77 – 85% Reduction in Treatment Burden in Cohorts 3 and 4



Note: Average Monthly Injections Before CLS-AX Administration = # treatments six months prior/ 6. Average Monthly Injections After CLS-AX Administration = # treatments / # months of follow-up. % Reduction = Average of individual reductions calculated as (after – before) / before × 100%. Source: Clearside data on file.

CDYSSEY CLS-AX Phase 2b **Clinical Trial**

Recruitment Completed

ODYSSEY Phase 2b: Suprachoroidal Delivery Approach in Wet AMD



 CLS-AX has potential for 2-3x/year maintenance dosing compared to on-label maintenance dosing for approved drugs: LUCENTIS[®]: 12x/year | EYLEA[®]: 6x/year | VABYSMO[®]: up to 6x/year

- Intended to guide design of CLS-AX Phase 3 program to conform with FDA draft guidance for wet AMD drug development
- Topline results expected in Q3 2024



- Comparator aflibercept (2 mg) is standard of care for wet AMD patients
- Large population of treatment-experienced participants to facilitate trial enrollment
- Minimizes recruitment of anti-VEGF sub- and non-responders



ODYSSEY Trial Design: Treatment Experienced Participants with Active Disease

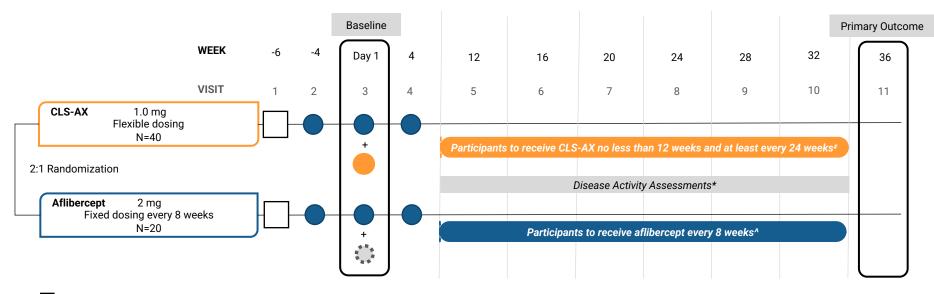
Key Inclusion Criteria	 Diagnosed with neovascular AMD (wet AMD) within 36 months of screening History of 2 to 4 anti-VEGF treatments in 6 months before screening and response to prior anti-VEGF treatment for wet AMD Reading center confirmation of persistent active disease; BCVA of 20 to 80 letters#
Dosing Regimen	 Participants in both arms will receive 3 aflibercept (2 mg) loading doses (2nd dose = Baseline visit) CLS-AX arm will receive one dose of CLS-AX (1.0 mg) at Baseline visit Unless DAA requires more frequent dosing, CLS-AX arm dosed at least every 24 weeks & aflibercept arm dosed every 8 weeks
Disease Activity Assessments (DAA)	 Monthly DAA: Weeks 12 through 32 in both arms to determine if there is need for supplemental treatment Supplemental treatment criteria[^]: Decrease in BCVA, increase in CST, or new or worsening vision-threatening hemorrhage due to wet AMD
Outcome Measures	 Primary: Mean change in BCVA from Baseline to Week 36; safety & tolerability Secondary: Other changes in visual function and ocular anatomy, such as CST; Need for supplemental treatment; Treatment burden as measured by total injections over trial duration



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BCVA (Best Corrected Visual Acuity) reduction of >10 letters from Baseline measurement due to wet AMD.
 Increase in CST (Central Subfield Thickness) of >100 microns on SD-OCT from Baseline measurement due to wet AMD.
 BCVA reduction of >5 letters from Baseline measurement due to wet AMD AND increase in CST of >75 microns on SD-OCT from Baseline measurement due to wet AMD.
 Presence of new or worsening vision-threatening hemorrhage due to wet AMD.

ODYSSEY Trial Designed to Provide Data for Phase 3



Screening visit

CLS-AX 1.0 mg Suprachoroidal Injection (SCS)

Aflibercept 2 mg Intravitreal Injection (IVT)

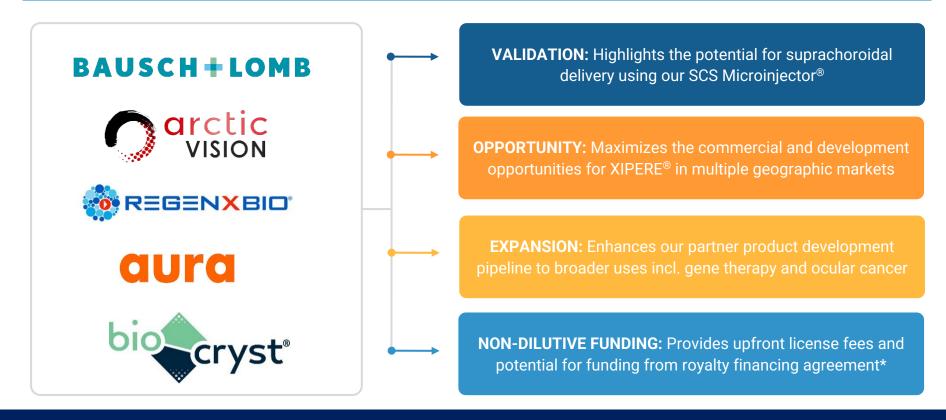
Sham Procedure



* Disease Activity Assessments (DAA): Conducted at Week 12 through 32 to determine need for supplemental treatment. # In CLS-AX arm, following 3 loading doses of aflibercept and initial dose of CLS-AX at Baseline, participants will receive CLS-AX at least every 24 weeks unless more frequently required based on DAA; if disease is active and participant is >12 weeks since last CLS-AX injection, participant receives dose of aflibercept; if disease is active and participant is >12 weeks since last CLS-AX injection, participant receives dose of CLS-AX. ^ In aflibercept arm, following 3 loading doses of aflibercept, participants will receive aflibercept on fixed dosing regimen every 8 weeks unless more frequently required based on DAA; if disease is active, and back dose of aflibercept, participants will receive aflibercept on fixed dosing regimen every 8 weeks unless more frequently required based on DAA; if disease is active, and back dose of aflibercept, participants will receive aflibercept on fixed dosing regimen every 8 weeks unless more frequently required based on DAA;

Strategic SCS Collaborations & Catalysts

Multiple Validating Partnerships to Drive Growth





XIPERE[®]: First FDA Approved Suprachoroidal Therapy Established Foundation for Small Molecule Suspension Pipeline



- First approved therapeutic delivered into the suprachoroidal space
- FDA Approved for macular edema associated with uveitis
- Clearside received US NDA approval then transferred NDA to B+L
- Launched Q1 2022 in U.S. by Bausch + Lomb
- Arctic Vision completing Phase 3 in China
- Commercialization and development partnerships to enhance value
 and expand patient access

BAUSCH+LOMB

License for the U.S. and Canada Received \$20M in payments to date Up to \$55M in post-approval milestone payments Tiered royalties from the high-teens to 20%



License for Greater China, South Korea, ASEAN Countries, India, Australia, New Zealand

Received \$13M in payments to date

Up to \$22.5M in milestone payments;

Tiered royalties of 10% to 12%



XIPERE® (triamcinolone acetonide injectable suspension), for suprachoroidal use has received U.S. FDA Approval. Please see Important Safety Information for XIPERE® in the Full Prescribing Information: https://www.bauschhealth.com/Portals/25/Pdf/Pl/XIPERE-Pl.pdf. | *Clearside's Phase 3 PEACHTREE Trial

SCS Microinjector®: Global Development & Commercialization Partners



GENE THERAPY FOR RETINAL DISEASES

- Exclusive worldwide rights for SCS delivery of adenoassociated virus (AAV) vector gene-based therapy ABBV-RGX-314 to treat wet AMD, diabetic retinopathy (DR) and certain other conditions
- Two ongoing Phase 2 multi-center, open-label, randomized, controlled, dose-escalation studies evaluating the efficacy, safety and tolerability of suprachoroidal delivery of ABBV-RGX-314
- First data ever presented utilizing gene therapy delivered into the suprachoroidal space*
- TERMS:
 - Up to \$136M in regulatory, development and sales milestones across certain VEGF mediated retinal diseases
 - Mid single digit royalties



OCULAR ONCOLOGY

- Exclusive worldwide licensing agreement for the SCS delivery of their proprietary drug candidates into the SCS for the potential treatment of certain ocular cancers, including choroidal melanoma
- Choroidal Melanoma is the most common, primary intraocular cancer in adults
- Completed Phase 2 trial of AU-011
- Planning to initiate Phase 3 pivotal trial in 2H 2023 using SCS administration exclusively
- TERMS:
 - Up to \$21M in regulatory, development, and sales milestones
 - Low to mid single digit royalties

*Retina Society 54th Annual Scientific Meeting presentation, Nikolas London, M.D., Oct 2021.
 Sources: CLSD, RGNX and AURA company filings.
 Note: future royalty and milestone payments related to these partnerships are subject to Clearside's royalty financing agreement signed in August 2022 with HealthCare Royalty Management, LLC.

New Partnership Expands the Utilization of SCS Microinjector®



PLASMA KALLIKREIN INHIBITOR FOR DIABETIC MACULA EDEMA

- Exclusive, worldwide license to Clearside's SCS Microinjector for the **delivery of BioCryst Pharmaceuticals' proprietary plasma kallikrein** inhibitor, avoralstat, for the treatment and prevention of diabetic macular edema (DME)
- Avoralstat has high potency and low solubility, characteristics that are ideal for suprachoroidal administration and important to achieving potential efficacy with reduced dosing frequency in the eye for DME patients
 - Delivering avoralstat directly into the suprachoroidal space could allow avoralstat to inhibit plasma kallikrein at the sites of edema formation in DME disease, the retinal and choroidal vascular endothelium
- Collaboration provides CLSD pipeline expansion with BioCryst advancing development of avoralstat into a proof-of-concept trial
- TERMS:
 - Clearside is eligible to receive \$82.5 million in total payments from BioCryst. This includes:
 - \$5 million upfront license fee
 - Up to \$30 million in clinical and regulatory milestone payments
 - Up to \$47.5 million in a series of post-approval sales-based milestone payments as annual global net sales progress to \$2B
 - Tiered mid-single digit royalties on annual global net product sales, including a top tier of greater than \$1.5B

Upcoming Clearside Catalysts

CLEARSIDE PROGRAMS

CLS-AX (axitinib injectable suspension)

• Q3 2024: ODYSSEY Phase 2b Topline Results

Medical/Scientific meeting presentations

- ✓ Q1 2024: Macula Society, Next Generation Ophthalmic Drug Delivery Summit
- Q4 2024: AAO

Publications

- Expert panel practice guidelines on SCS® delivery
- OASIS Data

SUPRACHOROIDAL PARTNER PROGRAMS

Arctic Vision: XIPERE[®] (ARCATUS[™]) in Asia-Pacific

- 2024: Results from Phase 3 UME trial in China
- **2024:** NDA submissions in various APAC territories

Aura Biosciences: AU-011 in choroidal melanoma

• 2024: Ongoing patient enrollment in Phase 3 trial

Bausch + Lomb: XIPERE® in North America

✓ Q1 2024: New permanent CPT code in U.S.

BioCryst Pharmaceuticals: Avoralstat in DME

- 2024: Conduct formulation and nonclinical work
- 2025: Begin clinical trials

REGENXBIO: ABBV-RGX-314 in wet AMD & DR

- ✓ Q1 2024: Present Phase 2 wet AMD data
- 2024: Ongoing progress in AAVIATE[®] & ALTITUDE[®]

XIPERE® (triamcinolone acetonide injectable suspension) for suprachoroidal use I In China, Arctic Vision is developing Arcatus[™] (triamcinolone acetonide injectable suspension), formerly referred to as ARVN001, and known as XIPERE® in the U.S. | REGENXBIO (RGNX) trials involve suprachoroidal delivery of RGX-314 using the SCS Microinjector® | Aura Biosciences trials involve suprachoroidal delivery of AU-011 using the SCS Microinjector®.

Clearside Biomedical: Leader in the Suprachoroidal Space

Pioneered Retinal Drug Delivery Behind the Visual Field

- SCS[®] Microinjector: provides in-office, non-surgical drug delivery to the Suprachoroidal Space (SCS[®])
- Robust safety profile: thousands of SCS injections performed
- **Versatile:** 6 ongoing SCS trials* with 4 potential therapies in 5 indications including wet AMD, DR, DME and choroidal melanoma
- XIPERE[®]: the first and only FDA-approved SCS product
- CLS-AX: Large market opportunity in wet AMD
 - New mechanism of action Pan VEGF inhibition
 - Unique mode of delivery SCS Microinjector[®]
 - Potential for:
 - · longer duration of effect and
 - meaningful treatment burden reduction



CLEARSIDE BIOMEDICAL

Nasdaq: CLSD