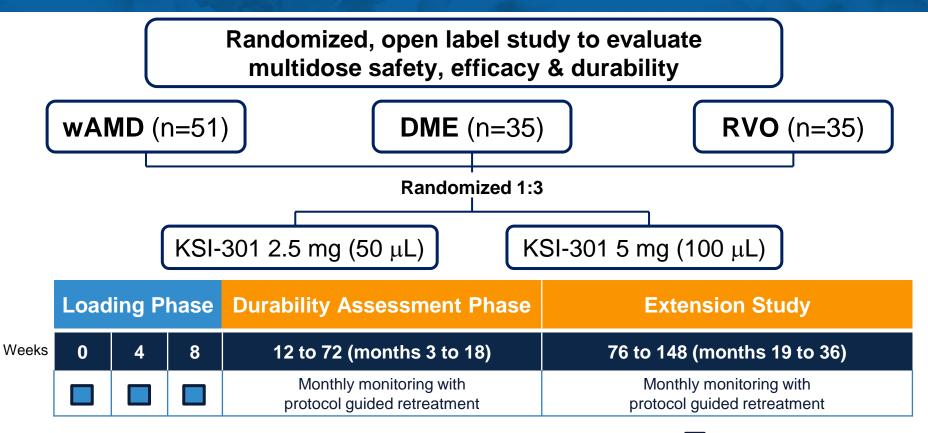
KSI-301 Phase 1b Results

121 treatment-naïve patients dosed 130+ patient-years of clinical experience

Min Tsuboi, PharmD Senior Director – Clinical Science

KSI-301 Phase 1b Study Design



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

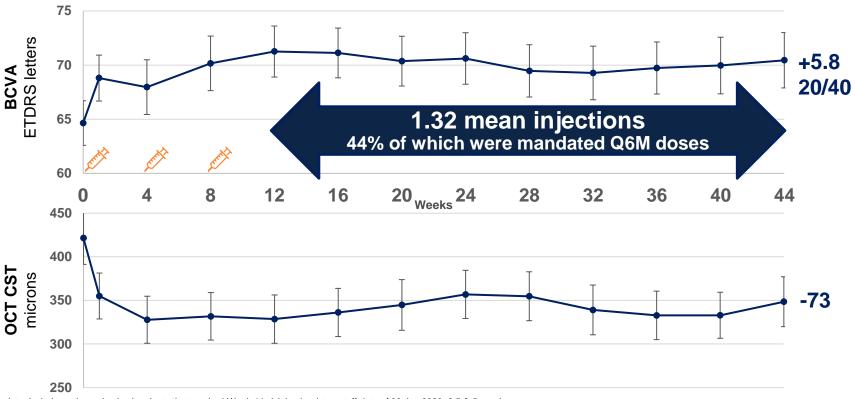
Baseline Characteristics

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)	14 (40.0)	13 (37.1)
Race, n (%), White	48 (94.1)	28 (80.0)	31 (88.6)
Ocular Characteristics			
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
20/40 or better vision, n (%)	20 (39.2)	16 (45.7)	6 (17.1)
CST, mean (SD), microns	430 (162)	453 (110)	675 (237)

KSI-301 in wAMD 10-month results from Phase 1b

53.7 patient-years of experience

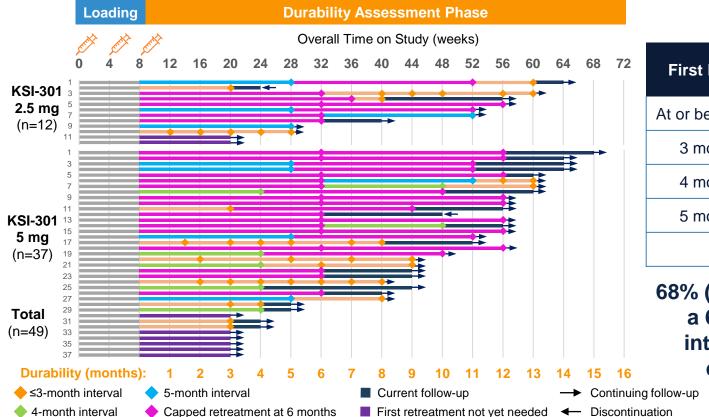
Efficacy of KSI-301 in Wet AMD Change from baseline to week 44 in mean BCVA & OCT



Interim data. Includes only randomized patients that reached Week 44 visit by the data cutoff date of 09 Jun 2020; 2.5 & 5 mg doses pooled. Observed data. Error bars represent standard error of the mean. OCT CST values are site reported and include PED height. BCVA= best corrected visual acuity; OCT= optical coherence tomography; CST= central subfield thickness. Mean injections reflect the average number of injections received per patient between Week 12 and 40 (aflibercept per label mean number of injections 4.0).

n= 31 Patients reaching Week 44 visit by data cutoff

KSI-301 in wAMD: Durability Assessment Data support 3- to 6-month durability



First Retreatment	Percentage
At or before 2 months	8% (4/49)
3 months or longer	92% (45/49)
4 months or longer	82% (40/49)
5 months or longer	66% (27/41)
6 months	49% (20/41)

68% (28/41) have achieved a 6-month treatment interval at least once during follow-up

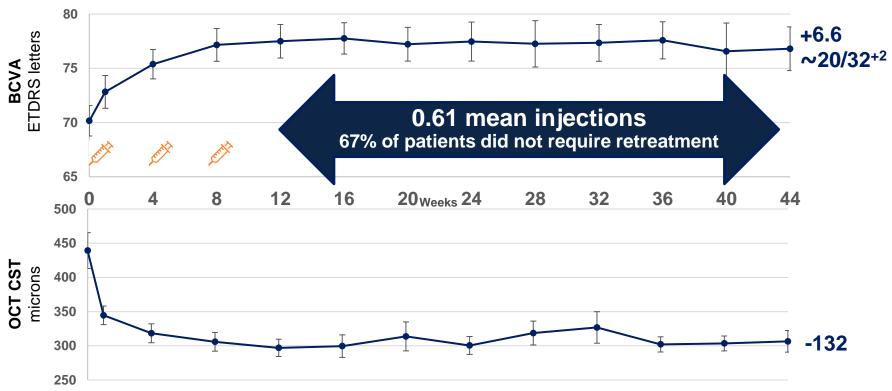
Case Example: 6-Month Dosing Through 1 Year KSI-301 in wet AMD

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

KSI-301 in DME 10-month results from Phase 1b

37.8 patient-years of experience

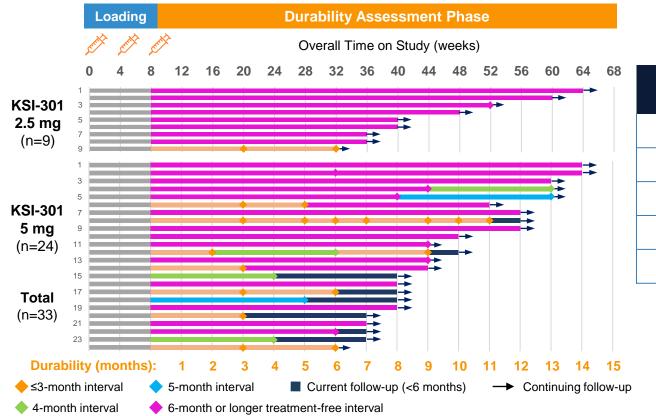
Efficacy of KSI-301 in DME change from baseline to week 44 in mean BCVA & OCT



Interim data. Includes only randomized patients that reached Week 44 visit by the data cutoff date of 09 Jun 2020; 2.5 & 5 mg doses pooled. Observed data. Error bars represent standard error of the mean. OCT CST values are site reported. BCVA= best corrected visual acuity; OCT= optical coherence tomography; CST= central subfield thickness. Mean injections reflect the average number of injections received per patient between Week 12 and 40 (affibercept per label mean number of injections 5.0).

n= 18 Patients reaching Week 44 visit by data cutoff

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



First Retreatment	Percentage
At 2 months	3%
3 months or longer	97%
4 months or longer	76%
5 months or longer	70%
6 months or longer	67%

73% (24/33) have achieved a 6-month or longer treatment-free interval at least once during follow-up

Sustained DME control for 12 Months after the loading phase can be achieved with KSI-301

3 Loading doses Day 1 Day 1 Week 4 (Pre-Treatment) Week 8 🔗 1 month after 3 Week 12 **OCT Images** loading doses +3 letters From Phase 1b Study 3 total injections 6 months after 3 in Year 1 Week 32 loading doses +7 letters 12 months after 3 Week 56 loading doses +8 letters (20/20)

KSI-301 in RVO 10-month results from Phase 1b

37.3 patient-years of experience

Efficacy of KSI-301 in RVO change from baseline to week 44 in mean BCVA & OCT

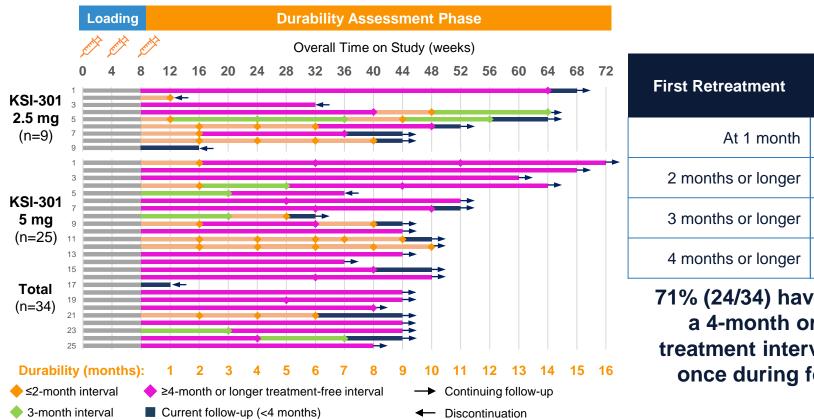


Interim data. Includes only randomized patients that reached Week 44 visit by the data cutoff date of 09 Jun 2020; 2.5 & 5 mg doses pooled. Observed data. Error bars represent standard error of the mean. OCT CST values are site reported. BCVA= best corrected visual acuity, OCT= optical coherence tomography; CST= central subfield thickness. Mean injections reflect the average number of injections received per patient between Week 12 and 40 (aflibercept per label mean number of injections 8.0).

n= 33 Patients reaching Week 44 visit by data cutoff

BRVO n= 19 CRVO n= 14

KSI-301 in RVO: 3 loading doses show potential for 2 to 4 month or longer dosing



First Retreatment	Percentage
At 1 month	6% (2/34)
2 months or longer	94% (31/33)
3 months or longer	66% (21/32)
4 months or longer	56% (18/32)

71% (24/34) have achieved a 4-month or longer treatment interval at least once during follow-up

KSI-301 Phase 1b Safety

Safety of KSI-301: multiple-dose exposure is well-tolerated

130

622

130

Subjects dosed

Total doses

Patient-years

Completed the loading phase in

Phase 1b



at least one additional retreatment

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

Across the Phase 1a/1b program

- Most AEs were assessed as mild and are consistent with profile of intravitreal anti-VEGFs
- To date, 29 SAEs have been reported in 19 subjects none drug related
- Two ocular SAEs in the study eye, not drug related
 - Worsening DME secondary to systemic fluid overload
 - Worsening cataract in a diabetic patient
- Only two AEs of intraocular inflammation, both trace to 1+ vitreous cells, with complete resolution
 - Per-injection rate of 0.32% (2/622 injections) or per-patient rate of 1.5% (2/130 patients)
 - No vasculitis or retinitis in either patient

Conclusions

- Phase 1b exploratory study informs pivotal study designs
- Excellent Safety
- Strong Efficacy: across wet AMD, DME & RVO
- Remarkable Biological Durability:
 - 3 to 6 months in wAMD
 - 3 to 6+ months in DME
 - 2 to 4+ months in RVO

Phase 1b Principal Investigators

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Thank you to the Phase 1b investigators and study staff!!