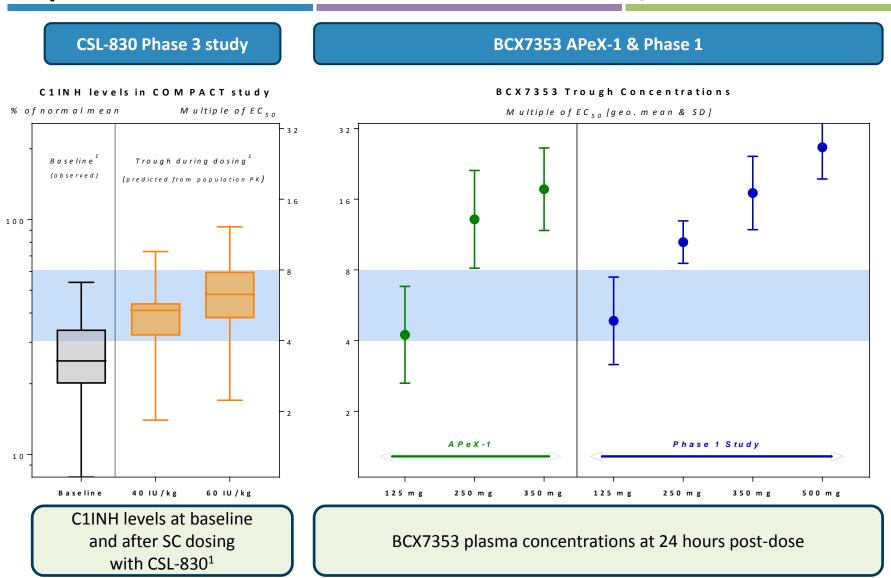
Second Quarter 2017 Financial Results/Corporate Update August 7, 2017

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Exposure in APeX-1 and Phase 1 BCX7353 trials, and SC C1INH

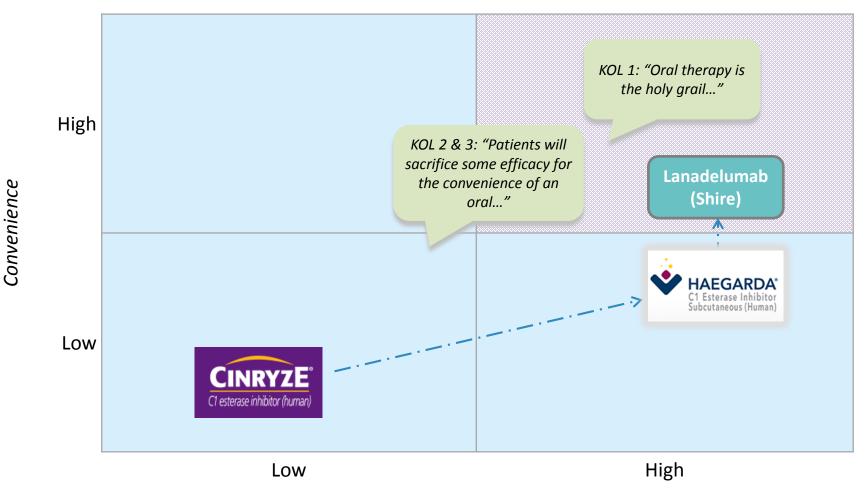


¹ Longhurst, H. et al. N Engl J Med 376, 1131-1140 (2017). Box plots represent median, 25th and 75th percentiles, minimum and maximum values. CSL-830 and BCX7353 data are from distinct clinical trials and no head to head study has been conducted.

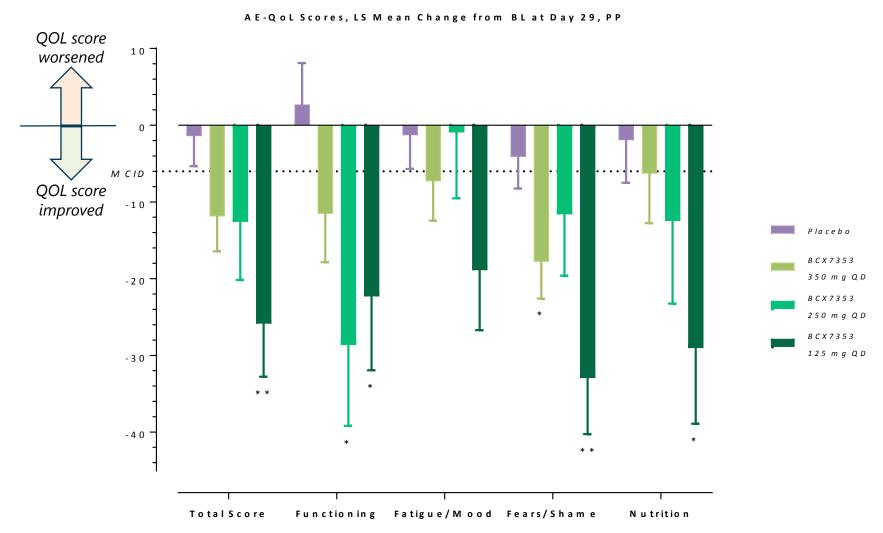


Even as more prophylactic therapies become available for HAE, KOLs are still voicing a strong desire for an oral HAE therapy for their patients

HAE Prophylactic Products: Positioning of Efficacy vs. Convenience



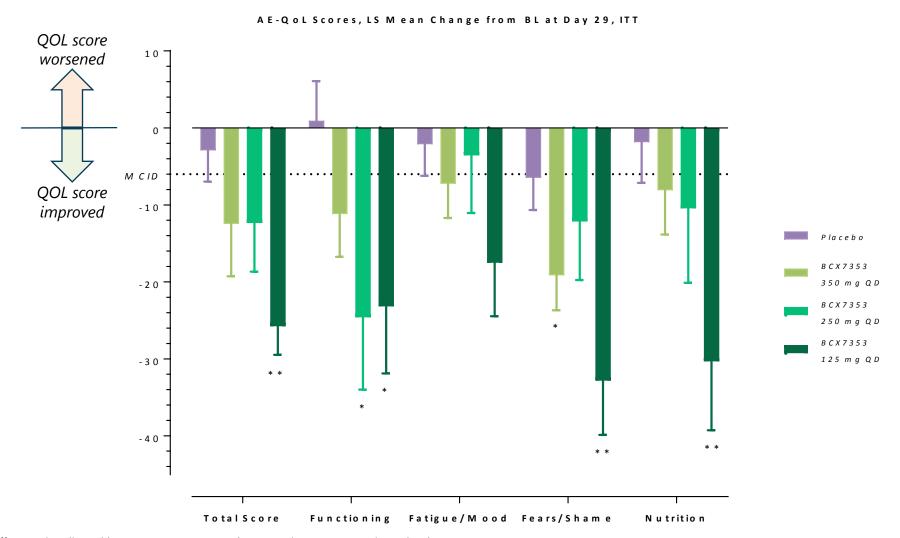
Quality of life scores, per protocol population analysis of change from baseline (Parts 1 & 2)



Difference in adjusted least square means are shown (Active treatment minus Placebo). ANCOVA Model includes terms of treatment and adjusted qualifying attack rate. Reductions (negative changes from BL) represent improvement in quality of life scores. MCID, minimum clinically important difference, -6 points (*Weller, K. 2016. Allergy 71(8): 1203-1209.*) * p < 0.05, ** p < 0.01, BCX7353 dose level compared with placebo



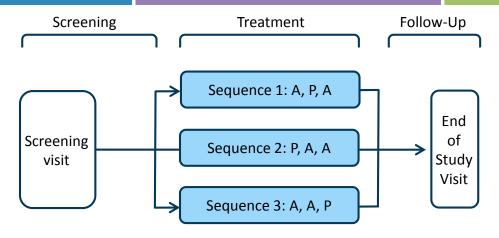
Quality of life scores, intent to treat analysis of change from baseline (Parts 1 & 2)

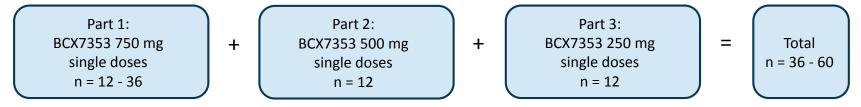


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ZENITH-1 trial design



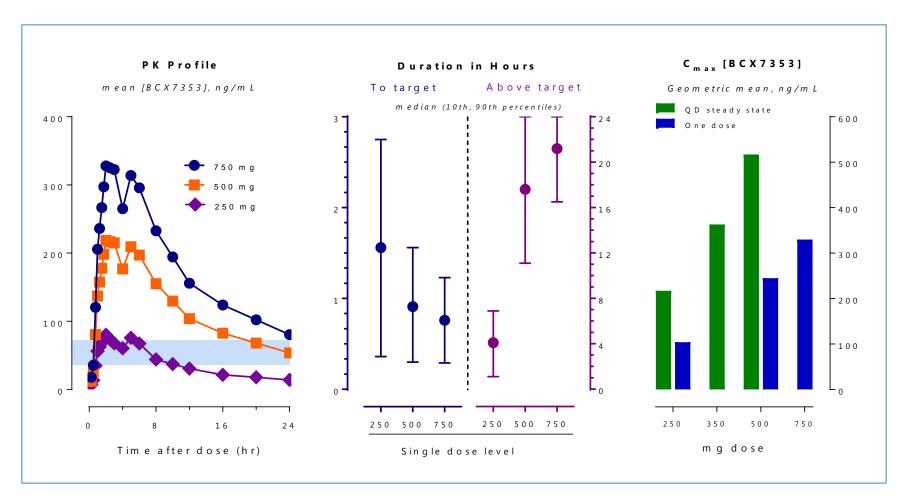


- The ZENITH-1 trial will evaluate the potential for an oral liquid formulation of BCX7353 to treat acute angioedema attacks
- Each subject is intended to have 3 attacks treated with blinded study drug
 - 2 with BCX7353 (A) and 1 with Placebo (P)
- Subjects must have at least one attack per month for three months to qualify for the trial
- Primary efficacy endpoint: proportion of subjects with either improved or stable composite visual analog scale (VAS) score at 4 hours post-dose





ZENITH doses provide a range of target PK coverage



Simulations performed using PK data from phase 1 study of capsule solid dosage form of BCX7353. C_{max} concentrations are actual for daily dosing steady state of 250 mg, 350 mg, and 500 mg in phase 1 study & single doses of 250 mg and 500 mg

 C_{max} concentrations are simulated for 750 mg single dose Blue shaded bar represents 4 to 8 x EC₅₀ Durations estimated for target of 8 x EC₅₀



Second quarter operating results

(in thousands, except per share amounts)	ď	Q2 2017	(Q2 2016	Change Q2 2017 vs Q2 2016
Revenues:					
Royalty revenue	\$	489	\$	629	(22%)
Collaborative and other R&D		2,610		4,158	(37%)
Total revenues		3,099		4,787	(35%)
Expenses: Research and development		15,759		14,166	11%
General and administrative		2,834	l .	2,724	
Royalty		22		27	(19%)
Total operating expenses		18,615		16,917	10%
Loss from operations		(15,516)		(12,130)	28%
Interest and other income, net		203		147	38%
Interest expense		(2,094)		(1,421)	47%
Gain (loss) on foreign currency derivative		521		(2,877)	(118%)
Net loss	\$	(16,886)	\$	(16,281)	4%
Net loss per share - Basic & Diluted	\$	(0.21)	\$	(0.22)	(5%)
Net operating cash utilization	\$	12,209	\$	15,446	(21%)
Weighted average shares outstanding		80,418		73,695	



YTD operating results

(in thousands, except per share amounts)	Υ	TD 2017	YTD 2016	Change YTD 2017 vs YTD 2016
Revenues:				
Royalty revenue	\$	6,810	\$ 2,519	170%
Collaborative and other R&D		5,726	7,088	(19%)
Total revenues		12,536	9,607	30%
Expenses:				40001
Research and development		32,529		` '
General and administrative		5,892	_	` '
Royalty		316	104	204%
Total operating expenses		38,737	40,785	(5%)
Loss from operations		(26,201)	(31,178)	(16%)
Interest and other income, net		312	586	(47%)
Interest expense		(4,194)	(2,891)	45%
Loss on foreign currency derivative		(1,022)	(5,630)	(82%)
Net loss	\$	(31,105)	\$ (39,113)	(20%)
Net loss per share - Basic & Diluted	\$	(0.40)	\$ (0.53)	(25%)
Net operating cash utilization	\$	21,048	\$ 37,891	(44%)
Weighted average shares outstanding		77,807	73,648	



Cash position & 2017 guidance (in millions)

Cash & investments at December 31, 2016	\$65
Cash & investments at June 30, 2017	\$96
Senior Credit Facility	\$23

Guidance for 2017:

Operating cash utilization	\$30 – 50
Operating expenses#	\$53 – 73



[#] Excludes equity-based compensation.