



CLEARSIDE BIOMEDICAL

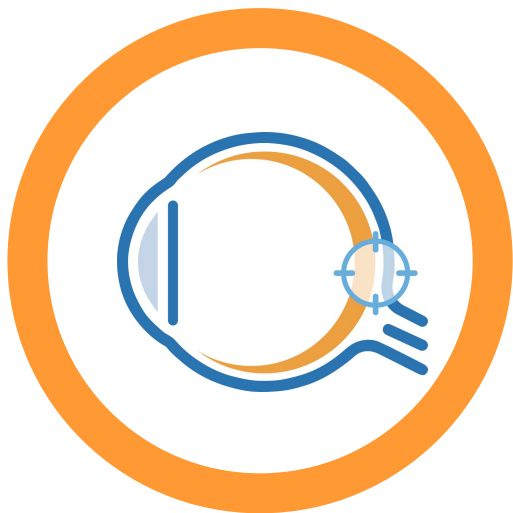
Corporate Presentation
November 2022



Forward-Looking Statements

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Developing and Delivering Treatments that Restore and Preserve Vision for Serious Back of the Eye Diseases



Versatile Therapeutic Platform

SCS Microinjector® with proprietary drug formulations target the suprachoroidal space

First FDA Approved Product: XIPERE™

Proprietary Access to the Suprachoroidal Space (SCS®)

Utilization Across Small Molecules and Gene Therapy

Ability to Target Multiple Ocular Diseases

Internal Research & Development Pipeline

External Collaborations for Pipeline Expansion

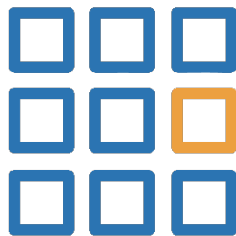
Core Advantages of Treating Via the Suprachoroidal Space (SCS®)



TARGETED

for efficacy

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



COMPARTMENTALIZED

for safety

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

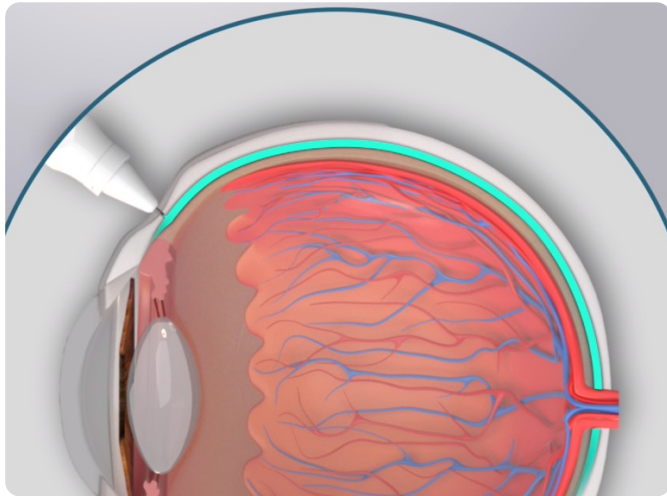


BIOAVAILABLE & PROLONGED DRUG LEVELS

for durability

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

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



SUPRACHOROIDAL SPACE INJECTION

Novel SCS Microinjector® allows for precise delivery into the suprachoroidal space

✓ **SCS injection procedure commercially accepted by retinal physicians following launch of XIPERE®**

- Thousands of SCS injections performed

✓ **Safety profile comparable to intravitreal injections¹**

- No Serious Adverse Events (SAEs) involving lens injury, suprachoroidal hemorrhage, or endophthalmitis have been observed

✓ **6 clinical trials ongoing including partner programs**

XIPERE™: First FDA Approved Suprachoroidal Therapy Establishes Foundation for Small Molecule Suspension Pipeline

(triamcinolone acetonide injectable suspension) 40 mg/mL

- Macular edema is the leading cause of vision loss in patients with non-infectious uveitis
- Commercialization and development partnerships With Bausch + Lomb and Arctic Vision to enhance value and expand patient access
- NDA approved on October 22, 2021;
- Launched Q1 2022 in US by Bausch + Lomb



First approved therapeutic delivered into the suprachoroidal space

First therapy for macular edema associated with uveitis

First commercial product developed by Clearside

First trial for uveitic macular edema using visual acuity change as a primary endpoint*

Pioneers in the Suprachoroidal Space (SCS®) with Patented Technology

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. **24 U.S. and >50 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**



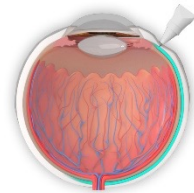
DEVICE PATENTS

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



DRUG PATENTS

- Administration of any drug to the suprachoroidal space by microinjection
- Administration of any drug to the eye by inserting a microinjector into the sclera



DISEASE PATENTS

- Methods of treating posterior ocular disorders by SCS administration

Suprachoroidal Delivery via SCS Microinjector[®]



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

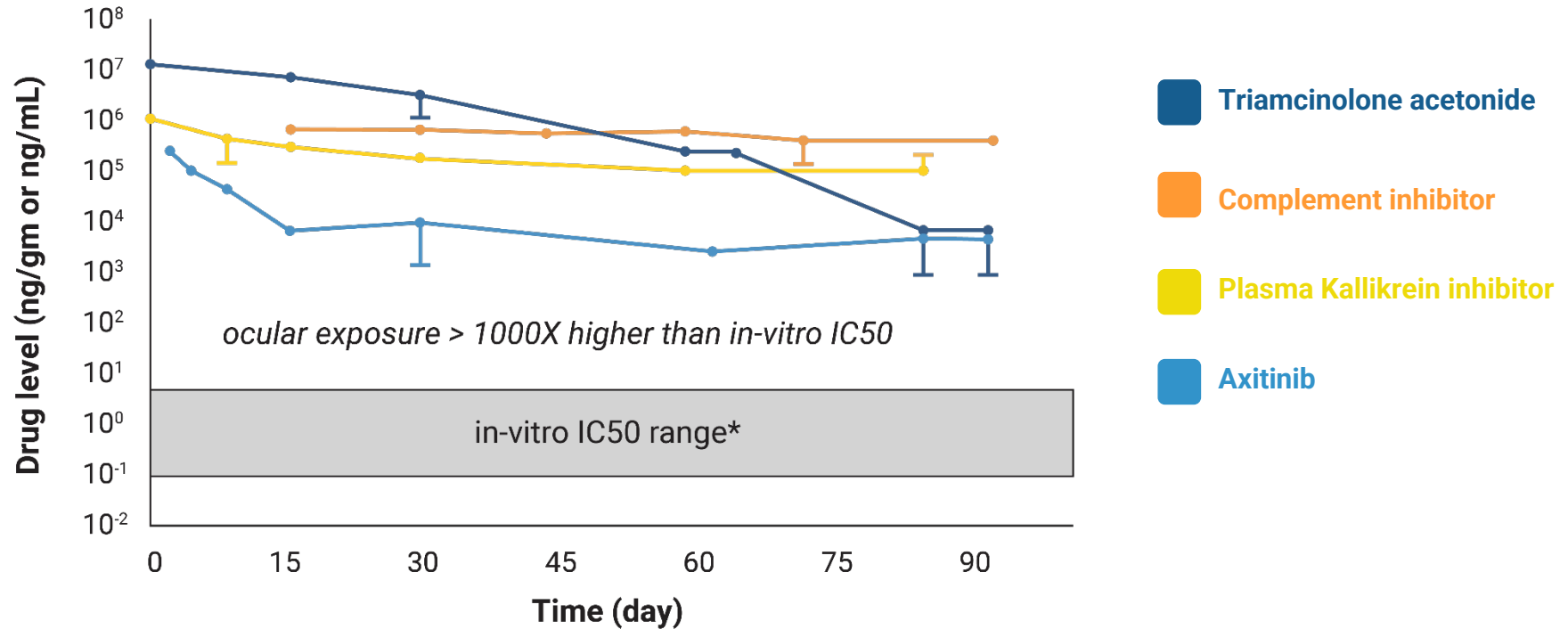


CLS-AX Delivered with SCS Microinjector[®] for Wet AMD



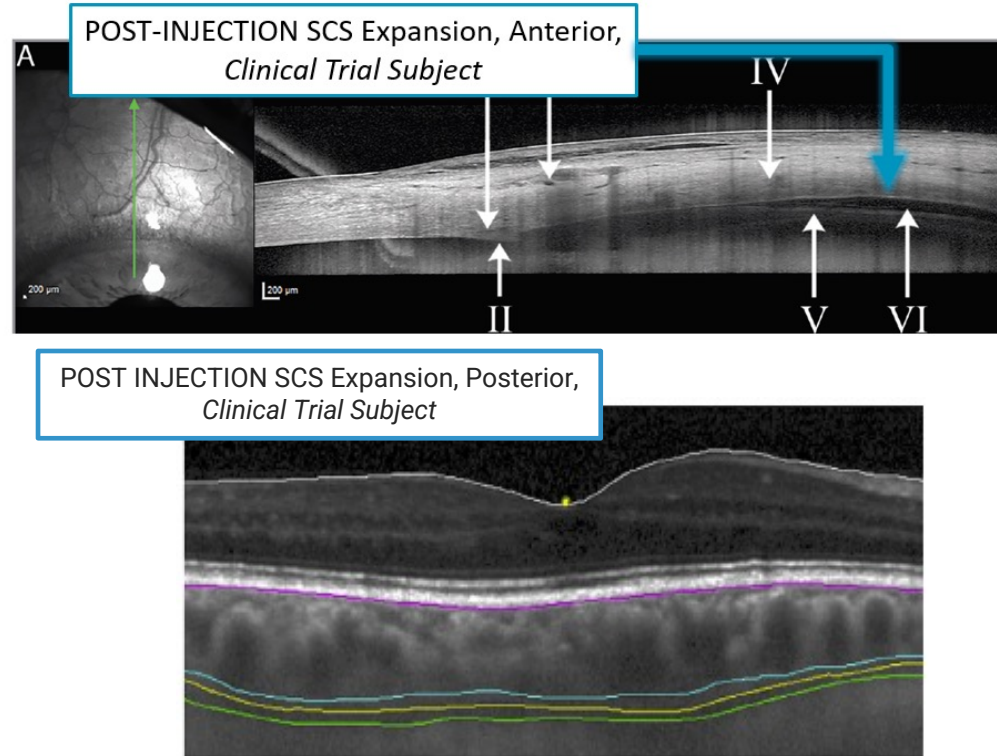
Preclinical Data Supports Durability Potential of Small Molecule Suspensions Delivered into the Suprachoroidal Space

Drug depot in RPE-choroid-sclera



SCS Microinjector Expands the SCS Circumferentially and Posteriorly to Deliver Drugs to the Macula

- A natural pressure gradient exists such that $IOP > \text{Anterior SCS Pressure} > \text{Posterior SCS Pressure}$
 - This gradient drives injectate towards the lower pressured posterior SCS
- OCT images demonstrate expansion of the SCS after injection, including the macula SCS in humans
- 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 Patients With Diabetic Macular Edema. *Ophthalmic Surg Lasers Imaging Retina*. 2018;49(9):692-697. doi:10.3928/23258160-20180831-07. | Kansara VS, Cooper M, Sesenoglu-Laird O, Muya L, Moen R, Ciulla TA. Suprachoroidally 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-AX (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 Eyes With Macular Edema Secondary to Retinal Vein Occlusion, *American Journal of Ophthalmology*, Feb 2018.

CLS-AX

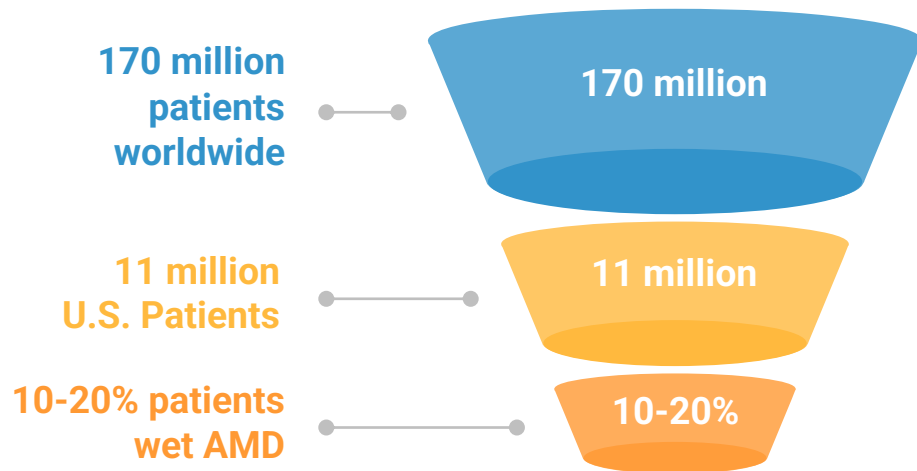
(axitinib injectable suspension)

for Suprachoroidal Injection



Age-Related Macular Degeneration (AMD)

A large and growing market opportunity



- ✓ AMD causes a progressive loss of central vision and is the most common cause of blindness in individuals over age 55
 - Neovascular or Wet AMD accounts for the majority of blindness
- ✓ U.S. prevalence expected to increase to 22 million by the year 2050
- ✓ Global prevalence expected to increase to 288 million by the year 2040
- ✓ Current treatments require frequent injections causing reduced compliance
 - Under-treatment contributes to limited outcomes

Current Wet AMD Therapies Lead to Under-Treatment and Limited “Real-World” Clinical Outcomes

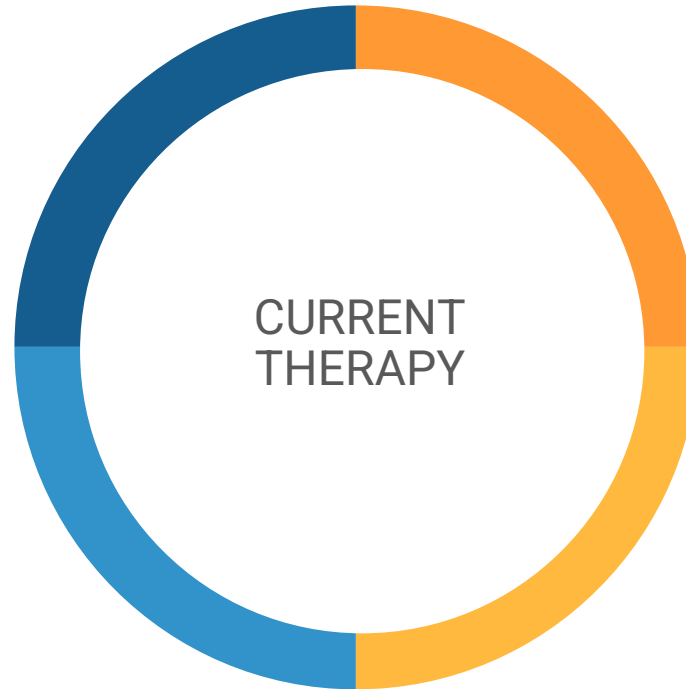
LIMITED OUTCOMES WITH CURRENT REGIMENS

With on-label anti-VEGF dosing, at 1 year¹⁻³:

- ~1/5 of patients lose BCVA
- ~1/2 do not achieve $\geq 20/40$
- ~2/3 do not gain ≥ 3 lines BCVA

CEILING OF EFFICACY

In clinical trials, more intensive anti-VEGF regimens or dosage yield no additional BCVA benefit^{1,6,7}



TREATMENT BURDEN

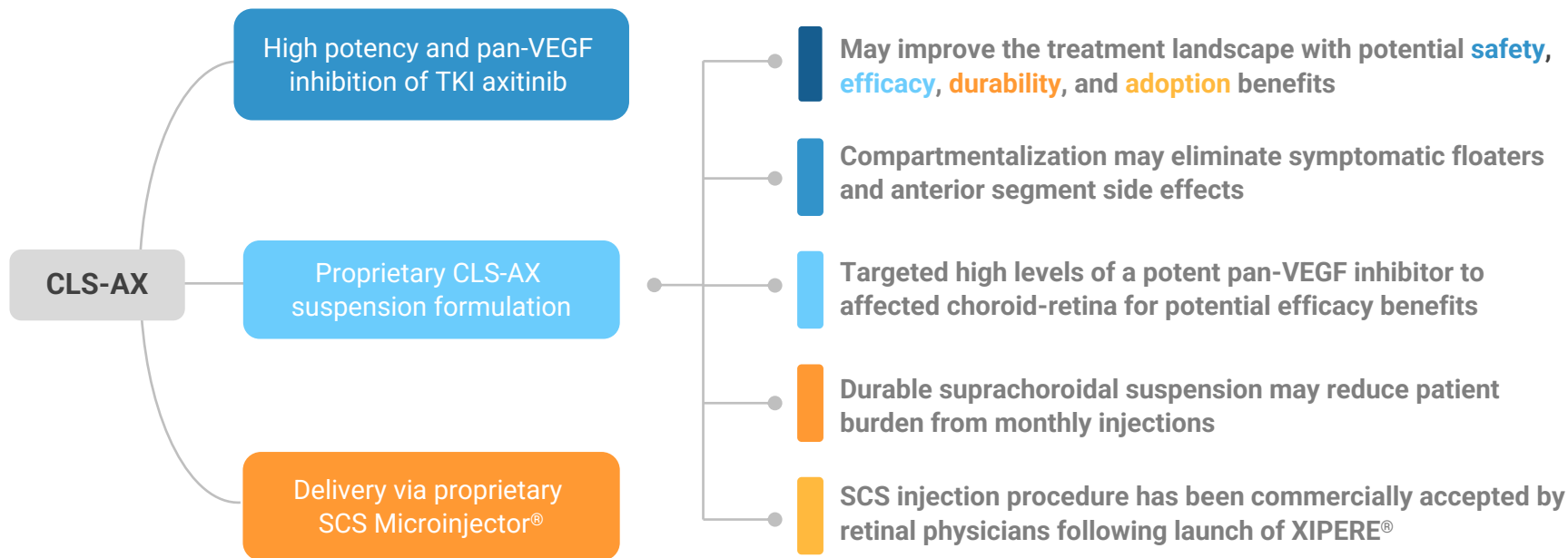
On-label dosing involves fixed frequent injections

UNDERTREATMENT AND LIMITED REAL-WORLD OUTCOMES

In clinical practice, patients cannot maintain intensive on-label dosing and are undertreated, improving by only 1-3 letters at 1 year^{4,5}

CLS-AX (axitinib injectable suspension) for Suprachoroidal Use

Leveraging a Highly Potent Pan-VEGF Inhibitor with Suprachoroidal Delivery



Axitinib: a Highly Potent, Pan-VEGF TKI to Treat Wet AMD



Axitinib's intrinsic pan-VEGF inhibition through receptor blockade

- Approved 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

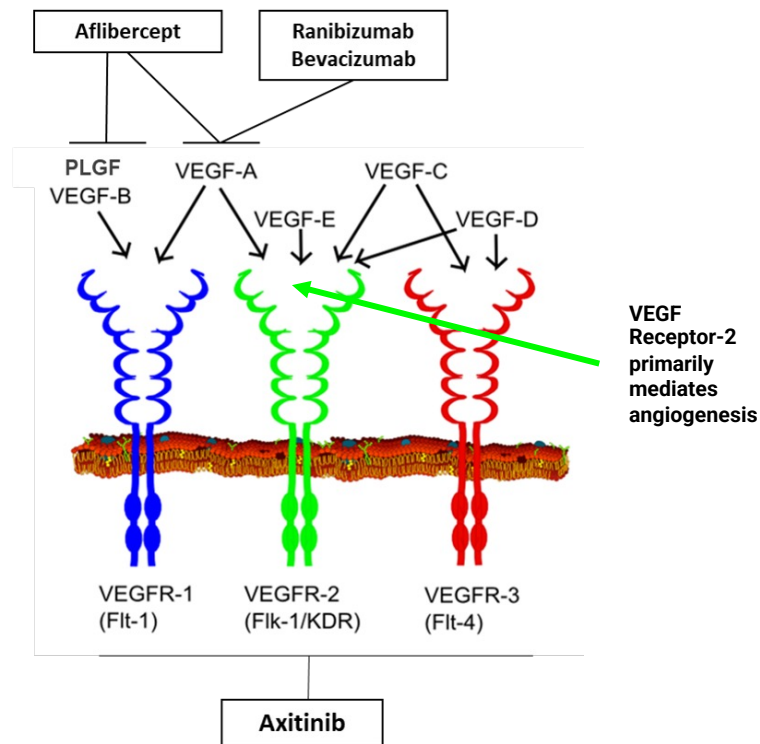


Highly potent tyrosine kinase inhibitor (TKI)

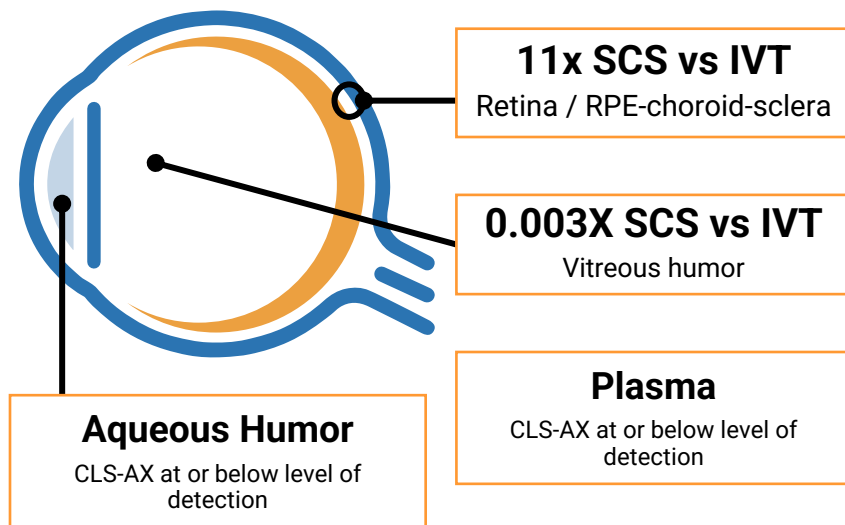
- >10x more potent than other TKIs in preclinical studies
- Better ocular cell biocompatibility than other TKIs³
- More active than other TKIs for experimental corneal neovascularization in preclinical models



Preclinical data showed axitinib inhibition and regression of angiogenesis



CLS-AX Injected Suprachoroidally Provides Targeted Delivery Relative to Intravitreal Injection at Same Dose

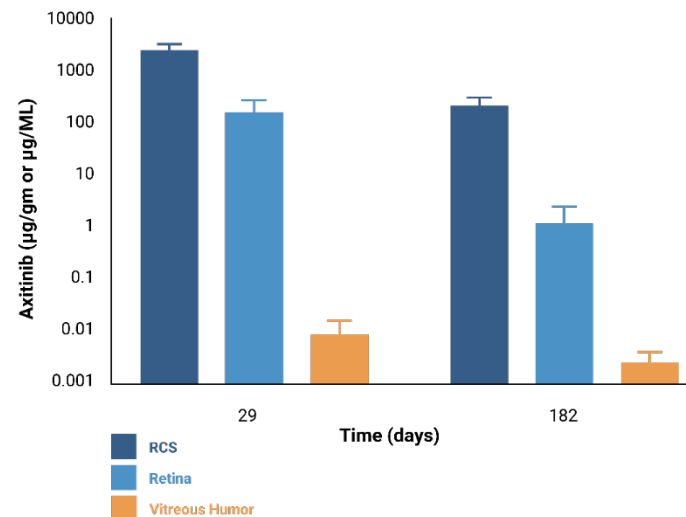


Rabbit Model Values: area under the curve ratios, SCS / IVT

SCS : 1 mg/eye, 100 μ L. | IVT: 1 mg/eye, 25 μ L
Single bilateral injection, 1-wk rabbit PK studies

CLS-AX has Potential for Meaningful Durability CLS-AX Levels to 6 Months

High Retina Levels: Sufficient to block VEGF pathway
Low Plasma Levels: <1 ng/mL



Rabbit toxicology study with single bilateral suprachoroidal injection of axitinib, 1.05 mg/eye (n=4 eyes/ timepoint)

OASIS RESULTS:

3-month final

6-month interim



OASIS (3 Month) and Extension Study (6 Month, Interim Data) Cohorts 3 and 4: Promising CLS-AX Safety Results, Durability and Biologic Effect

SAFETY RESULTS

- Excellent safety profile at all doses and timepoints
- No Serious Adverse Events
- No dose limiting toxicities
- No Adverse Events from inflammation

DURABILITY

In OASIS, to 3 months:

- $\geq 73\%$ reduction in treatment burden

In Extension Study, to 6 months (interim data):

- $\geq 90\%$ reduction in treatment burden



BIOLOGIC EFFECT

- Stable mean Best Corrected Visual Acuity (BCVA)
- Stable mean Central Subfield Thickness (CST)
- On optical coherence tomography (OCT), anatomical signs of tyrosine kinase inhibitor (TKI) biologic effect were observed in anti-VEGF treatment-experienced sub-responders

NEXT STEPS

- Follow remaining patients in Extension Study with final data expected in Q1 2023
- Initiate Phase 2 clinical trial in Q1 2023

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 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 ≥ 10 letters in BCVA with exudation; increase in CST > 75 microns; a vision-threatening hemorrhage
- 6-Month follow-up after CLS-AX via a 3-month Extension Study



OASIS Enrolled Heavily anti-VEGF Treatment-Experienced Wet AMD Patients

Patients were sub-responders with active disease at screening confirmed by reading center

Why target this patient population instead of treatment naïve or patients with controlled disease?

- Patients have a high need for effective therapy with lower treatment burden
- Minimizes the risk of false signals of biologic effect
- Facilitates assessment for biological effect in a difficult-to-treat nAMD patient population
- Facilitates assessment of an appropriate dose, not only based on both safety but also on biologic effect
- Represents a significant number of patients in clinical practice, with >30% sub-responders
- De-risks future clinical studies

Desired outcomes in this heavily treated patient population:

- Demonstrate safety and tolerability of CLS-AX
- Maintain stability of visual acuity and central subfield thickness with lower treatment burden

Enrolling difficult to treat anti-VEGF sub-responders allowed observation of possible signs of biologic effect while minimizing false signals

CLS-AX Demonstrated a Positive Safety Profile in All Four Cohorts

3-Month Final Data & 6-Month Interim Data

SAFETY RESULTS

Excellent Safety Profile at all doses and timepoints

- No serious adverse events (SAEs)
- No treatment emergent adverse events (TEAEs) related to study treatment
- No dose limiting toxicities
- No adverse events related to inflammation, vasculitis or vascular occlusion
- No vitreous “floaters” or dispersion of CLS-AX into the vitreous
- No retinal detachment
- No endophthalmitis
- No adverse events related to intraocular pressure

OASIS (3 Month): CLS-AX Reduced Treatment Burden Across All Cohorts

Reduction in Treatment Burden All Therapies

Cohort	Number of Participants	Avg Monthly Injections Before CLS-AX Administration	Avg Monthly Injections After CLS-AX Administration	% Reduction
4	8	0.88	0.25	72.9
3	8	0.75	0.13	79.2
2	5	0.93	0.37	63.3
1	6	0.94	0.28	69.4

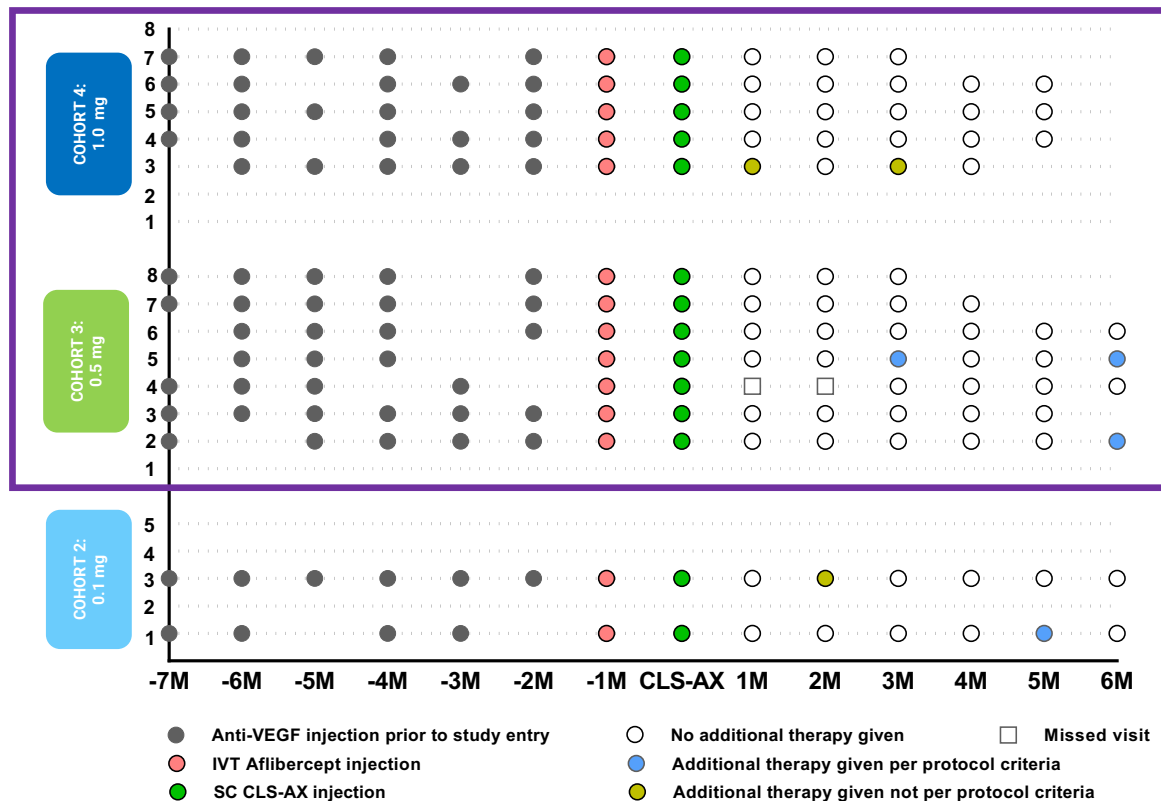
Reduction in Treatment Burden Therapies Per Protocol Criteria

Cohort	Number of Participants	Avg Monthly Injections Before CLS-AX Administration	Avg Monthly Injections After CLS-AX Administration	% Reduction
4	4	0.83	0	100
3	8	0.75	0.13	79.2
2	2	0.83	0.17	83.3
1	6	0.94	0.28	69.4

73 – 100% Reduction in Treatment Burden in Cohorts 3 and 4

Note: Average Monthly Injections Before CLS-AX Administration = # treatments three months prior / 3.
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.

Extension Study (6 Month, Interim Data): Prior Anti-VEGF Therapies and All Additional Therapies



DURABILITY

Cohorts 3 & 4

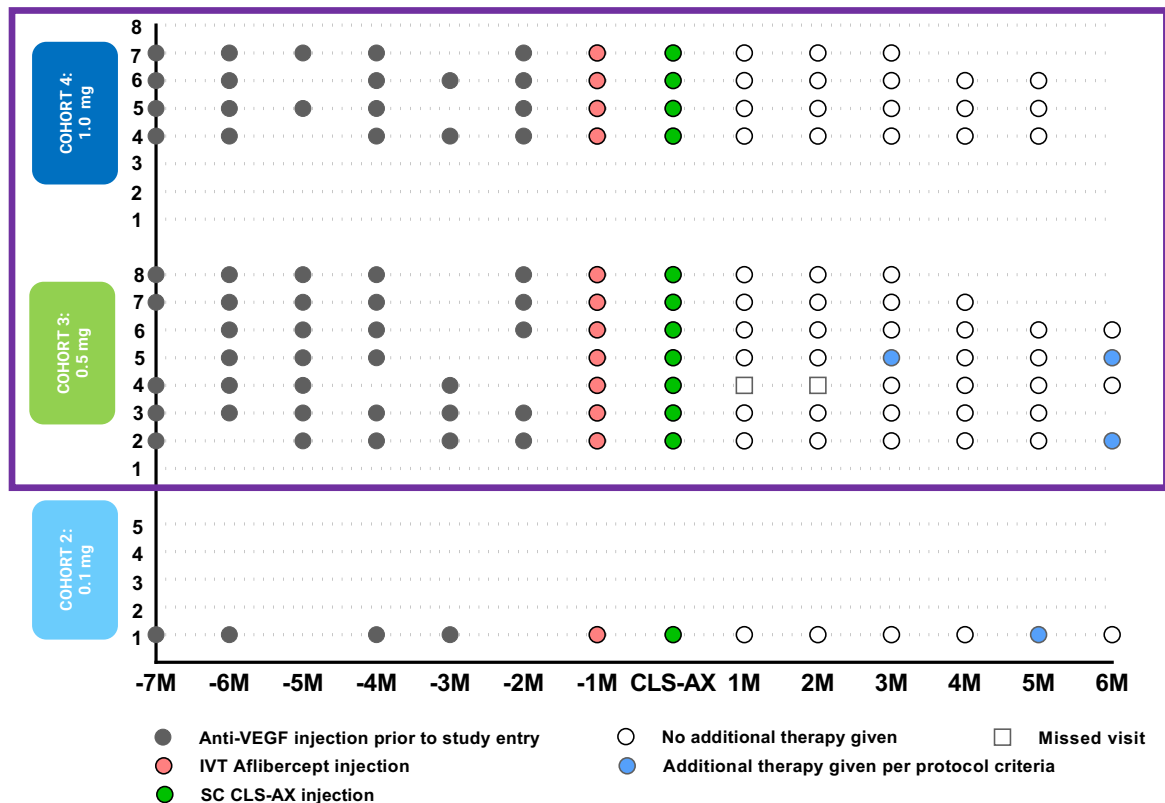
No Additional Therapy

To Month 4: 8/10

To Month 5: 7/8

To Month 6: 3/4

Extension Study (6 Month, Interim Data): Prior Anti-VEGF Therapies and Additional Therapies Per Protocol Criteria



DURABILITY

Cohorts 3 & 4

No Additional Therapy

To Month 4: 8/9

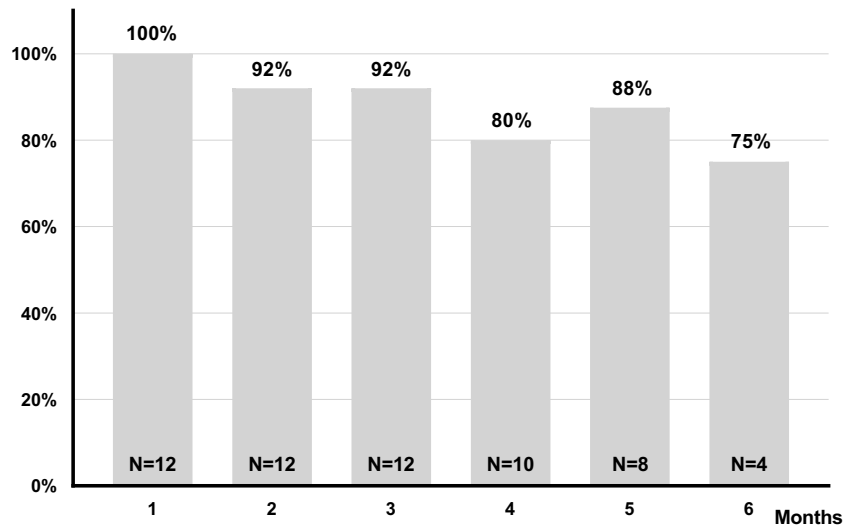
To Month 5: 7/8

To Month 6: 3/4

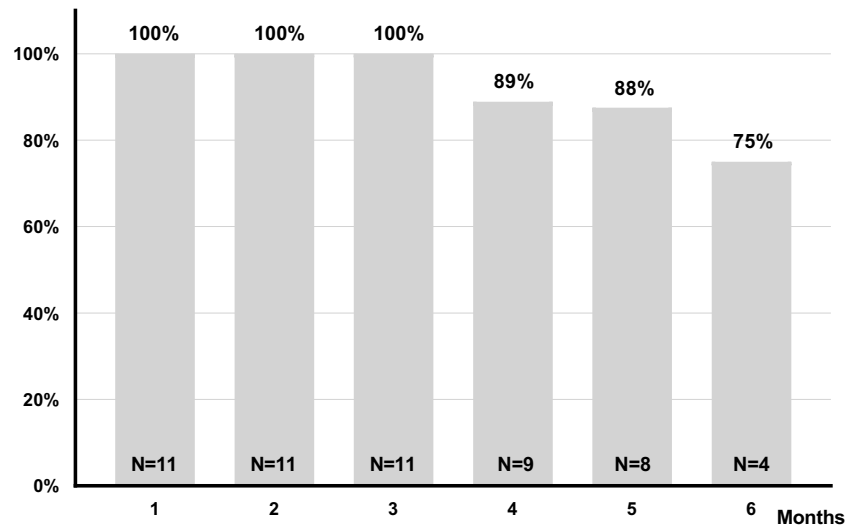
Extension Study (6 Month, Interim Data): Supplemental Anti-VEGF Injection-Free Rate up to Each Visit in Cohorts 3 and 4

Extension Study Interim Data: 75% of Patients with No Additional Therapy to Month 6

All Therapies



Therapies Per Protocol Criteria



Extension Study (6 Month, Interim Data): CLS-AX Reduced Treatment Burden Across Cohorts

Reduction in Treatment Burden All Therapies

Cohort	Number of Participants	Avg Monthly Injections Before CLS-AX Administration	Avg Monthly Injections After CLS-AX Administration	% Reduction
4	5	0.87	0.10	90.0
3	7	0.81	0.07	90.0
2	2	0.83	0.17	79.2

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
4	4	0.83	0	100
3	7	0.81	0.07	90.0
2	1	0.67	0.17	75.0

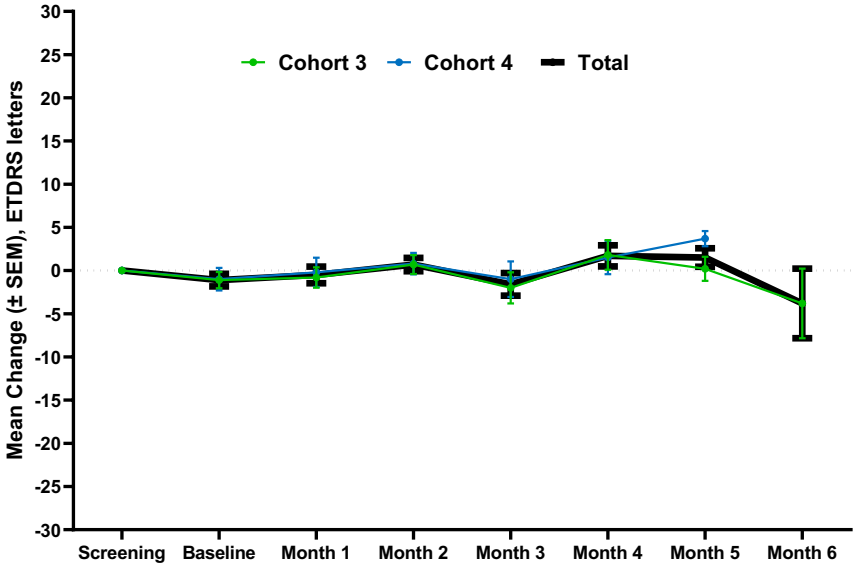
90 – 100% Reduction in Treatment Burden in Cohorts 3 and 4

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. | Extension Study interim data as of October 27, 2022.

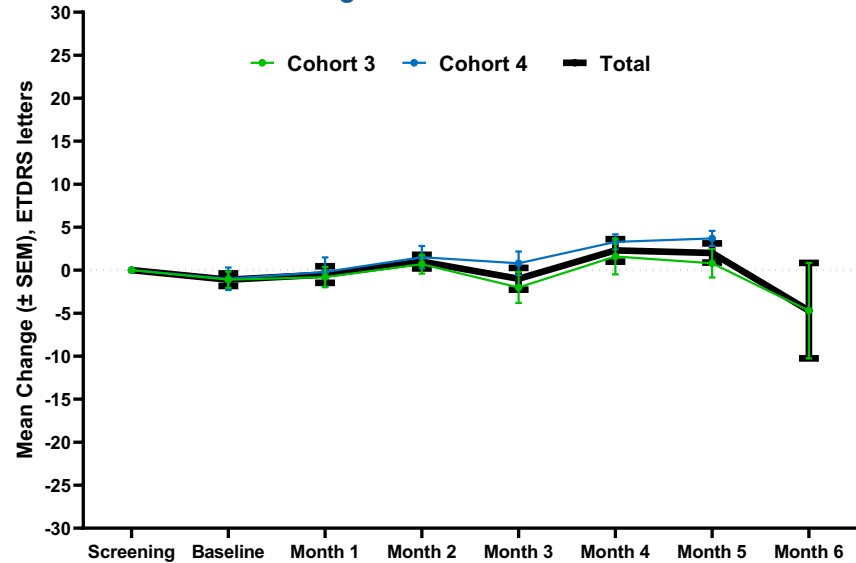
Extension Study (6 Month, Interim Data): Stable Visual Acuity

Mean Best Corrected Visual Acuity Letter Score, Change from Screening

All Data



Excluding Data After Additional Treatment



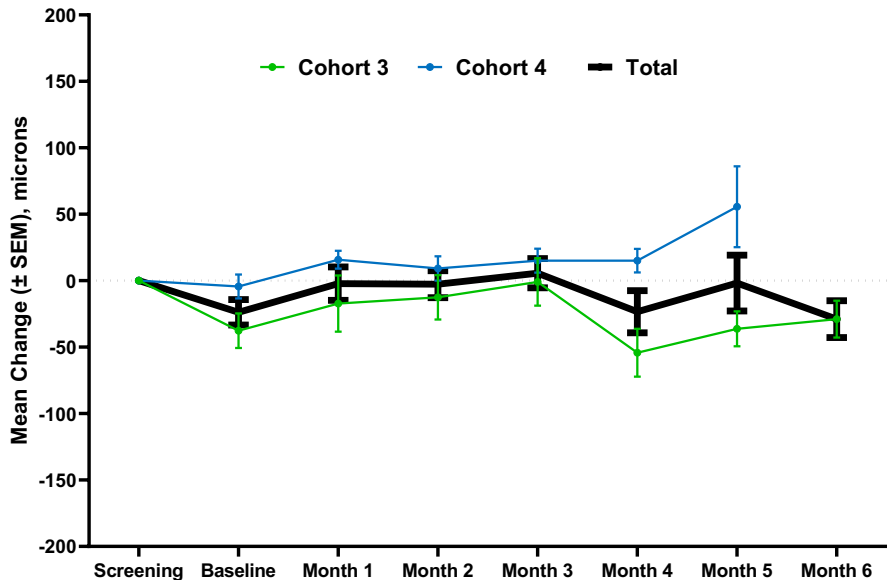
Cohort, n	Scr	Bl	Mth 1	Mth 2	Mth 3	Mth 4	Mth 5	Mth 6
3	7	7	6	6	7	6	5	4
4	5	5	5	5	5	4	3	0

Cohort, n	Scr	Bl	Mth 1	Mth 2	Mth 3	Mth 4	Mth 5	Mth 6
3	7	7	6	6	7	5	4	3
4	5	5	5	4	4	3	3	0

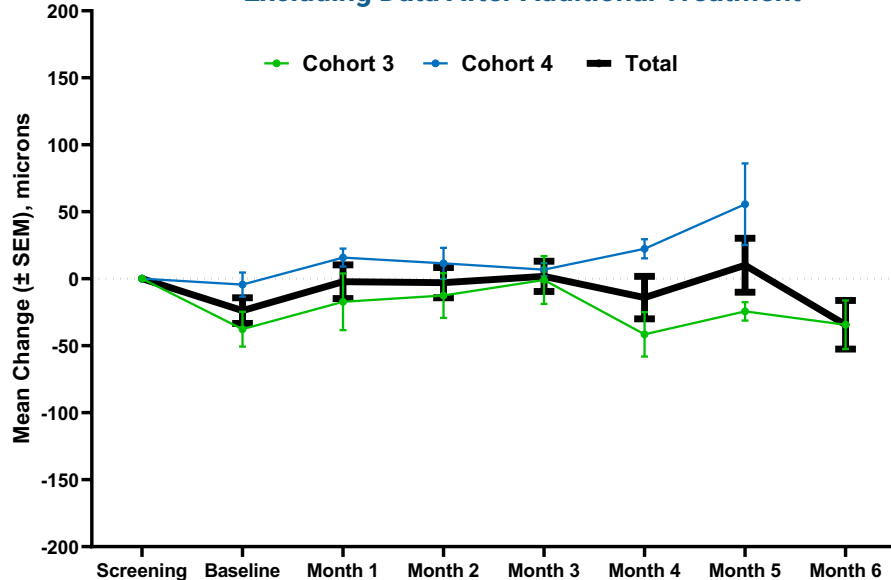
Extension Study (6 Month, Interim Data): Stable Central Subfield Thickness

Mean Central Subfield Thickness, Change from Screening

All Data



Excluding Data After Additional Treatment

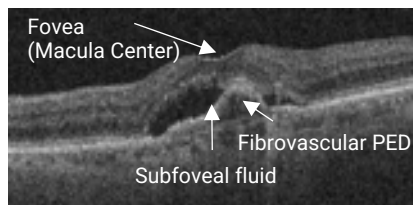


Cohort.n	Scr	Bl	Mth 1	Mth 2	Mth 3	Mth 4	Mth 5	Mth 6
3	7	7	6	6	7	5	5	4
4	5	5	5	5	5	4	3	0

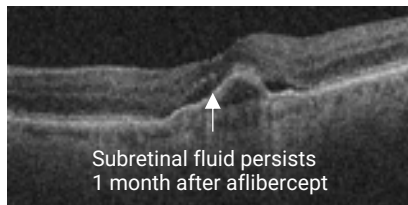
Cohort.n	Scr	Bl	Mth 1	Mth 2	Mth 3	Mth 4	Mth 5	Mth 6
3	7	7	6	6	7	4	4	3
4	5	5	5	4	4	3	3	0

6 Month Case Study: CLS-AX Demonstrated Biologic Effect in anti-VEGF Sub-responder

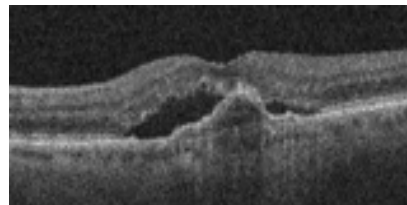
Cohort 3, Subject 2: 89 prior anti-VEGF injections with persistent subfoveal fluid 1 month after aflibercept at screen
Subretinal fluid gradually resolves through 4 months after CLS-AX with stable BCVA and improved CST



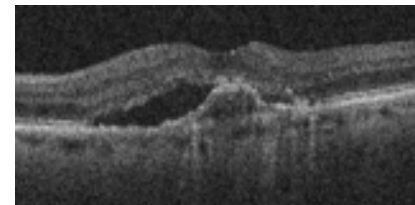
Screening: Aflibercept
BCVA 75, CST 265



Baseline: CLS-AX
BCVA 73, CST 218



Month 1
BCVA 78, CST 277



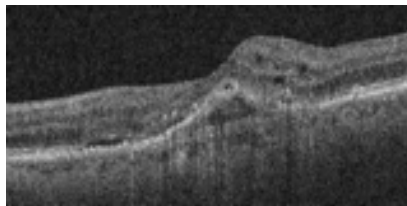
Month 2
BCVA 78, CST 253



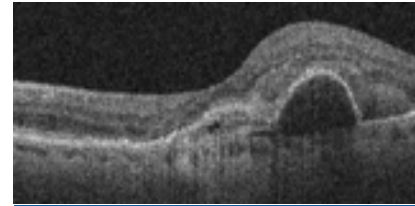
Month 3
BCVA 75, CST 221



Month 4
BCVA 74, CST 182



Month 5
BCVA 75, CST 223



Month 6: Additional therapy administered
BCVA 60, CST 224

CLS-AX in Suprachoroidal Space Demonstrates Promising Safety Results, Durability and Biologic Effect in Anti-VEGF Treatment Experienced Sub-responders


	OASIS Results	Competitive Advantages
Safety (All Cohorts)	Excellent Safety Profile at all doses and timepoints <ul style="list-style-type: none"> No SAEs, No TEAEs related to study treatment No dose limiting toxicities No AEs related to inflammation, vasculitis or vascular occlusion No vitreous "floaters" or dispersion of CLS-AX into the vitreous No retinal detachments or endophthalmitis No AEs related to intraocular pressure 	<ul style="list-style-type: none"> As a well-characterized small molecule, less risk for inflammation than a novel biologic agent No need for an operating room setting No risk of implant migration and very low risk of vitreous "floaters" or haze SCS injection procedure commercially accepted by retinal physicians following launch of XIPIRE®
Durability (Cohorts 3&4)	In OASIS, to 3-month timepoint (N=16): <ul style="list-style-type: none"> 69% of patients did not receive additional therapy 92% of patients did not receive additional therapy per protocol ≥73% reduction in treatment burden In Extension Study interim data (N=12): <ul style="list-style-type: none"> To Month 5: 88% (7/8) of patients did not receive addl therapy To Month 6: 75% (3/4) of patients did not receive addl therapy ≥90% reduction in treatment burden 	<ul style="list-style-type: none"> CLS-AX showed preliminary signs of durability favorably comparing to other current and investigational intravitreally injected biologic agents Based on interim extension data at higher doses, CLS-AX suprachoroidal suspension demonstrated it may have durability of effect that favorably compares to other extended release TKI formulations
Biologic Effect (Cohorts 3&4)	CLS-AX showed signs of biologic effect: <ul style="list-style-type: none"> Stable mean BCVA Stable mean CST On OCT, anatomical signs of TKI biologic effect were observed in anti-VEGF treatment-experienced sub-responders 	<ul style="list-style-type: none"> The most potent TKI in nAMD trials, differentiated from focused VEGF-A blockade Targeted high levels to affected choroid-retina may further leverage efficacy, particularly in anti-VEGF sub-responders

Strategic SCS Collaboration Pipeline



Suprachoroidal Space (SCS®) Injection Platform

Internal Development Pipeline

PROGRAM	THERAPEUTIC ENTITY	INDICATION	RESEARCH	PRECLINICAL	PHASE 1/2	PHASE 3
CLS-AX (axitinib)	Small Molecule	Wet AMD	Extension Study Ongoing			
CLS-301 (integrin inhibitor)	Small Molecule	Diabetic Macular Edema (DME)				
GENE THERAPY	Non-Viral & Viral Vectors	Open to Partnering				

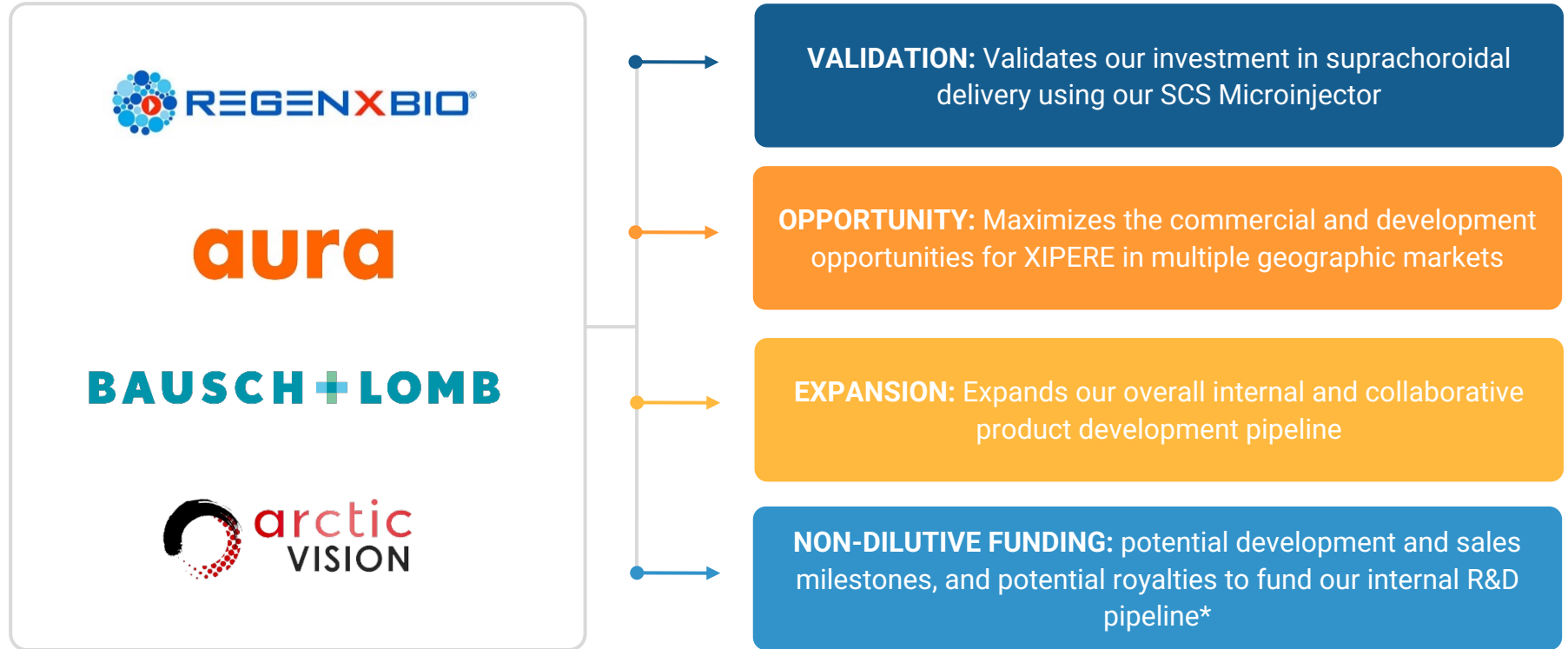
SCS Microinjector® Partner Programs

PARTNER	THERAPEUTIC ENTITY	LICENSED INDICATION	IND-Enabling	PHASE 2	PHASE 3	APPROVAL
REGENXBIO	AAV-based Gene Therapy	Wet AMD (AAVIATE)				
REGENXBIO	AAV-based Gene Therapy	Diabetic Retinopathy (ALTITUDE)				
AURA BIOSCIENCES	Viral-like Drug Conjugate	Ocular Oncology/Choroidal Melanoma				

XIPERE® Commercial Partners

PARTNER	INDICATION	LICENSED TERRITORY	PRE-CLINICAL	PHASE 1	PHASE 2	PHASE 3	APPROVAL
BAUSCH + LOMB	Uveitic Macular Edema	U.S. & Canada					U.S.A.
ARCTIC VISION	Uveitic Macular Edema	Greater China, South Korea, ASEAN Countries, India, Australia, New Zealand	Arcatus™				
	Diabetic Macular Edema		Arcatus™				

Four Validating Partnerships to Drive Growth





THE OPPORTUNITY: GENE THERAPY FOR RETINAL DISEASES

- Exclusive worldwide rights to our SCS Microinjector for delivery of adeno-associated virus (AAV)-based therapeutics to the suprachoroidal space to treat wet AMD, diabetic retinopathy and certain other conditions for which anti-VEGF treatment is the standard of care
- Two ongoing multi-center, open-label, randomized, controlled, dose-escalation studies evaluating the efficacy, safety and tolerability of suprachoroidal delivery of RGX-314
- Delivery of gene therapy through the SCS may provide a targeted, in-office, non-surgical treatment approach option
- **First data ever presented utilizing gene therapy delivered into the suprachoroidal space**
- THE TERMS:
 - Up to \$136M in regulatory, development and sales milestones across certain VEGF mediated retinal diseases
 - Mid single digit royalties on net sales of SCS Microinjector products

THE OPPORTUNITY: OCULAR ONCOLOGY

- Worldwide licensing agreement for the use of our SCS Microinjector to deliver their proprietary drug candidates into the SCS for the potential treatment of certain ocular cancers, including choroidal melanoma (CM)
- Non-surgical alternative to intravitreal delivery of Aura's oncology drug candidates via our SCS Microinjector
- CM is the most common, primary intraocular tumor in adults
- THE TERMS:
 - Up to \$21M in regulatory and development milestones
 - Low to mid single digit royalties on net sales of SCS Microinjector products

AU-011 PHASE 2 CLINICAL TRIAL

- Evaluate Safety and Efficacy of AU-011 Via Suprachoroidal Administration in Subjects With Primary Indeterminate Lesions & Small Choroidal Melanoma
- **Positive interim data results (Q3 2022):**
 - **Positive safety profile with tolerability up to three cycles of therapy :** No treatment related SAEs or DLTs; no posterior inflammation; only Grade 1 anterior inflammation in 20% of patients
 - **Reduction in tumor growth rate and tumor control:** Cohorts 5-6 demonstrated stat sig reduction in tumor growth rate and an 88.9% (8/9) tumor control rate.
 - **Planning Phase 3 trial using SCS administration:** 3-arm randomized, masked trial in ~75 CM patients

XIPERE: Two Global Commercialization & Development Partners

**XIPERE**[®]
(triamcinolone acetonide
injectable suspension) 40 mg/mL

BAUSCH + LOMB

- License for the U.S. and Canada
- Received \$20M in upfront, U.S. approval and pre-launch milestones
- Up to \$57M in milestone payments
- Tiered royalties from the high-teens to 20%

**arctic**
VISION

- License for Greater China, South Korea, ASEAN Countries, India, Australia, New Zealand
- Received \$11M in upfront and U.S. approval payments
- Up to \$33M in additional approvals, development and sales milestones
- Tiered royalties of 10% to 12%

Non-Dilutive Royalty Financing Provides Cash Runway into 2024

FUNDING

- Upfront cash payment of \$32.5M, less certain expenses
- May receive up to \$65 million dollars
 - Additional \$12.5M deposited in an escrow account to be released to CLSD upon attainment of a pre-specified sales milestone for XIPIRE by 3/31/24
 - Eligible for additional payment of \$20M to CLSD upon attainment of a second, pre-specified 2024 XIPIRE sales milestone
- Provides funding into 2024

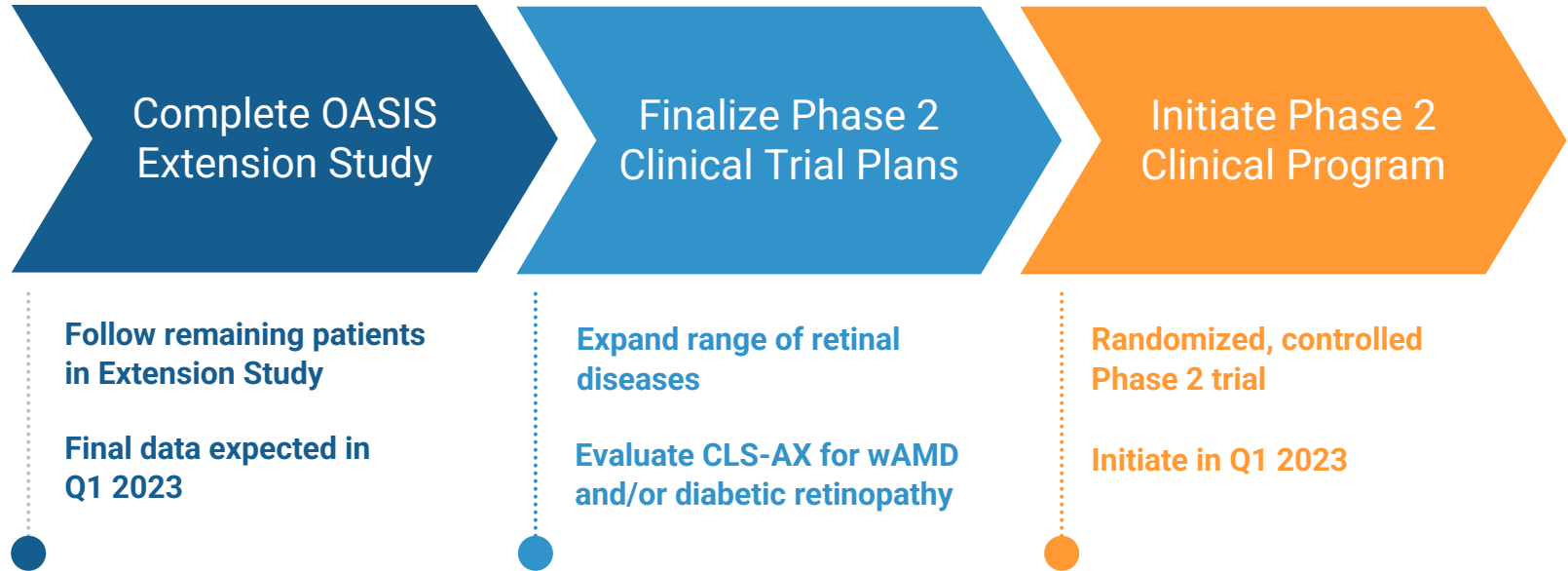
TERMS

- Funder will receive royalties and milestone payments due to CLSD from XIPIRE and certain SCS Microinjector license agreements
- Repayment capped at 2.5 times total payments received by CLSD. Then CLSD will keep any future royalty and milestone payments from these agreements
- Cap may be increased under certain circumstances after 2024
- **Excludes** all internally developed assets and programs, including CLS-AX, as well as any future in-licensed assets

Targeted Catalysts



Plans for Continued Progress with CLS-AX



Recent and Upcoming Targeted Catalysts

INTERNAL R&D PIPELINE

CLS-AX OASIS Phase 1/2a Clinical Trial

- ✓ **Q2:** Cohort 4 initiated
- ✓ **Q4:** Cohorts 3 & 4 data and complete OASIS analysis
- ✓ **Q4:** Cohort 2 data from 6-month extension

CLS-AX Phase 2 Clinical Trial

- **Q1 2023:** Initiate Phase 2 trial

Medical/Scientific meeting presentations

- ✓ **Q1 & Q2:** Angiogenesis, ARVO, Macula Society
- ✓ **Q3:** ASRS, AAO
- ✓ **Q4:** Retina Society

PARTNER PROGRAMS

BAUSCH + LOMB:

- ✓ XIPERE® launch in U.S. in Q1 2022

ARCTIC VISION: Arcatus™ in China

- ✓ Initiate Phase 1 trial in DME
- Phase 3 trial data in UME

REGENXBIO: RGX-314

- ✓ ALTITUDE trial in DR: Positive interim data
- ✓ Additional data from ALTITUDE & AAVIATE trial in wet AMD

AURA BIOSCIENCES: AU-011

- ✓ Additional data from Phase 2 trial in choroidal melanoma
- ✓ Planning Phase 3 trial using SCS administration



CLEARSIDE
BIOMEDICAL

Nasdaq: CLSD

