



LENZ

THERAPEUTICS

Topline CLARITY Results

Phase 3 Clinical Trials
April 3rd 2024

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LNZ100: potential best-in-class performance and selected as commercial candidate for mid-2024 NDA submission

Exclusive **aceclidine-only eye drop** with potential for providing seamless vision for the **full workday** for the **vast majority** of **128M US** presbyopes

Rapid onset and 10-hour duration 71%, 71% and 40% of participants achieved a ≥ 3 -line improvement at 0.5, 3 and 10 hrs

Near universal response with 95% and 69% of participants achieved at least a 2-line improvement at 1 and 10 hrs

Broadest population tested in 45 - 75 y.o. presbyopes, inclusive of post-LASIK and pseudophakes¹

Consistent high response in near vision improvement over the 4-week efficacy study period¹

Well tolerated 95% of AEs mild¹ and 30,000+ LNZ100 treatment days without treatment related serious AE²

LNZ100 selected as commercial candidate as LNZ101 showed similar but not superior performance

CLARITY 1 and 2 Study Design

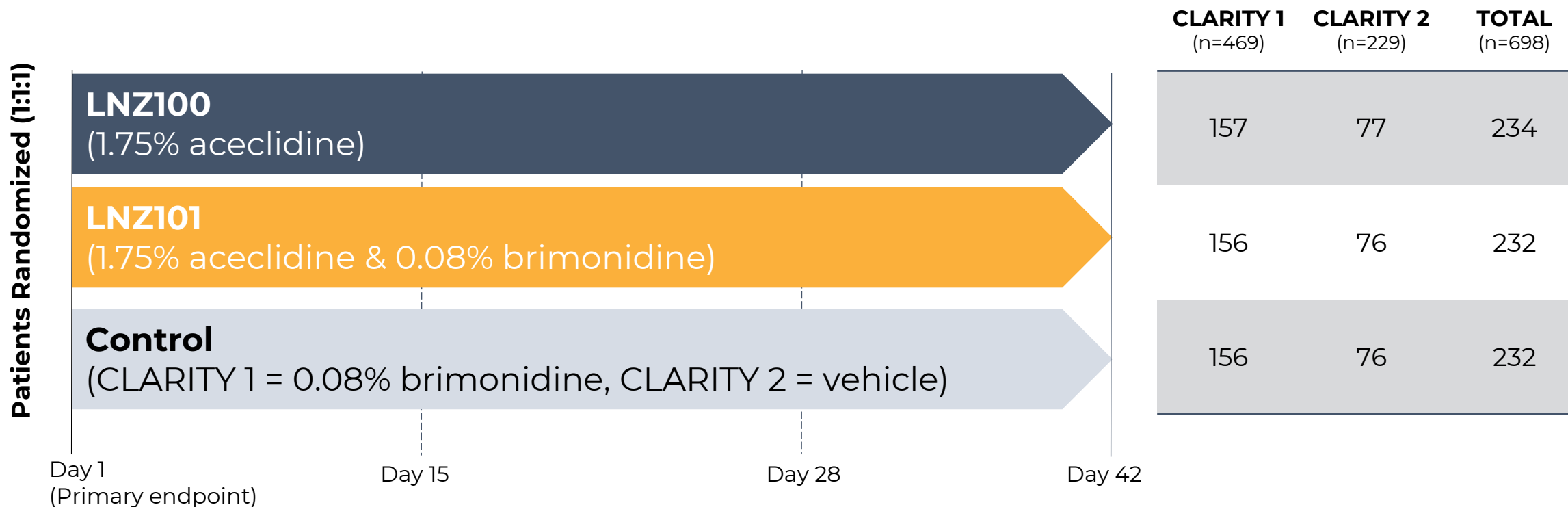
Randomized, double masked, controlled, Phase 3 trials (NCT05656027 & NCT05728944)

Ages 45 – 75,
Mean 55 years

Refractive range
-4D SE to +1D SE

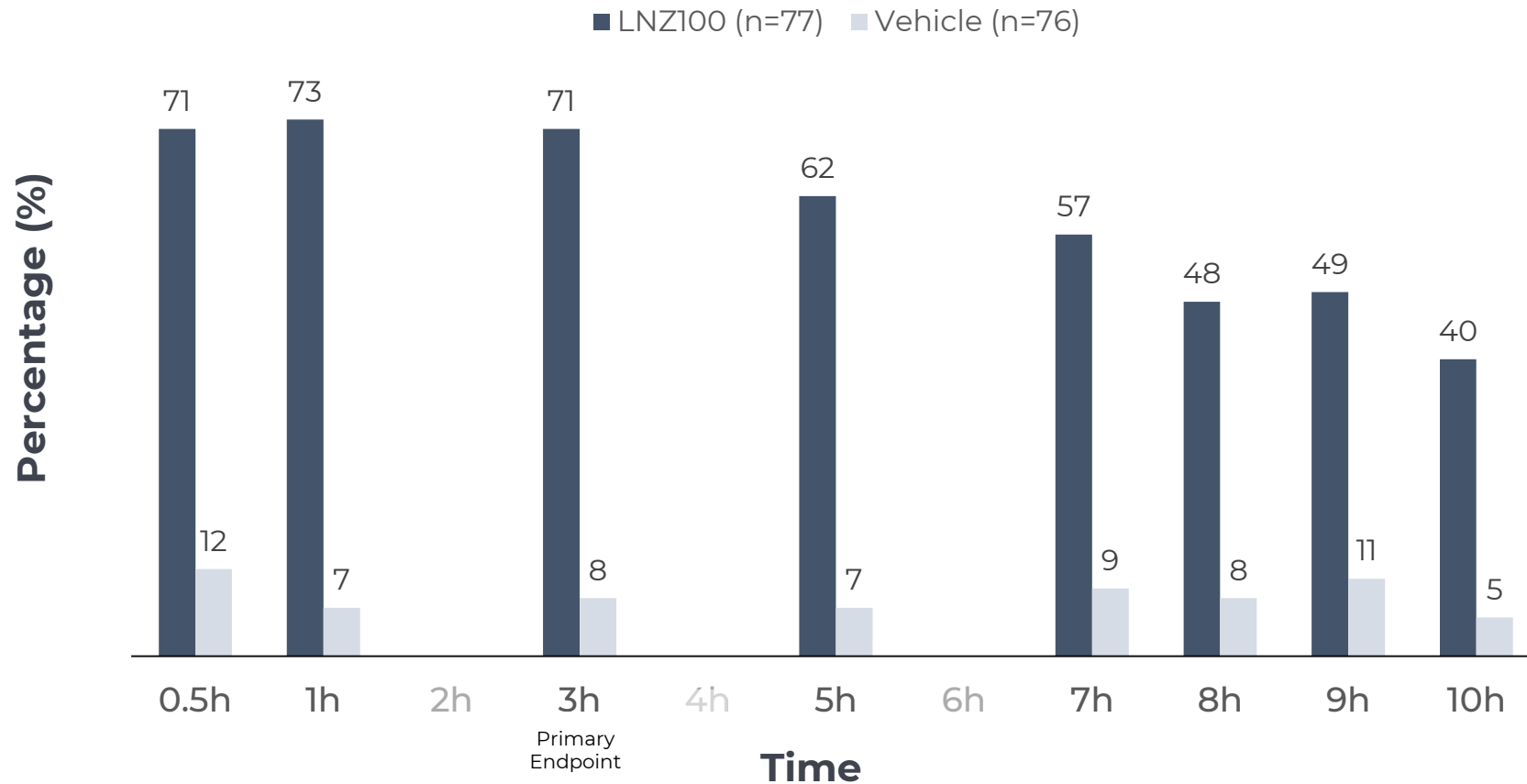
Inclusive of post-LASIK
presbyopes and pseudophakes

Baseline near visual
acuity 20/50 or worse



LNZ100 achieved rapid onset and 10 hours duration

% of Participants Achieving ≥ 3 -Line Near Vision Improvement
(no loss of 1 line or more BCDVA)



Rapid onset with **71% of participants** achieving ≥ 3 -Line improvement at **30 min**

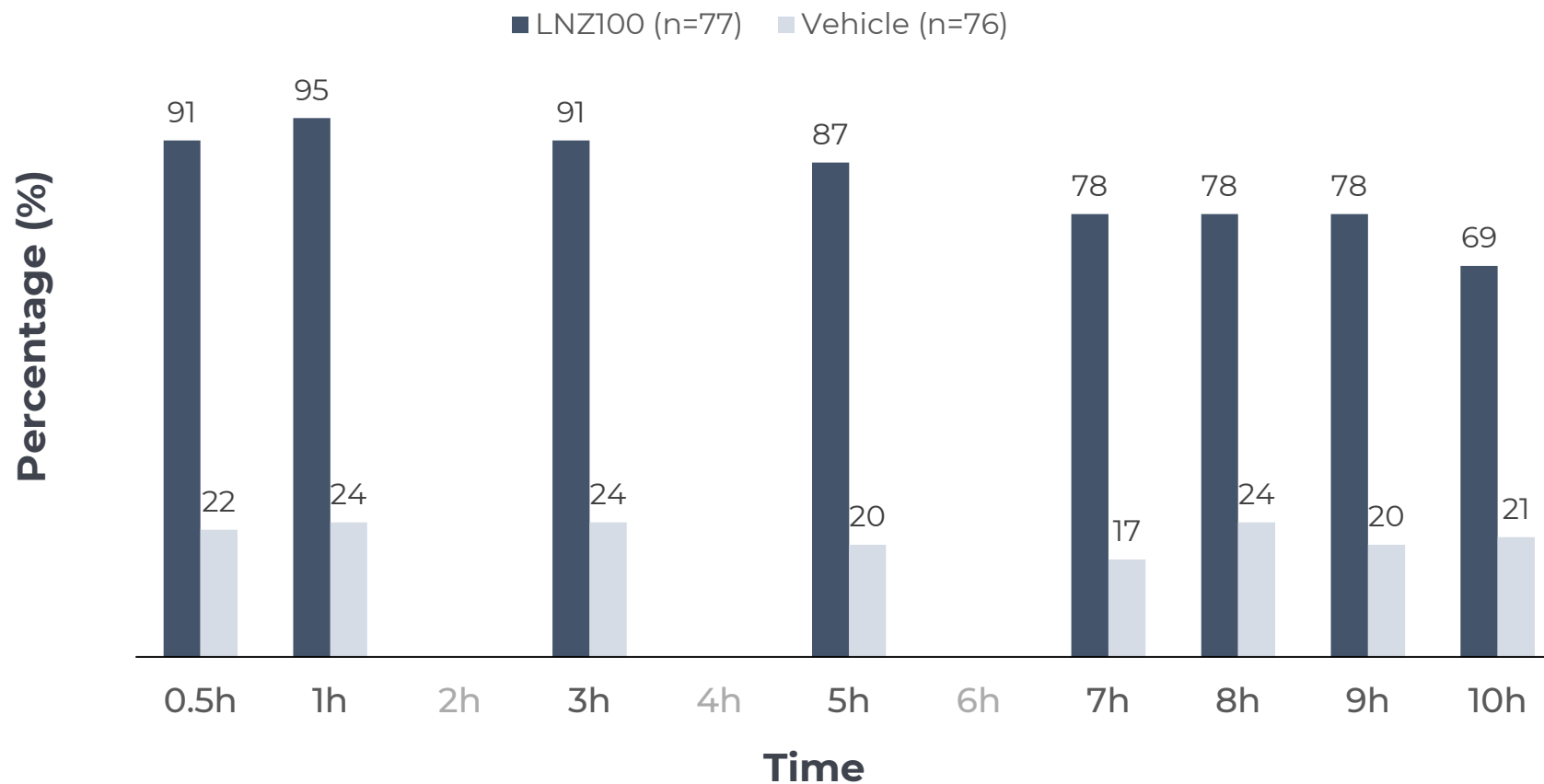
Achieved **Primary Endpoint** with **71%** participants achieving ≥ 3 -Line improvement at **3 hr**

Long Duration with **40%** response at **10 hours**

$p < 0.0001$ for all timepoints

Nearly all participants (95%) achieved a ≥ 2 -Line improvement

% of Participants Achieving ≥ 2 -Line Near Vision Improvement
(no loss of 1 line or more BCDVA)



95% of participants achieved ≥ 2 -Line improvement **at 1 hr**

69% of participants achieved ≥ 2 -Line improvement **at 10 hrs**

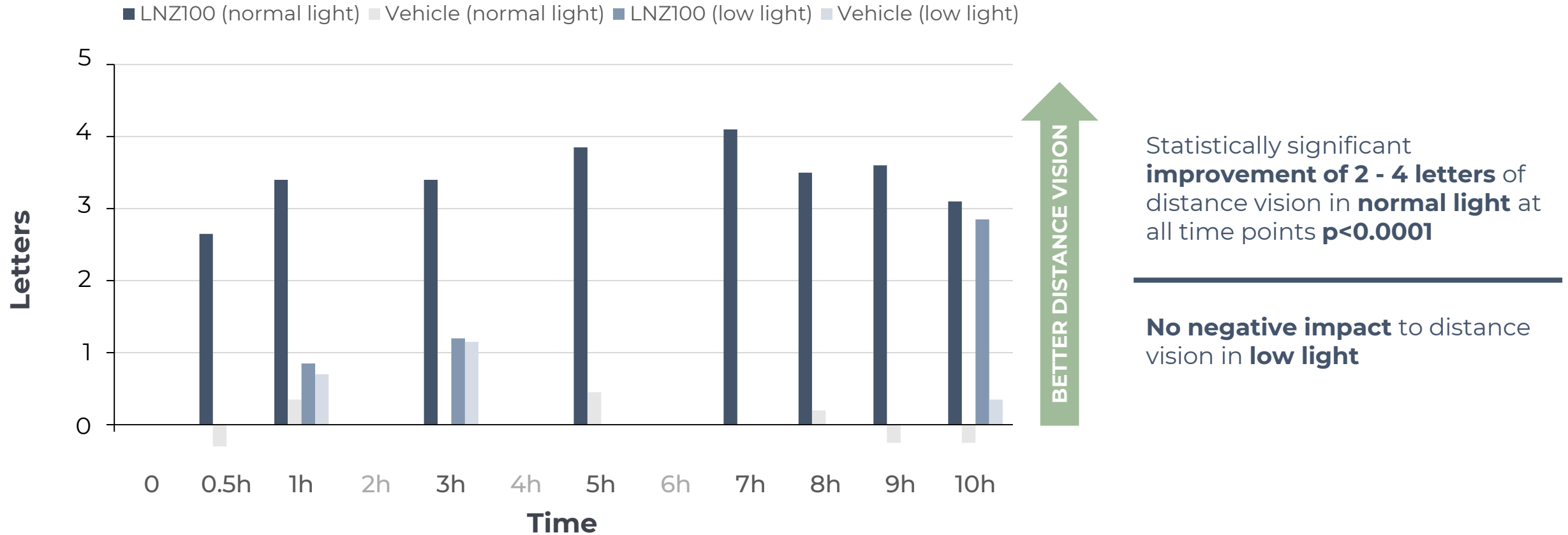
≥ 2 -Line improvement seen as **clinically meaningful**

$p < 0.0001$ for all timepoints

Positive impact to distance vision in normal light

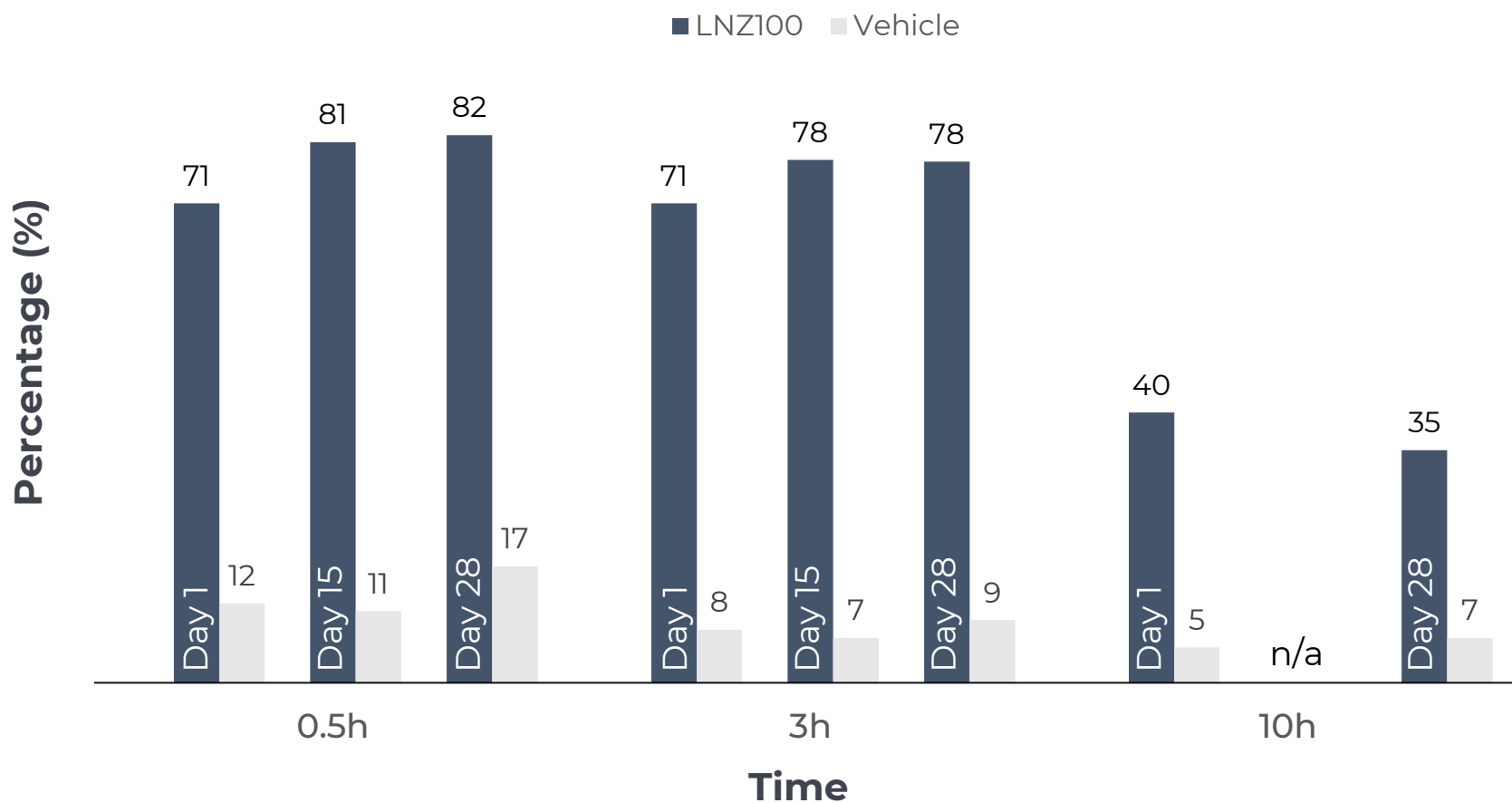
Mean Impact to Distance Vision Over Time

Best Corrected Distance Visual Acuity



Consistent near vision improvement over 28 days

% of Participants Achieving ≥ 3 -Line Near Vision Improvement
(no loss of 1 line or more BCDVA)



Reproducible and robust near vision improvement across study days

Consistent and well-controlled with a **low placebo response rate**

p<0.0001 for all timepoints vs vehicle

Well tolerated with vast majority of AEs reported as mild

Pooled analysis of CLARITY 1 & 2

	LNZ100 N=234 n(%)		Vehicle N=76 n(%)
Ocular AEs			
Instillation site irritation <i>(mild stinging upon instillation)¹</i>	47 (20.1%)	100% mild	8 (10.5%)
Visual impairment <i>(mild dimness)¹</i>	31 (13.2%)	100% mild	1 (1.3%)
Hyperemia <i>(mild eye redness)</i>	21 (9.0%)	100% mild	2 (2.6%)
Non-Ocular AEs			
Headache	27 (11.5%)	89% mild 7% moderate	3 (3.9%)

No serious treatment related adverse events

Ocular AEs classified by participants and investigators as **100% mild**

Placebo corrected **headache incidence of 7.6%** and mostly reported as **mild**

All AEs expected to be transient in line with Phase 2 observations

Patient satisfaction confirms commercial opportunity for the vast majority of 128M US presbyopes

90%

Noticed improvement in near vision



75%

Would continue to use after study



81%

Would use 4-7 days/week¹



Pooled responses of LN2100 in Clarity 1 & 2 on day 28, n=223. Based on patient questionnaire "Reflecting on the last 30 days..." "Have you noticed an improvement in your near vision/ability to see up close after taking the drop?", "Would you be interested in continuing to use these eye drops after the study?", "How many days a week are you likely to use these eye drops?" 1. % of participants that indicated 'yes' to "Would you be interested in continuing to use these eye drops after the study?"

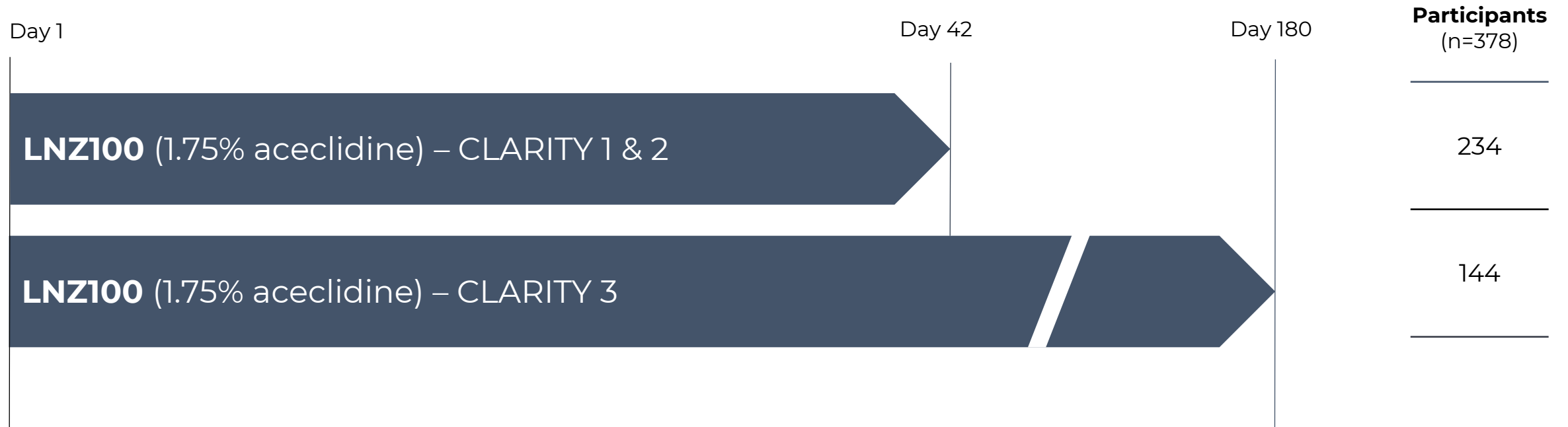
Across all CLARITY trials 378 participants for a combined 30,000+ days on LNZ100 without treatment related serious AEs

Ages 45 – 75,
Mean 55 years¹

Refractive range
-4D SE to +1D SE

Inclusive of post-LASIK
presbyopes and pseudophakes

Baseline near visual
acuity 20/50 or worse¹



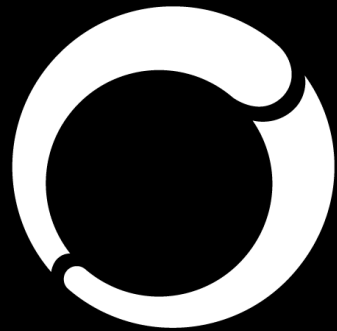
LNZ100 consistent performance across CLARITY 1 & 2; LNZ101 showed similar but not superior efficacy

Participants (%) with ≥ 3 -line and ≥ 2 -line improvement in BCDVA at near and no loss of ≥ 5 letters at 4m, at all time points $p < 0.0001$ vs. control

		CLARITY 1			CLARITY 2		
		LNZ100	LNZ101	Brimonidine	LNZ100	LNZ101	Vehicle
30 Min (Onset)	3 line	72%	56%	14%	71%	63%	12%
	2 line	87%	78%	38%	91%	72%	22%
3 Hour (Primary for ≥ 3 -line)	3 line	64%	49%	12%	71%	57%	8%
	2 line	83%	70%	29%	91%	81%	24%
10 Hour (Duration)	3 line	27%	37%	6%	40%	39%	5%
	2 line	61%	59%	21%	69%	67%	21%

LNZ100 selected as lead candidate targeting NDA Submission mid-2024

**Additional CLARITY data to be provided at
upcoming industry conferences**



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