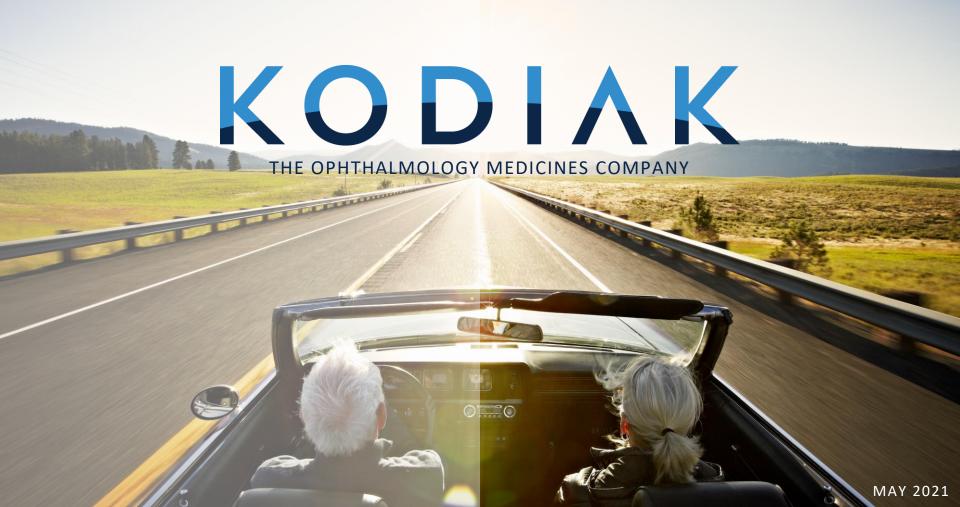
NASDAQ: KOD KODIAK.COM



FORWARD-LOOKING STATEMENTS

These slides contain forward-looking statements and information. The use of words such as "may," "might," "will," "should," "could," "expect," "plan," "anticipate," "believe," "estimate," "project," "intend," "future," "potential," or "continue," and other similar expressions are intended to identify forward-looking statements. Forward-looking statements include statements regarding our 2022 Vision; our ability to submit a BLA for KSI-301 in wet AMD. DME. RVO and potentially diabetic retinopathy in end 2022 or early 2023; the potential licensure of KSI-301 in the U.S. and EU in 2023; our platform technology and potential therapies; future development plans; clinical and regulatory objectives and the timing thereof; the anticipated design of our clinical trials and regulatory submissions; expectations regarding the potential efficacy and commercial prospects of our product candidates; the anticipated presentation of additional data; the results of our research and development efforts; and our ability to advance our product candidates into later stages of development and potential commercialization. All forward-looking statements are based on management's current expectations, and future events are subject to a number of risks and uncertainties that could cause actual results to differ materially and adversely from those set forth or implied by such forward-looking statements. These risks and uncertainties include, but are not limited to, the safety, efficacy and durability data for our KSI-301 product candidate may not continue or persist; cessation or delay of any of the ongoing clinical studies and/or our development of KSI-301 may occur, including as a result of the ongoing COVID-19 pandemic; future potential regulatory milestones of KSI-301, including those related to current and planned clinical studies may be insufficient to support regulatory submissions or approval; anticipated presentation of data at upcoming conferences may not occur; our research and development efforts and our ability to advance our product candidates into later stages of development may fail; any one or more of our product candidates may not be successfully developed, approved or commercialized; adverse conditions in the general domestic and global economic markets, including the ongoing COVID-19 pandemic, which may significantly impact our business and operations, including out of our headquarters in the San Francisco Bay Area and our clinical trial sites, as well as the business or operations of our manufacturers, contract research organizations or other third parties with whom we conduct business; as well as the other risks identified in our filings with the Securities and Exchange Commission. For a discussion of other risks and uncertainties, and other important factors, any of which could cause our actual results to differ from those contained in the forward-looking statements, see the section entitled "Risk Factors" in our most recent Form 10-Q, as well as discussions of potential risks, uncertainties, and other important factors in our subsequent filings with the Securities and Exchange Commission. Any forward-looking statement speaks only as of the date on which it was made. We undertake no obligation to publicly update or revise any forward-looking statement, whether as a result of new information, future events or otherwise, except as required by law.



KSI-301 CLINICAL EXPERIENCE

Clinical data from ~2,500 injections in ~500 patients representing ~450 patient-years of exposure in representative populations in wAMD, DME and RVO

- Safety: Tracking with current standard of care (Lucentis, Eylea)
- Efficacy: Vision & retinal anatomy improvements in line with current anti-VEGF agents
- Durability: 2 in every 3 patients going 6-months or longer between doses

i.

💹 OPTIMIZED PIVOTAL STUDY PROGRAM

Objective to show disruptive durability with same safety and efficacy as Eylea

DAZZLE wet AMD study enrollment complete; BEACON RVO study and GLEAM & GLIMMER DME now enrolling, DAYLIGHT label broadening study First Patient In 3Q2021 – Data from all studies expected in 2022

Pivotal studies designed from phase 1b data with high dose (5.0 mg), high statistical power, tighter criteria for disease activity assessments, tighter dosing interval ranging, maintaining similar (80%+) U.S. treatment naïve population

6 PIVOTAL CLINICAL TRIALS

WHERE WE

ARF TODAY

TOPLINE DATA EXPECTED IN 2022:

- DAZZLE 1Q
- BEACON 2Q
- GLEAM&GLIMMER 4Q
- DAYLIGHT 4Q

OPERATING WITH CONVICTION

On track for single BLA in the key indications of wAMD, DME, RVO treatment and NPDR in a supplemental Manufacturing investments aligned to clinical opportunity with commercial supply goal of 2.5M+ in Year 1 Pipeline bispecific and triplet ABC Medicines for multi-mechanism diseases, including dry AMD and glaucoma



POISED COMMERCIAL OPPORTUNITY

Competitive landscape is clearing with competing technologies demonstrating poor risk-benefit profiles Pivotal clinical study package at initial BLA designed for very broad dosing label from 1-month to 5/6-month and deliver reimbursement confidence and first-line-agent status for every wAMD, DME, RVO, NPDR patient We believe KSI-301 may be able to capture market share from standard of care agents, future biosimilars, and competing late-stage molecules in development

THE OPHTHALMOLOGY MEDICINES COMPANY

OUR MISSION



TRAILBLAZING SCIENCE

Our creative and thoughtful foundation



2 GENERATION 2.0 MEDICINES

Our challenge to the status quo



3 SINGULAR FOCUS IN OPHTHALMOLOGY

Our 24 / 7 / 365

A PIPELINE OF ABCs FOR RETINA

Kodiak's deepening pipeline of mono-, bi-specific and triplet inhibitors that merge biologics with small molecules to address major causes of vision loss beyond retinal vascular disease

MONOSPECIFIC

1 Molecule, 1 Target

Antibody conjugated to phosphorylcholine biopolymer

KSI-301 inhibits VEGF— In Phase 3 clinical development



BISPECIFIC

1 Molecule, 2 Targets

Bispecific antibody conjugated to phosphorylcholine biopolymer

KSI-501 inhibits VEGF and IL-6 for retinal diseases with inflammatory component - IND planned 1H2O22



TRIPLET

1 Molecule, **3 Targets**

Bispecific antibody conjugated to phosphorylcholine biopolymer embedded with 100's of copies of smallmolecule drug

KSI-601 for high-prevalence multifactorial diseases, such as dry AMD - IND planned 2022



THE OPHTHALMOLOGY MEDICINES COMPANY

FOCUSED ON DEVELOPING ABC MEDICINES FOR HIGH PREVALENCE RETINAL DISEASES



KSI-301 AND KSI-501 FOR RETINAL VASCULAR DISEASES

A GROWING \$11B MARKET WITH CLEAR UNMET NEEDS

- Wet age-related macular degeneration (wet AMD) remains a leading cause of blindness in the elderly
- Diabetes is the leading cause of blindness in working-age adults
- Novel agents such as KSI-301 are needed to provide long treatment-free durability and/or improve response to therapy
- KSI-501 targets both VEGF & Interleukin-6; supplemental targeting of retinal microvascular inflammation through Interleukin-6 may be of additional clinical benefit

KSI-601 TRIPLETS FOR DRY AMD

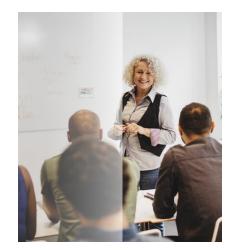
DRY AMD IS 10 TIMES MORE PREVALENT THAN WET AMD AND HAS NO AVAILABLE THERAPIES

- Dry AMD frequently leads to irreversible vision loss and substantial functional vision limitations
- There are no available therapies for dry AMD; drugs targeting single pathways have repeatedly yielded no / limited efficacy
- Targeting multiple biological pathways both intracellular and extracellular as enabled by our triplet inhibitor technology may be required to
 achieve meaningful treatment for complex multifactorial diseases such as dry AMD
- Durability of a potential treatment will be key due both to chronic nature of the disease and size of the patient population and will be enabled by ABC Platform based triplets

TRIPLETS FOR THE NEURODEGENERATIVE ASPECTS OF GLAUCOMA

GLAUCOMA IS A LEADING CAUSE OF IRREVERSIBLE BLINDNESS WORLDWIDE

- Many patients experience progression of glaucoma and lose vision over time despite maximum medical therapy
- Available therapies today treat intraocular pressure, not the fundamental biology of retinal neural cell loss which is multifactorial in nature
- Our triplets technology is designed to target multiple intra- and extracellular pathways implicated in the neurobiology of glaucoma
- Durability of potential treatment will be key and will be enabled by ABC Platform based triplets





IN THEORY

Intravitreal anti-VEGF agents improve & maintain vision when dosed per label...

Recommended dosing in first year:

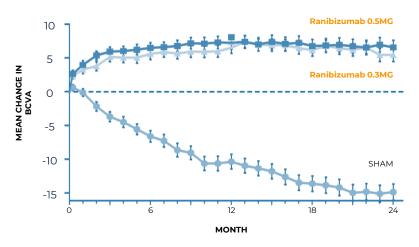
Ranibizumab

12 monthly Aflibercept

8

bi-monthly after 3 monthly loading doses

PHASE III STUDY OF MONTHLY ANTI-VEGF 1



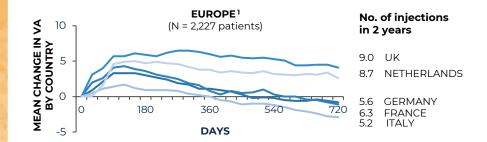


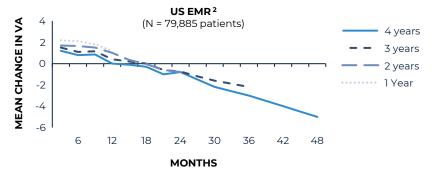
IN PRACTICE

...yet in the real word, visual gains are minimal and not maintained.

Patients cannot be treated frequently enough and are overextended between doses in the real world. Without continuous high-intensity treatment, vision loss can begin after only 3 months of anti-VEGF therapy.

This pattern is seen globally and with all current medicines.





^{1.} The AURA Study, adapted from Holz FG et al. Br J Ophthalmol 2015; 99 (2): 220–226.

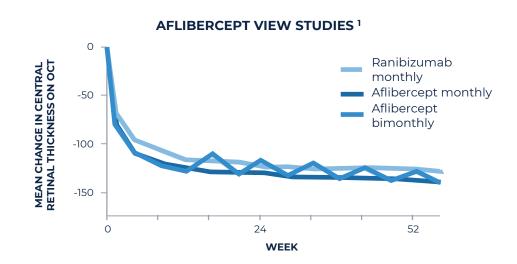
^{2.} Adapted from SIERRA-AMD, Khanani A, et al. Ophthal. Retina 2020 Feb; 4(2):122-123. EMR= Electronic Medical Records

WHY?

Current, Generation 1.0 agents do not provide disease control for long enough between doses.

Undertreatment leads to disease progression and permanent retinal damage.

Bimonthly anti-VEGF therapy results in disease activity between doses due to insufficient durability.



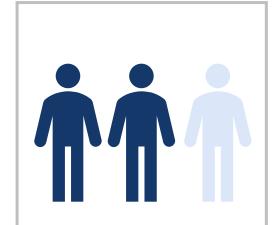
WHAT PROFILE MAY BE REQUIRED TO MEANINGFULLY CHANGE THE CURRENT PARADIGM?

	Durability -		¬		
Profile	Maintenance Phase	Loading Phase	Efficacy Profile	Safety Profile	
5 to 6 months predominant	wAMD: >50% reach Q20W		WAND DME and DVO. Non	Safety profile is in line	
	DME: >50% reach Q20W	. 7	wAMD, DME, and RVO: Non- inferior to comparator		
	RVO: Non-inferior with Q8W	≤ 3 loading doses	NPDR: 2 step change and / or	with aflibercept and ranibizumab	
	NPDR: Compelling efficacy at 2x / year		lower event rate		
4 to 5 months predominant	wAMD: >50% reach Q16W or better		WAND DMF and DVO. Non	Safety profile is in line with aflibercept and ranibizumab	
	DME: >50% reach Q16W or better	< 7 looding doses	wAMD, DME, and RVO: Non- inferior to comparator		
	RVO: Non-inferior with Q8W	≤ 3 loading doses	NPDR: 2 step change and / or lower event rate		
	NPDR: Compelling efficacy at 3x / year		lower event rate		
	wAMD: 33% Q8W, 33% Q12W, 33% Q16W				
3 to 4 months predominant	DME: >50% better than Q12W	> 7 looding docos	wAMD, DME, and RVO: Non-inferior to comparator	Safety profile may be	
	RVO: Non-inferior with Q8W	≥ 3 loading doses	NPDR: 2 step improvement	worse than aflibercept and ranibizumab	
	NPDR: Compelling efficacy at 4x / year				



DISRUPTIVE DURABILITY WITH AN INTRAVITREAL BIOLOGIC:

2/3 OF PATIENTS ON A ≥6-MONTH TREATMENT-FREE INTERVAL AT YEAR 1 IN WET AMD, DME AND RVO



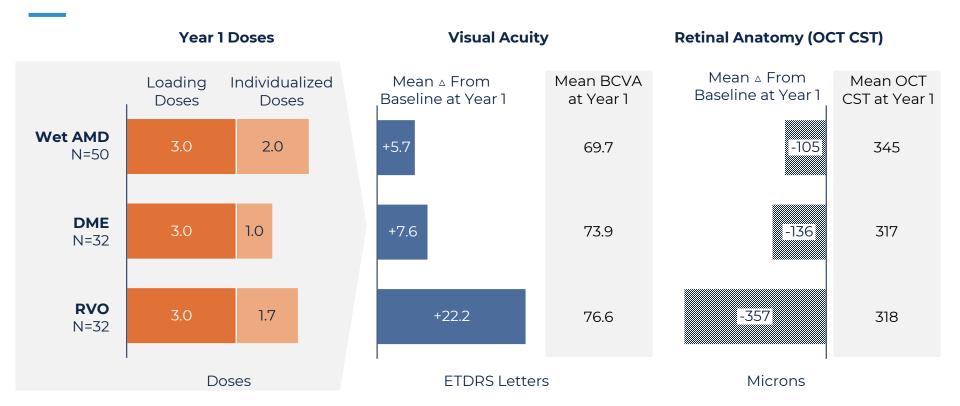
2 in every 3 patients are on a 6-month or longer treatmentfree interval at Year 1, after only 3 loading doses

Interval at Year 1	Wet AMD <i>N</i> = 50	DME <i>N</i> = 32	RVO N = 32
1 month	2%	3%	3%
2 months	14%	3%	9%
3 months	6%	9%	13%
4 months	4%	6%	6%
5 months	8%	9%	3%
≥6 months	66%	69%	66%
Mean # Injections during Year 1	5.0 (3 loading + 2.0 individualized)	4.0 (3 loading + 1.0 individualized)	4.7 (3 loading + 1.7 individualized)

Safety and efficacy data in line with today's first-line medicines



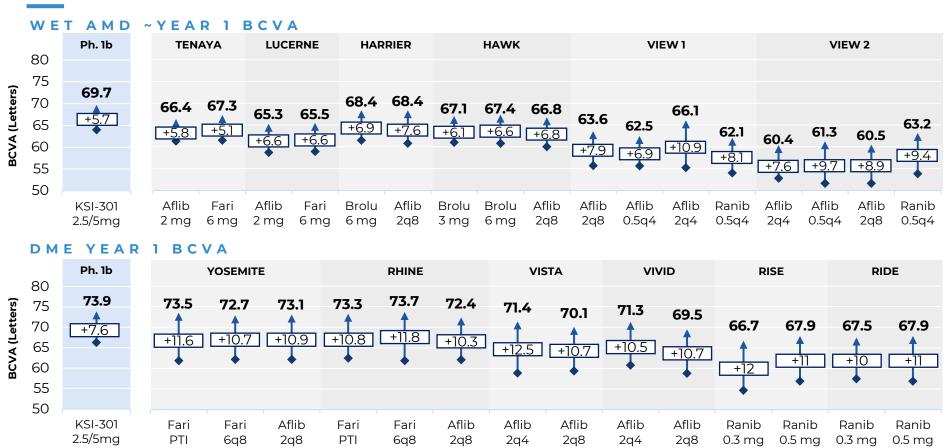
YEAR 1 DATA: EFFICACY ALIGNED WITH TODAY'S MEDICINES WITH MEANINGFULLY FEWER INJECTIONS





KODIAK

YEAR 1 DATA: VISION IMPROVEMENTS SEEN IN ANTI-VEGF STUDIES ARE DEPENDENT ON BASELINE VISION



ABC PLATFORM TN

Biologics precision-engineered for increased durability and efficacy



ANTIBODY

lgG1 with inert immune effector function

BIOPOLYMER

Optically clear, high molecular weight phosphorylcholine polymer

CONJUGATE

Antibody and biopolymer covalently bound via single site-specific linkage

Nature's zwitterion



















SAME WHERE IT MATTERS

- Clinically proven targets
- Antibody-based biologic
- Intravitreal: 25M+ injections annually
- Optically clear, no residues
- Fast and potent clinical responses

DIFFERENT WHERE IT COUNTS

- Designed-in ocular durability
- Designed-in rapid systemic clearance
- Improved bioavailability
- Improved biocompatibility
- Improved stability



GENERATION 2.0 ANTI-VEGF

KSI-301's high molecular weight & formulation strength can provide an important dosing advantage

Drug:	RANIBIZUMAB (Lucentis)	AFLIBERCEPT (Eylea)	BEVACIZUMAB (Avastin)
Molecule type	Antibody fragment	Recombinant fusion protein	Antibody
Molecular structure	9	8	Y
Molecular weight	48 kDa	115 kDa	149 kDa
Clinical dose	0.3-0.5 mg	2 mg	1.25 mg
Equivalent molar dose	0.5	1	0.9
Equivalent ocular PK	0.7	1	1
Equivalent ocular concentration at 3 months	0.001	1	NA¹

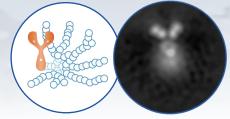
KSI-301 Antibody Biopolymer Conjugate (ABC) 950 kDa **5 mg** (by weight of antibody) 3.5 1,000

Equivalent values are showed as fold changes relative to aflibercept. kDa= kilodalton 1. Lower affinity of bevacizumab precludes a useful comparison



KSI-301 ANTIBODY BIOPOLYMER CONJUGATE

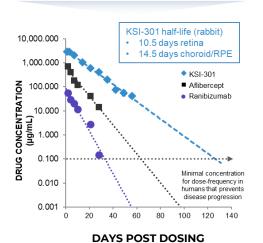
"MORE THAN THE SUM OF ITS PARTS"



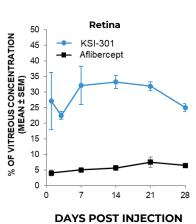
Artistic representation of KSI-301

Electron microscope image of KSI-301

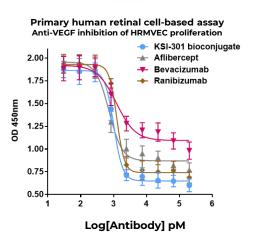
Class-leading Intraocular Half-life¹



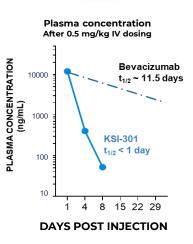
Excellent Retinal Bioavailability²



Deeper Inhibitory Potency³



Fast Systemic Clearance⁴



Data from rabbit model. Ranibizumab data: Gaudreault et al (2007) IOVS 46(2) 726 Gaudreault et al (2007) Retina 27(9) 1260 Bakri et al (2007) Ophthalmol 114(12) 2179 || Aflibercept data: EVER Congress Portoroz Slovenia (2008) Struble (Covance) Koehler-Stec (Regeneron). Aflibercept data adjusted arithmetically to reflect 5,000 µg dose administered (based on rabbit in vivo dosing of 705 µg). Error bars reflects standard error of the mean

^{2.} Covance rabbit ADME (absorption, distribution, metabolism, elimination) model: Aflibercept data (2008): EVER Congress Portoroz Slovenia Struble (Covance), Koehler-Stec (Regeneron). KSI-301 data (2017): Covance study, data on file. Error bars reflects standard error of the mean

KSI-301 data: data on file; Bevacizumab data: Yeung et al 2010 Cancer Research.

^{4.} KSI-301 data: Non-human primate toxicology study, data on file; Bevacizumab data: Yeung et al 2010 Cancer Research.

OUR GOAL WITH KSI-301

Develop KSI-301 as a **meaningfully differentiated first-line treatment** in each retinal vascular disease with the broadest label in retina: 1-month to 5 / 6-month

Better meet the individual needs of key stakeholders globally

Treatment confidence for patient; reimbursement confidence for the physician

- Patient & Patient's Family
- Retina Specialist & Care Team
- Retina Practice Owner
- Payor
- + Health System



KSI-301 program includes a wide range of dosing intervals to maximize flexibility and reimbursement confidence for physicians and patients

Completed Recruitment		Starting Soon	Now Recru	uiting	Now Recruiting	Starting	g Soon
Wet AMD		Wet AMD	Diabetic Macular Edema		Retinal Vein Occlusion	Non-Proliferative Diabetic Retinopathy	
Comparator		Comparator	Comparator		Comparator	Comparator	
Aflibercept once every 2 months after 3 monthly loading doses		Aflibercept once every 2 months after 3 monthly loading doses	Aflibercept once every 2 months after 5 monthly doses		Aflibercept once every month	Sham	
DAZZLE Study ¹		DAYLIGHT Study	GLEAM and GLIMMER Studies ²		BEACON Study ³	GLOW Study	
KSI-301 once every 3, 4 or 5 months after 3 monthly loading doses		KSI-301 once every month	KSI-30 once every 2 to after 3 monthly lo	6 months	KSI-301 once every 2 months or longer after 2 monthly loading doses	KSI- once every after 3 initia	6 months
5 2 Minimum Minimu doses in doses Year 14 Year 2	n	Monthly Dosing	4 Minimum doses in Year 1 ⁴	2 Minimum doses in Year 2 ⁴	4 Minimum doses in Year 1 ⁴	4 Doses in Year 1 ⁴	2 Doses in Year 2 ⁴
Once every 4-20 weeks		Once every 4-	24 weeks	Once every 4-8 weeks	Once every	24 weeks	

Targeted label at launch

Targeted label with sBLA

KSI-301 COMMERCIAL MANUFACTURING

BUILDING CAPACITY TO SUPPLY RAPID MARKET UPTAKE

Expected Year 1 manufacturing capacity to supply 2.5M+ doses with the ability to flex up to 15M+ doses



Integrated global pharmaceutical supply chain



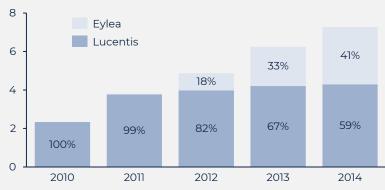
Purpose-built Lonza IBEX Dedicate bioconjugation facility to support commercial launch

Case study on market adoption

Can Eylea market share growth educate KSI-301 adoption?

Worldwide anti-VEGF revenue





EYLEA				
Approval Date	U.S: wAMD	U.S: CRVO EU: wAMD	EU: CRVO	U.S.: BRVO US & EU: DME

Kodiak aims to submit a single BLA for KSI-301 in wet AMD, DME and RVO in calendar year 2022

Company financial disclosures and product labeling



OUR 2022 VISION

WET AMD

DAZZLE Phase 2b/3 top-line data DAYLIGHT Phase 3 top-line data Initial BLA filing*





RETINAL VEIN OCCLUSION

BEACON Phase 3 top-line data Initial BLA filing*

DIABETIC MACULAR EDEMA

GLEAM / GLIMMER Phase 3 top-line data Initial BLA filing*



2022

THE OPHTHALMOLOGY MEDICINES COMPANY



KSI-501 anti-VEGF/IL-6

IND submitted Phase la/lb

DIABETIC RETINOPATHY

2023 GLOW Phase 3 top-line data (estimated)





KSI-601 Triplet Inhibitor for dry AMD

IND submitted (estimated)

- Indications submitted in BLA (wAMD, DME and RVO)
- Clinical molecules
- IND per year

KODIAK

* Forecasted for end 2022 or early 2023

MILESTONES AND KSI-301 DEVELOPMENT ACCELERATION

2019

KSI-301

- Safety, efficacy, durability proof-of-concept established
- Initiation of DAZZLE wAMD pivotal study
- ✓ FDA EOP2 meeting
- √ \$225MM royalty financing
- √ \$317MM equity financing

2020

KSI-301

- Additional readouts of Phase 1b data
- Maturation of data support pivotal clinical studies
- Manufacturing framework to supply millions of doses in first year of launch
- ✓ Initiate two DME Phase 3 trials (GLEAM & GLIMMER)
- ✓ Initiate RVO Phase 3 trial (BEACON)
- ✓ Complete enrollment in wAMD (DAZZLE)
- √ \$645MM equity financing

2021

KSI-301

- Presentation of one-year
 Phase 1b results in wet
 AMD, DME and RVO
- Initiate label broadening wAMD Phase 3 trial (DAYLIGHT)
- Initiate preventive diabetic retinopathy Phase 3 trial (GLOW)
- Complete enrollment in DME (GLEAM & GLIMMER) and RVO (BEACON) studies
- DAZZLE wAMD last patient last visit for primary endpoint

2022

KSI-301

- DAZZLE wAMD pivotal study top-line readout
- RVO pivotal study (BEACON) top-line readout
- DME pivotal studies (GLEAM & GLIMMER) topline readouts
- DAYLIGHT wAMD pivotal study top-line readout (forecasted)
- Prepare BLA for wAMD, DME and RVO

KSI-501

- Submit IND
- Phase 1/2 clinical study

2023

KSI-301

- Potential regulatory approval for wAMD, DME and RVO in US and EU
- Potential commercial launch for wAMD, DME, RVO in US
- DR pivotal study (GLOW) readout (forecasted)

KSI-501

Readouts of Phase 1/2 data

KSI-601

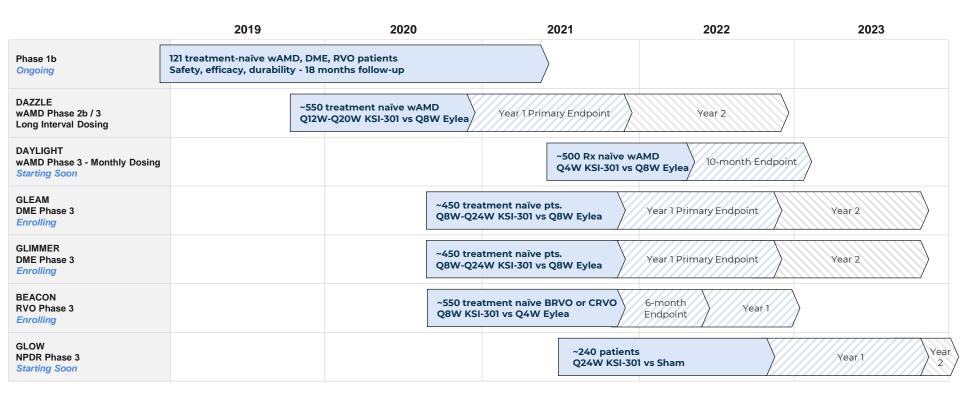
- Submit IND
- Initiate Phase 1/2 study

Achieved

Potential Milestones 2021 - 23

KSI-301 Accelerated Development Strategy

5 Pivotals to support initial BLA with all 3 major anti-VEGF indications (NPDR in sBLA)



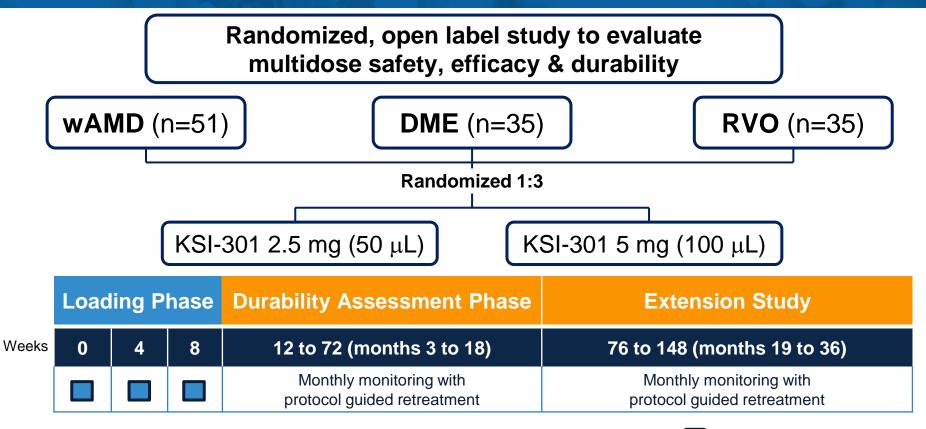


KSI-301

Clinical Data

130 patients dosed in Phase 1a/1b Program
168+ patient years of clinical experience

KSI-301 Phase 1b Study Design



KSI-301 Phase 1b Retreatment Criteria

wAMD

- Increase in CST ≥75 μm with a decrease in BCVA of ≥ 5 letters compared to Week 12, OR
- Decrease in BCVA of > 5 letters compared to Day 1, due to worsening wAMD activity, OR
- Decrease in BCVA of ≥ 10 letters compared to the best prior BCVA, due to worsening wAMD activity, OR
- 6 months have elapsed since the last retreatment

DME and RVO

- Increase in CST ≥75 μm with a decrease in BCVA of ≥ 5 letters compared to Week 12 or the prior visit, OR
- Decrease in BCVA of ≥ 10 letters compared to the best prior BCVA, due to worsening DME/RVO disease activity

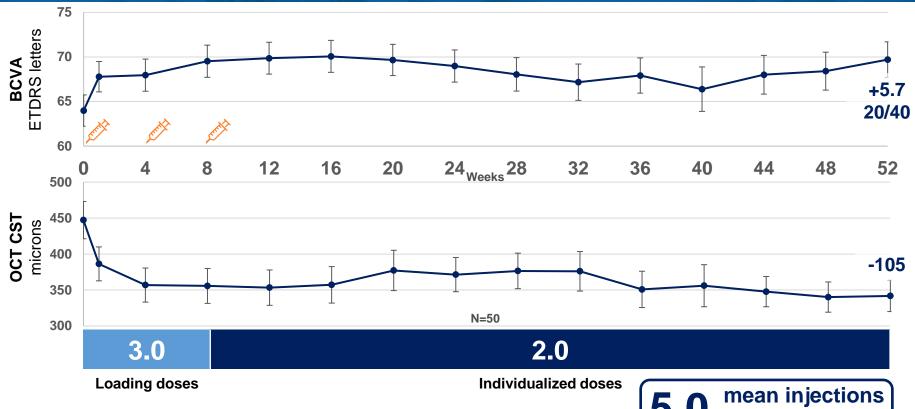
For all subjects, investigators can retreat at their discretion if significant disease activity is present that does not meet the above criteria

Baseline Characteristics

Variable	wAMD Cohort (n=51)	DME Cohort (n=35)	RVO Cohort (n=35)
Age, mean (SD), years	77.9 (10.5)	59.7 (11.7)	63.6 (12.6)
Gender, n (%), female	32 (62.7)	32 (62.7) 14 (40.0) 1	
Race, n (%), White	48 (94.1)	28 (80.0)	31 (88.6)
BCVA, mean (SD), ETDRS letters	63.3 (13.3)	66.8 (10.2)	54.9 (15.4)
Snellen equivalent	~20/50	~20/50	20/80
Snellen 20/40 or better, n (%)	20 (39.2)	16 (45.7)	6 (17.1)
OCT CST, mean (SD), microns	450 (182)	453 (110)	675 (237)

KSI-301 Phase 1b wAMD Year 1 Data

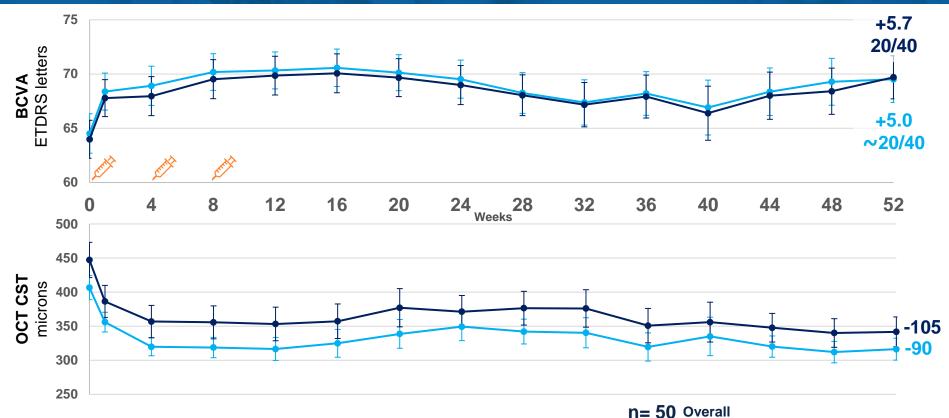
Efficacy of KSI-301 in Wet AMD Change from baseline to Week 52 in mean BCVA & OCT



Interim data; 2.5 & 5 mg doses pooled. Observed data, includes only patients that received all (3) loading doses and reached Week 12 or later. Error bars represent standard error of the mean. Individualized doses reflect the number of injections received per patient between Week 12 and 48 inclusive. OCT CST site reported and includes the PED height. CST= central subfield thickness.

in Year 1

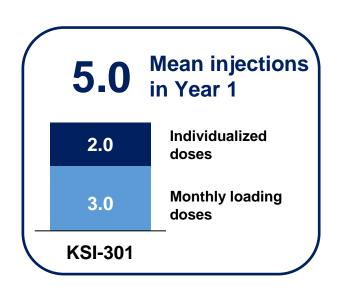
Efficacy of KSI-301 in Wet AMD change from baseline to Week 52 by PED status

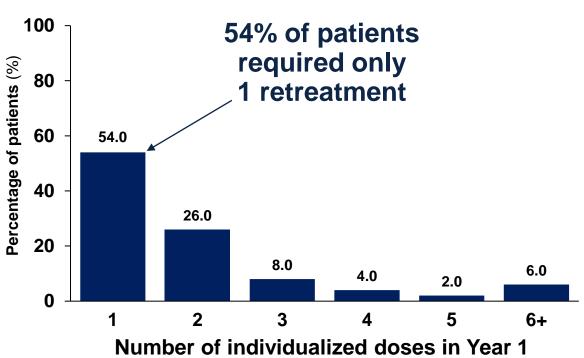


Interim data; 2.5 & 5 mg doses pooled. Observed data, include only patients that received all (3) loading doses and reached Week 12 or later. Error bars represent standard error of the mean. OCT CST site reported and includes the PED height for the overall wAMD cohort. High PED defined as >500 microns of CST in the presence of a PED; CST= central subfield thickness.

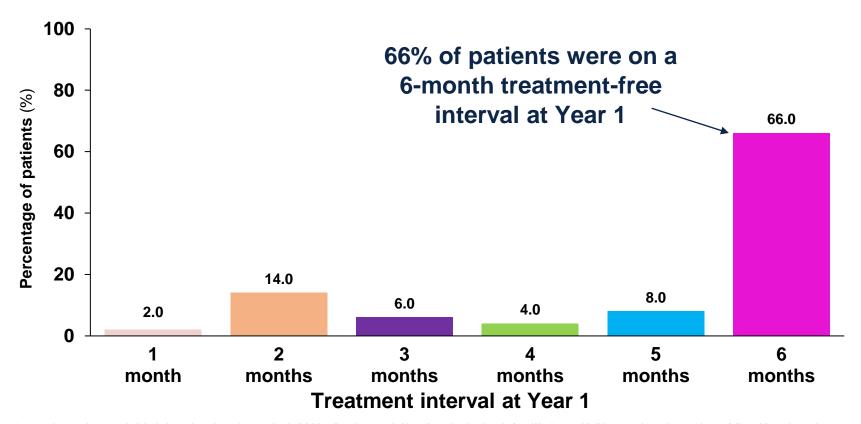
n= 45 Without high PEDs

Durability of KSI-301 in Wet AMD 80% of patients received 2 or fewer retreatments in Year 1

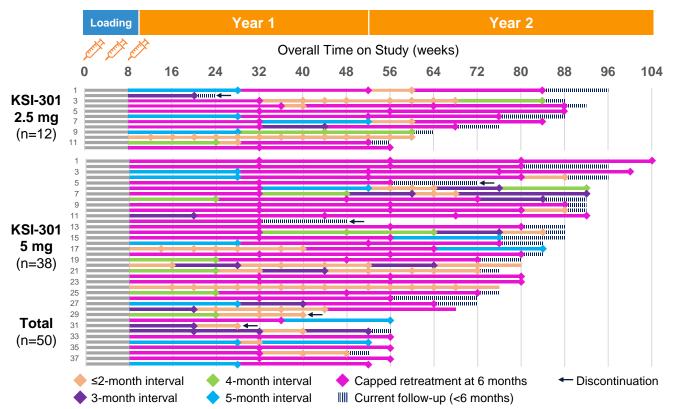




Durability of KSI-301 in Wet AMD Distribution of retreatment intervals at Year 1



KSI-301 in wAMD: the majority of patients can achieve 6-month durability



Interval at Year 1*	n=50
1 month	2%
2 months	14%
3 months or longer	84%
4 months or longer	78%
5 months or longer	74%
6 months	66%

80% have achieved a 6-month treatment-free interval at least once during follow-up

Interim data. Includes only randomized patients that reached the first retreatment opportunity (Week 12 visit). Each bar represents an individual patient.

*Treatment intervals include only patients that received all (3) loading doses and received a dose before Week 52. Interval at Year 1 reflects the treatment interval ongoing at the Week 52 visit (where available) or the last interval before Week 52. Interim data as of 29 Jan 2021

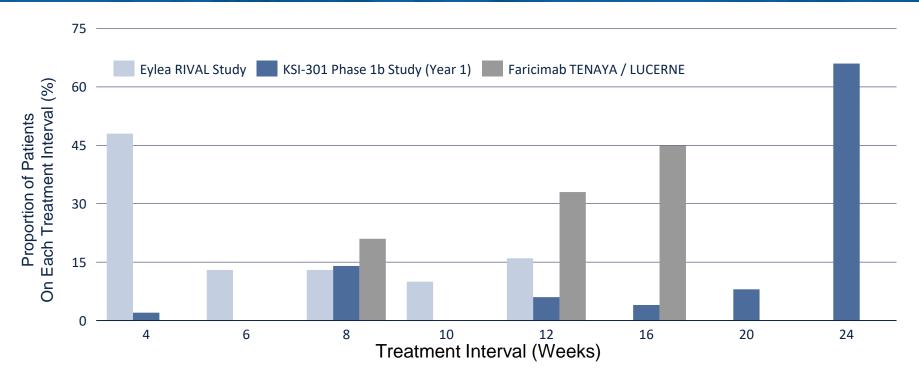
Case Example: 6-Month Dosing Through 1 Year KSI-301 in wet AMD

3 Loading doses Day 1 Day 1 Week 4 🔌 (Pre-Treatment) Week 8 🔗 Week 12 1 month after 3 OCT Images +8 letters loading doses From Phase 1b Study 4 total injections Week 32 6 months after 3 +12 letters loading doses **Treatment** Given Week 56 6 months after the +11 letters last retreatment

in Year 1

Benchmarking in treatment-naïve wAMD: KSI-301 Phase 1b

"Generation 2.0" durability compared to Eylea long-interval RCT and Faricimab TENAYA/LUCERNE



- Gillies MC, et al. Effect of Ranibizumab and Aflibercept on Best-Corrected Visual Acuity in Treat-and-Extend for Neovascular Age-Related Macular Degeneration: A Randomized Clinical Trial. JAMA Ophthalmol. 2019;137(4):372-379. doi:10.1001/jamaophthalmol.2018.6776
- Angiogenesis 2021 Presentation: Faricimab Phase 3 Topline Results in Exudative AMD Jeffrey S. Heier, MD
- For KSI-301: Treatment intervals include only patients that received all (3) loading doses and received a dose before Week 52. Interval at Year 1 reflects the treatment interval ongoing at the Week 52 visit (where available) or the last interval before Week 52.

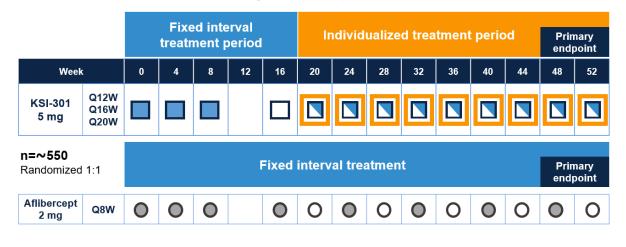
KSI-301 Phase 2b/3 wAMD DAZZLE Study Dosing with KSI-301 as infrequently as every 20 weeks*

Wet AMD - Phase 1b

Interval at Year 1	Percentage (n=50)
1 month	2%
2 months	14%
3 months or longer	84%
4 months or longer	78%
5 months or longer	74%
6 months	66%

80% have achieved a 6-month treatment-free interval at least once during follow-up

DAZZLE pivotal study evaluates individualized dosing of every 12, 16 or 20 weeks



KSI-301 injection

KSI-301 individualized treatment/Sham

Aflibercept injection

Disease Activity Assessment

□O Sham injection

^{*}After the loading phase. Clinicaltrials.gov ID NCT04049266, currently in late stages of recruitment

How do DAZZLE Study Disease Activity Assessment Criteria Compare to Phase 1b?

Parameters	Phase 1b Study ¹	DAZZLE study ²	Change
Visual <i>and</i> anatomical	Increase in CST ≥75 µm with a decrease in BCVA of ≥ 5 letters compared to Week 12, <i>OR</i>	Increase in CST ≥50 µm with a decrease in BCVA of ≥ 5 letters compared to Week 12, <i>OR</i>	Tighter CST control (25 microns)
	Decrease in BCVA of ≥ 10 letters compared to the best prior BCVA, due to worsening wAMD activity, <i>OR</i>	Decrease in BCVA of ≥ 10 letters compared to the best prior BCVA, due to worsening wAMD activity, <i>OR</i>	No change
Visual only	Decrease in BCVA of > 5 letters compared to Day 1, due to worsening wAMD activity	N/A	Eliminated to reduce subjectivity and unnecessary retreatments
Anatomical	N/A	Increase of ≥ 75 microns compared to Week 12, <i>OR</i>	Added two anatomical-only
only	N/A	New Macular Hemorrhage	criteria

wAMD = wet age-related macular degeneration; CST = central subfield retinal thickness; BCVA = best corrected visual acuity.

¹ Clinicaltrials.gov ID: NCT03790852

² Clinicaltrials.gov ID NCT04049266

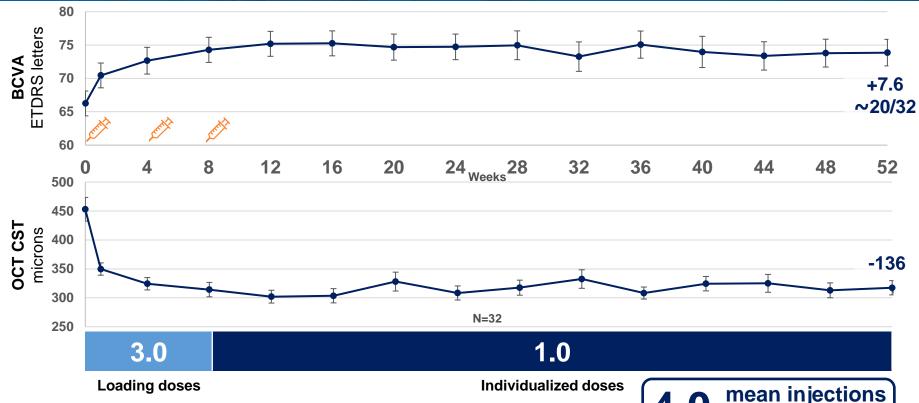
DAZZLE protocol optimization

- Building from the exploratory Phase 1b, DAZZLE maintains consistency of key features while further optimizing protocol design
 - 1. Similar patient population treatment naïve wAMD (~80% from USA)
 - Tighter dosing interval ranging from Q4W-Q24W to Q12W-Q20W
 - Tighter disease control tighter disease activity assessments to determine patients' dosing intervals
 - 4. Decreased subjectivity no physician discretion treatment (IRT driven)
 - 5. High statistical power for non-inferiority (>90%)
 - 6. High dose (5.0 mg) selected for pivotal study

KSI-301 Phase 1b DME Year 1 Data

Efficacy of KSI-301 in DME

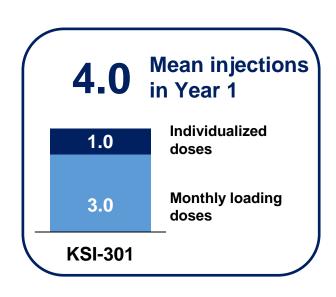
Change from baseline to Week 52 in mean BCVA & OCT

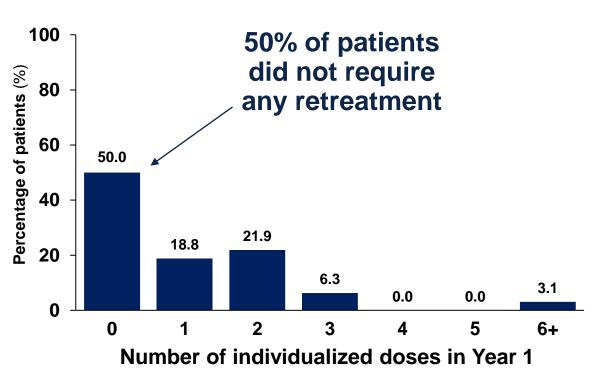


Interim data; 2.5 & 5 mg doses pooled. Observed data, includes only patients that received all (3) loading doses and reached Week 12 or later. Error bars represent standard error of the mean. Individualized doses reflect the number of injections received per patient between Week 12 and 48 inclusive. OCT CST site reported. CST= central subfield thickness.

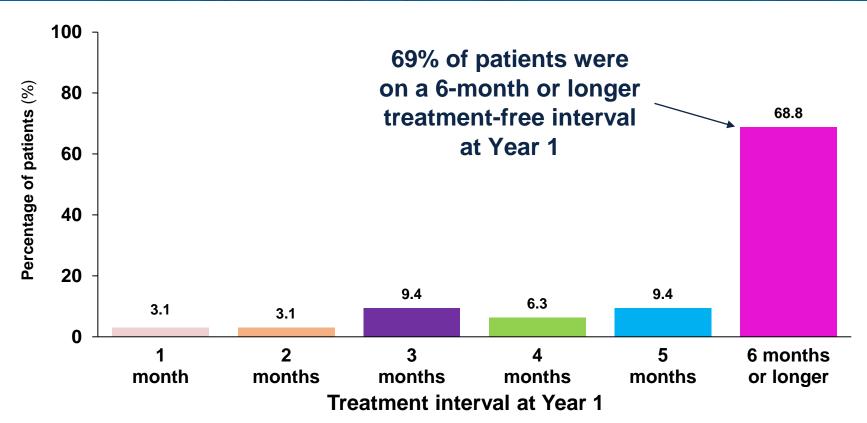
4.0 mean injections in Year 1

Durability of KSI-301 in DME 90% of patients received 2 or fewer retreatments in Year 1





Durability of KSI-301 in DME Distribution of retreatment intervals at Year 1



KSI-301 in DME: 3 loading doses can provide sustained disease control of 3 to 6+ months



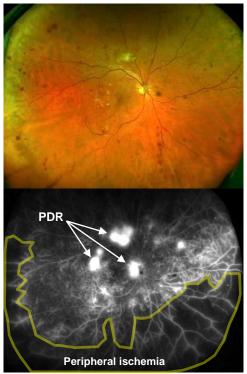
Interval at Year 1*	n=32
1 month	3%
2 months	3%
3 months or longer	94%
4 months or longer	84%
5 months or longer	78%
6 months or longer	69%

81% have achieved a
6-month or longer
treatment-free interval at
least once during follow-up

Interim data. Includes only randomized patients that reached the first retreatment opportunity (Week 12 visit). Each bar represents an individual patient. *Treatment intervals include only patients that received all (3) loading doses and either a) received a dose before Week 52 or b) did not receive a dose and were followed for at least six months after the last loading dose (Week 32 visit). Interval at Year 1 reflects the treatment interval ongoing at the Week 52 visit (where available) or the last interval before Week 52. One patient only received one loading dose and was excluded from the calculation. Interim data as of 29 Jan 2021

6-month disease control after only 3 loading doses is also seen in proliferative diabetic retinopathy

DAY 1
Proliferative DR (DRSS 71)



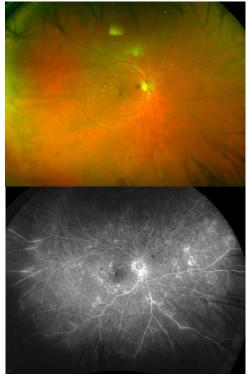
WEEK 12
Non-Proliferative DR (DRSS 53)



Two additional doses



WEEK 72
Non-Proliferative DR (DRSS 53)



Regression from PDR to NPDR
Fast and substantial (3-step)
improvement, sustained for 18 months
with only 2 additional doses
(26-week mean retreatment interval)

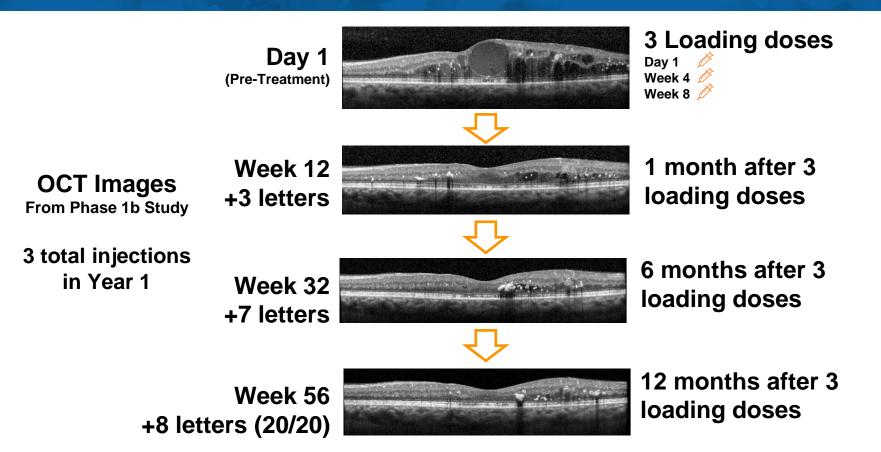
KSI-301

5 mg

3 loading

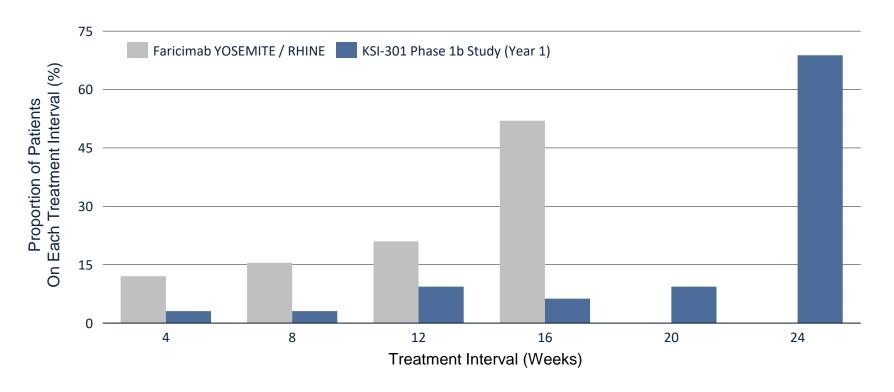
doses

Case Example: No Retreatments for 12 Months After Loading Phase KSI-301 in DME



Benchmarking in treatment-naïve DME: KSI-301 Phase 1b

"Generation 2.0" durability compared to Faricimab YOSEMITE / RHINE



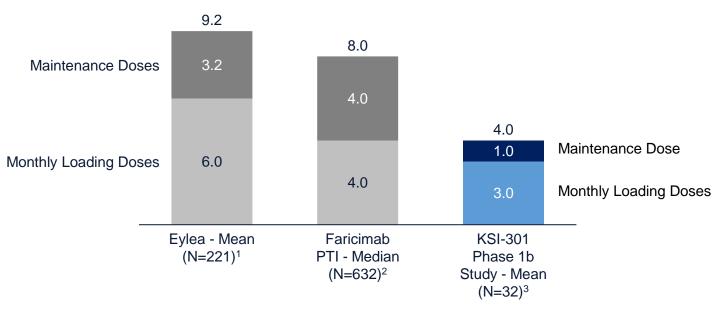
Angiogenesis 2021 Presentation: Faricimab Phase 3 (YOSEMITE and RHINE) Topline Results in Diabetic Macular Edema - Charles C. Wykoff, MD, PhD

For KSI-301: Treatment intervals include only patients that received all (3) loading doses and received a dose before Week 52. Interval at Year 1 reflects the treatment interval ongoing at the Week 52 visit (where available) or the last interval before Week 52.

Benchmarking: KSI-301 Phase 1b DME data

"Generation 2.0" durability compared to Eylea

Year 1
Average number of injections required



^{1.} Wells JA. Aflibercept, bevacizumab, or ranibizumab for diabetic macular edema (DRCR Protocol T). N Engl J Med. 2015 Mar 26;372(13):1193-203 (supplemental data).

^{2.} Angiogenesis 2021 Presentation: Faricimab Phase 3 (YOSEMITE and RHINE) Topline Results in Diabetic Macular Edema - Charles C. Wykoff, MD, PhD

^{3.} Interim data; 2.5 & 5 mg doses pooled. Includes only patients that received all (3) loading doses and either a) received a dose before Week 52 or b) did not receive a dose and were followed for at least six months after the last loading dose (Week 32 visit). Individualized doses reflect the average number of injections received per patient between Week 12 and 48 inclusive. N=32

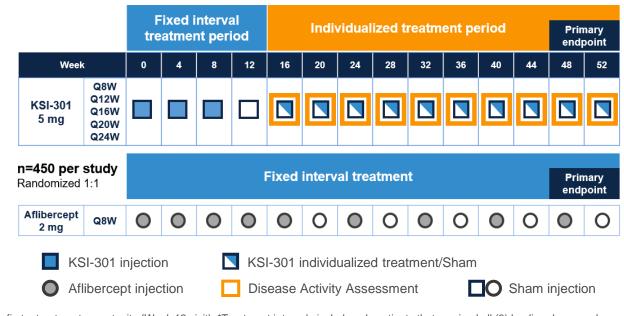
KSI-301 Phase 3 DME GLEAM and GLIMMER Studies Dosing with KSI-301 as infrequently as every 24 weeks¹

DME - Phase 1b

Interval at Year 1*	Percentage (n= 32)
1 month	3%
2 months	3%
3 months or longer	94%
4 months or longer	84%
5 months or longer	78%
6 months or longer	69%

81% have achieved a
6-month or longer treatmentfree interval at least once
during follow-up

GLEAM-GLIMMER pivotal studies evaluate individualized dosing of every 8, 12, 16, 20 or 24 weeks, after only 3 loading doses



1. After the loading phase

Interim data. Includes only randomized patients that reached the first retreatment opportunity (Week 12 visit). *Treatment intervals include only patients that received all (3) loading doses and either a) received a dose before Week 52 or b) did not receive a dose and were followed for at least six months after the last loading dose (Week 32 visit). Interval at Year 1 reflects the treatment interval ongoing at the Week 52 visit (where available) or the last interval before Week 52. One patient only received one loading dose and was excluded from the calculation

How do GLEAM & GLIMMER Studies Disease Activity Assessment Criteria Compare to Phase 1b?

Parameters	Phase 1b Study ¹	GLEAM & GLIMMER Studies	Change
Visual <i>and</i> anatomical	Increase in CST ≥75 µm with a decrease in BCVA of ≥ 5 letters compared to Week 12 or the prior visit, <i>OR</i>	Increase in OCT CST ≥ 50 µm compared to lowest previous measurement and a decrease in BCVA of ≥ 5 letters compared to the average of the 2 best previous BCVA assessments, due to worsening of DME disease activity, or	Tighter and dynamic control of both vision and anatomy
Visual only	Decrease in BCVA of ≥ 10 letters compared to the best prior BCVA, due to worsening DME activity	N/A	Eliminated to reduce subjectivity and unnecessary retreatments
Anatomical only	N/A	Increase in OCT CST ≥ 75 µm compared to lowest previous measurement due to worsening of DME disease activity; <i>or</i>	Added two anatomical-
— Offig	N/A	New or worsening proliferative DR (PDR)	only criteria

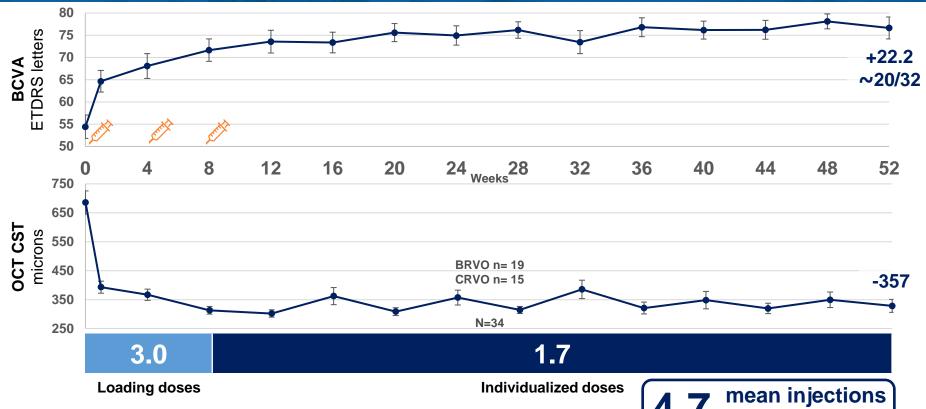
GLEAM & GLIMMER Phase 3 protocol optimization

- Building from the exploratory Phase 1b, GLEAM & GLIMMER maintain consistency of key features while further optimizing protocol designs
 - 1. Similar patient population treatment naïve DME (~80% from USA)
 - 2. Proactive tighter dosing interval ranging from uncapped to Q8W-Q24W
 - Tighter disease control tighter disease activity assessments to patients' determine dosing intervals
 - 4. Decreased subjectivity no physician discretion treatment (IRT driven)
 - 5. High statistical power for non-inferiority (>90%)
 - 6. High dose (5.0 mg) selected for pivotal study

KSI-301 Phase 1b RVO Year 1 Data

Efficacy of KSI-301 in RVO

Change from baseline to Week 52 in mean BCVA & OCT

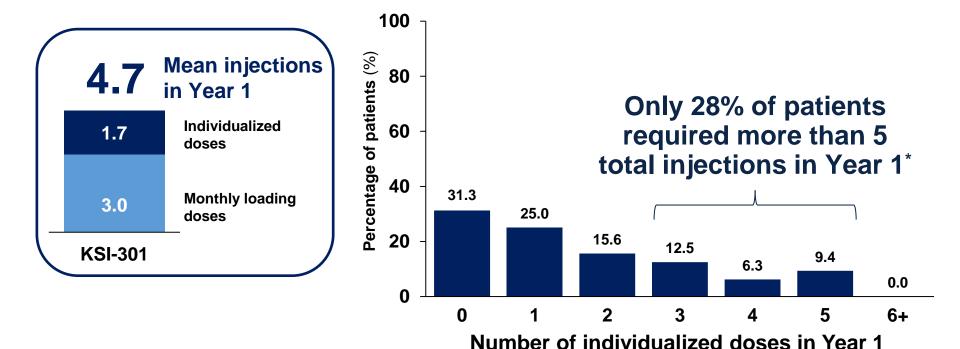


Interim data; 2.5 & 5 mg doses pooled. Observed data, includes only patients that received all (3) loading doses and reached Week 12 or later. Error bars represent standard error of the mean. Individualized doses reflect the number of injections received per patient between Week 12 and 48 inclusive. OCT CST site reported. CST= central subfield thickness.

in Year 1

Durability of KSI-301 in RVO

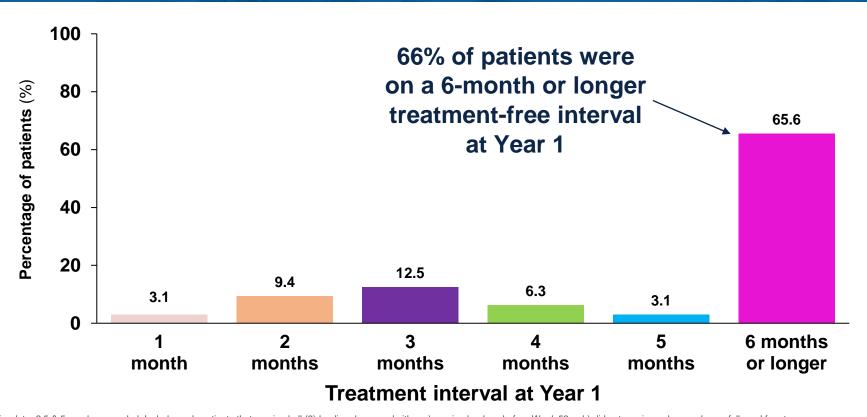
72% of patients received 2 or fewer retreatments in Year 1



Interim data; 2.5 & 5 mg doses pooled. Includes only patients that received all (3) loading doses and either a) received a dose before Week 52 or b) did not receive a dose and were followed for at least six months after the last loading dose (Week 32 visit). Two patients were not included as they discontinued at the Week 12 and 16 visits, respectively, without receiving a retreatment dose. Individualized doses reflect the average number of injections received per patient between Week 12 and 48 inclusive. N=32

* 3 loading doses plus more than 2 individualized doses

Durability of KSI-301 in RVO Distribution of retreatment intervals at Year 1



Interim data. 2.5 & 5 mg doses pooled. Includes only patients that received all (3) loading doses and either a) received a dose before Week 52 or b) did not receive a dose and were followed for at least six months after the last loading dose (Week 32 visit). Two patients were not included as they discontinued at the Week 12 and 16 visits, respectively, without receiving a retreatment dose. Treatment interval at Year 1 reflects the treatment interval ongoing at the Week 52 visit (where available) or the last interval before Week 52. N=32

KSI-301 in RVO: 3 loading doses can provide sustained disease control of 2 to 6+ months



Interval at Year 1*	n=32
1 month	3%
2 months	9%
3 months or longer	87%
4 months or longer	75%
5 months or longer	69%
6 months or longer	66%

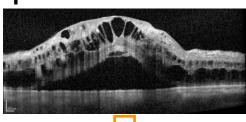
69% have achieved a
6-month or longer
treatment-free interval at
least once during follow-up

Interim data. Includes only randomized patients that reached the first retreatment opportunity (Week 12 visit). Each bar represents an individual patient. *Treatment intervals include only patients that received all (3) loading doses and either a) received a dose before Week 52 or b) did not receive a dose and were followed for at least six months after the last loading dose (Week 32 visit). Interval at Year 1 reflects the treatment interval ongoing at the Week 52 visit (where available) or the last interval before Week 52. Two patients discontinued before receiving their first retreatment and less than 6 months of follow-up after the loading phase. Interim data as of 29 Jan 2021

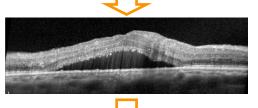
Is it possible to control the most severe CRVO cases with only 2 loading doses?

Case Example of KSI-301 in the Phase 1b Study

Day 1

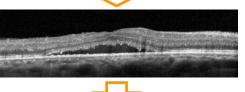


Week 1 597 microns



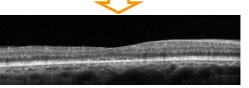
1 week after 1 dose +14 letters

Week 4 416 microns



1 month after 1 dose +23 letters

Week 8 260 microns

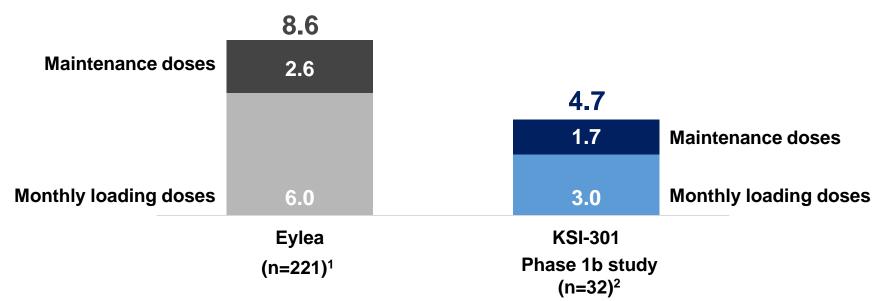


1 month after 2 doses +23 letters (20/25)

Benchmarking: KSI-301 Phase 1b RVO data

"Generation 2.0" durability compared to Eylea





^{1.} Injections averaged between the two pivotal aflibercept trials; n represents the total randomized in the aflibercept groups in both studies. Brown DM. Intravitreal Aflibercept Injection for Macular Edema Secondary to Central Retinal Vein Occlusion: 1-Year Results From the Phase 3 COPERNICUS Study. Am J Ophthalmol 2013;155:429–437.Korobelnik JF, et al. Intravitreal Aflibercept Injection for Macular Edema Resulting from Central Retinal Vein Occlusion. Ophthalmology 2014;121:202-208

Interim data; 2.5 & 5 mg doses pooled. Includes only patients that received all (3) loading doses and either a) received a dose before Week 52 or b) did not receive a dose and were followed for at least six months after the last loading dose (Week 32 visit). Two patients were not included as they discontinued at the Week 12 and 16 visits, respectively, without receiving a retreatment dose. Individualized doses reflect the average number of injections received per patient between Week 12 and 48 inclusive. N=32

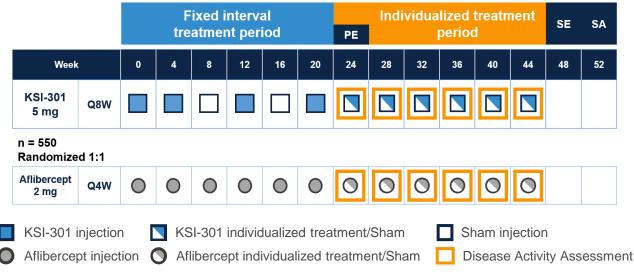
KSI-301 Phase 3 RVO BEACON Study Two loading doses with KSI-301 + every 8 weeks

RVO - Phase 1b

Interval at Year 1*	Percentage (n= 34)
1 month	3%
2 months	9%
3 months or longer	87%
4 months or longer	75%
5 months or longer	69%
6 months or longer	66%

69% have achieved a 6-month or longer treatment-free interval at least once during follow-up

BEACON pivotal study evaluates two loading doses and every 8-week dosing, followed by individualized dosing



PE= Primary endpoint. SE= Secondary endpoints. SA= Safety assessment

Clinicaltrials.gov ID NCT04592419, currently recruiting

Interim data. Includes only randomized patients that reached the first retreatment opportunity (Week 12 visit). *Treatment intervals include only patients that received all (3) loading doses and either a) received a dose before Week 52 or b) did not receive a dose and were followed for at least six months after the last loading dose (Week 32 visit). Interval at Year 1 reflects the treatment interval ongoing at the Week 52 visit (where available) or the last interval before Week 52. Two patients discontinued before receiving their first retreatment and less than 6 months of follow-up after the loading phase.

How do BEACON Study Disease Activity Assessment Criteria Compare to Phase 1b?

Parameters	Phase 1b Study ¹	BEACON Study ²	Change
Visual <i>and</i> anatomical	Increase in CST ≥75 µm with a decrease in BCVA of ≥ 5 letters compared to Week 12 or the prior visit, <i>OR</i>	Increase in OCT CST ≥ 50 µm compared to lowest previous measurement and a decrease in BCVA of ≥ 5 letters compared to the average of the 2 best previous BCVA assessments, due to worsening of RVO disease activity, or	Tighter and dynamic control of both vision and anatomy
Visual only	Decrease in BCVA of ≥ 10 letters compared to the best prior BCVA, due to worsening RVO activity	N/A	Eliminated to reduce subjectivity and unnecessary retreatments
Anatomical only	N/A	Increase in OCT CST ≥ 75 µm compared to lowest previous measurement due to worsening of RVO disease activity; <i>or</i>	Added one anatomical- only criteria

RVO = retinal vein occlusion; OCT = optical coherence tomography; CST = central subfield retinal thickness; BCVA = best corrected visual acuity.

¹ Clinicaltrials.gov ID: NCT03790852

² Clinicaltrials.gov ID: NCT04592419

BEACON Phase 3 protocol optimization

- Building from the exploratory Phase 1b, BEACON maintains consistency of key features while further optimizing study protocol
 - 1. Similar patient population treatment naïve RVO (~80% from USA)
 - 2. Proactive tighter dosing interval from uncapped to fixed q2-month dosing, through 6-month primary endpoint
 - 3. Tighter disease control tighter disease activity assessments to determine dosing interval, in second 6 months of study
 - 4. Decreased subjectivity no physician discretion treatment (IRT driven)
 - 5. High statistical power (>90%)
 - 6. High dose (5.0 mg) selected for pivotal study

KSI-301 Phase 1b Safety

Safety of KSI-301: Excellent safety profile

130

710

168

Subjects dosed

Total doses

Patient-years

Across the Phase 1a/1b program



121

Completed the loading phase in Phase 1b



Phase 1b subjects at Week 12 or later that have received all three loading doses plus at least one additional retreatment

- Most AEs were assessed as mild and are consistent with profile of intravitreal anti-VEGFs
- To date, 43 SAEs have been reported in 24 subjects none drug related
- Three ocular SAEs in the study eye, not drug related, all resolved
 - Worsening DME secondary to systemic fluid overload
 - Worsening cataract in a diabetic patient
 - Subretinal hemorrhage in a wAMD patient
- Only two AEs of intraocular inflammation, both trace to 1+ vitreous cells, with complete resolution
 - Rate of 0.28% (2/710 injections)
 - No vasculitis or retinal artery occlusion in either patient

KSI-301 CLINICAL EXPERIENCE

Clinical data from ~2,500 injections in ~500 patients representing ~450 patient-years of exposure in representative populations in wAMD, DME and RVO

- Safety: Tracking with current standard of care (Lucentis, Eylea)
- Efficacy: Vision & retinal anatomy improvements in line with current anti-VEGF agents
- Durability: 2 in every 3 patients going 6-months or longer between doses

WHERE WE ARE TODAY

OPTIMIZED PIVOTAL STUDY PROGRAM

Objective to show disruptive durability with same safety and efficacy as Eylea

DAZZLE wet AMD study enrollment complete; BEACON RVO study and GLEAM & GLIMMER DME now enrolling, DAYLIGHT label broadening study First Patient In 3Q2021 – Data from all studies expected in 2022

Pivotal studies designed from phase 1b data with high dose (5.0 mg), high statistical power, tighter criteria for disease activity assessments, tighter dosing interval ranging, maintaining similar (80%+) U.S. treatment naïve population

6 PIVOTAL CLINICAL TRIALS

TOPLINE DATA EXPECTED IN 2022:

- DAZZLE 1Q
- BEACON 2Q
- GLEAM&GLIMMER 4Q
- DAYLIGHT 4Q

OPERATING WITH CONVICTION

On track for single BLA in the key indications of wAMD, DME, RVO treatment and NPDR in a supplemental Manufacturing investments aligned to clinical opportunity with commercial supply goal of 2.5M+ in Year 1 Pipeline bispecific and triplet ABC Medicines for multi-mechanism diseases, including dry AMD and glaucoma



POISED COMMERCIAL OPPORTUNITY

Competitive landscape is clearing with competing technologies demonstrating poor risk-benefit profiles Pivotal clinical study package at initial BLA designed for very broad dosing label from 1-month to 5/6-month and deliver reimbursement confidence and first-line-agent status for every wAMD, DME, RVO, NPDR patient We believe KSI-301 may be able to capture market share from standard of care agents, future biosimilars, and competing late-stage molecules in development

