



Developing Next Generation Programmed T Cell Therapies

August 2026

For Investor communication only. Not for use in product promotion.



Autolus.com

Disclaimer

These slides contain forward-looking statements within the meaning of the “safe harbor” provisions of the Private Securities Litigation Reform Act of 1995. Forward-looking statements are statements that are not historical facts, and in some cases can be identified by terms such as “may,” “will,” “could,” “expects,” “plans,” “anticipates,” and “believes.” These statements include, but are not limited to: statements regarding Autolus’ development and commercialization of its product candidates; Autolus’ manufacturing, sales and marketing plans for AUCATZYL, including expectations regarding the commercial launch in the United States and the ability to reach patients in a timely manner; the amount and timing of milestone payments under Autolus’ collaboration and license agreements; and future development plans of obe-cel, including the timing or likelihood of expansion into additional markets or geographies and related regulatory approvals. Any forward-looking statements are based on management’s current views and assumptions and involve risks and uncertainties that could cause actual results, performance, or events to differ materially from those expressed or implied in such statements. Actual results and the timing of events could differ materially from those anticipated in such forward-looking statements as a result of various risks and uncertainties, which include, without limitation: Autolus’ ability to maintain regulatory approval of AUCATZYL; its ability to execute its commercialization strategy for AUCATZYL; its ability to develop, manufacture and commercialize its other product candidates and the timing or likelihood of expansion of AUCATZYL into additional markets or geographies; Autolus’ ability to maintain a commercial infrastructure and to successfully launch, market and sell AUCATZYL; actions of regulatory agencies, which may affect the initiation, timing and progress of clinical trials or future regulatory approval; the labelling for AUCATZYL/obe-cel in any future indication or patient population, if approved; the potential for payors to delay, limit or deny coverage for AUCATZYL; Autolus’ ability to obtain, maintain and enforce intellectual property protection for AUCATZYL or any product candidates it is developing; the results of clinical trials are not always being predictive of future results; the cost, timing and results of clinical trials; that many product candidates do not become approved drugs on a timely or cost effective basis or at all; the ability to enroll patients in clinical trials; and possible safety and efficacy concerns. For a discussion of other risks and uncertainties, and other important factors, any of which could cause Autolus’ actual results to differ from those contained in the forward-looking statements, see the section titled “Risk Factors” in Autolus’ Annual Report on Form 10-K filed with the Securities and Exchange Commission, or the SEC, on March 27, 2026, as well as discussions of potential risks, uncertainties, and other important factors in Autolus’ subsequent filings with the Securities and Exchange Commission. All information in this presentation is as of the date of the presentation, and Autolus undertakes no obligation to publicly update any forward-looking statement, whether as a result of new information, future events, or otherwise, except as required by law. You should, therefore, not rely on these forward-looking statements as representing the Company’s views as of any date subsequent to the date of this presentation.

Autolus is positioned for value creation

Obe-cel product franchise supports multiple growth opportunities

Initial Indication: Adult r/r B-ALL
Strong execution and market expansion



**1H 2026 Net
Product Revenue**
\$71.9 million

- ✓ Increased FY 2026 guidance to \$140-150m in net product revenue
- ✓ Significant opportunity to grow overall CAR T market in adult r/r B-ALL
- ✓ Physician interest to pursue investigator sponsored trials in 1st line ALL



Pipeline expansion opportunities
grow future commercial potential in new indications

Product	Indication	Target	Preclinical	Phase 1	Phase 2/Pivotal	Approved
AUCATZYL®	Adult ALL	CD19				
obe-cel	Pediatric ALL	CD19				
obe-cel	Lupus Nephritis	CD19				
obe-cel	Progressive Multiple Sclerosis	CD19				



- Opportunity to establish a **pipeline in a product** with two pivotal Phase 2 clinical trials in lupus nephritis and pediatric ALL and a Phase 1 clinical trial in progressive MS
- Clinical data catalysts throughout 2027

Commercial and pipeline opportunities supported by proven manufacturing and product delivery capabilities and established authorized treatment centers

Autolus is a leader in CAR T manufacturing & product delivery

Executing on manufacturing and product delivery in the first year of launch:

- ✓ Manufacturing success rate >90%
- ✓ Fast, reliable and consistent product delivery
- ✓ No capacity limitations



Manufacturing Life Cycle Strategy: Opportunities for Innovation to Improve Margins

- 1 Optimizing the current manufacturing process and operating model
- 2 Enhancing automation opportunities on our existing process
- 3 Developing next-generation manufacturing platform with a step change in the cost and capacity profile



AUTOLUS' FIRST APPROVED PRODUCT

AUCATZYL®

A potentially best-in-class, standalone
CD19 CAR T cell therapy

AUCATZYL[®] is gaining traction in US and UK markets

AUCATZYL Global Net Product Revenue

Q2 2026
\$45.7 million

1H 2026
\$71.9 million

+119% year-over-year

+140% year-over-year

Growth Drivers



Penetration into US market deepening with positive physician experience in existing authorized treatment centers

Expansion into new treatment centers in the US & improving distribution of registrations across the ATC footprint

Supported by ROCCA consortium real-world data presentations

Early in launch, UK showing strong adoption and treatment center expansion

82 U.S. Authorized Treatment Centers

Autolus[™]
Assist



FELIX trial published in New England Journal of Medicine¹

Favourable response rate and tolerability, despite challenging patient population

High overall response rate with deep molecular responses

- Durable responses, particularly in patients with a low-to-intermediate bone marrow burden

Response by disease status at lymphodepletion	Overall Remission Rate (CR/CRi)
All patients (n=127)	77%
Morphological disease (n=91)	75%
Measurable residual disease (n=29)	96%
Isolated extramedullary disease (n=7)	71%

Excellent tolerability profile

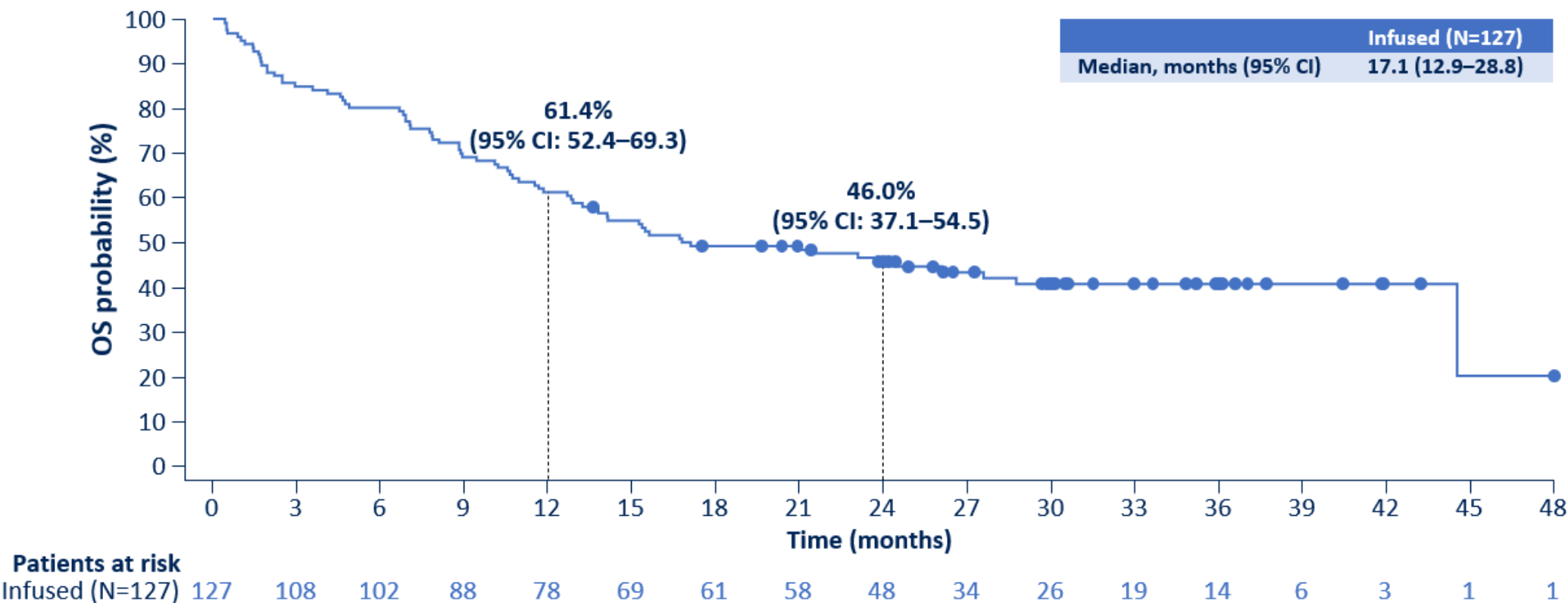
- Very low rates of high-grade immunotoxicities
- No high-grade events in low disease burden patients

Safety by disease burden at lymphodepletion	Grade ≥3 CRS	Grade ≥3 ICANS
All patients (n=127)	2%	7%
>75% Blasts (n=40)	2%	12%
5-75% Blasts (n=51)	4%	8%
<5% Blasts (n=36)	0%	0%

1. Roddie C, et al "Obecabtagene autoleucel in B-cell acute lymphoblastic leukemia" N Engl J Med 2024; DOI: 10.1056/NEJMoa2406526

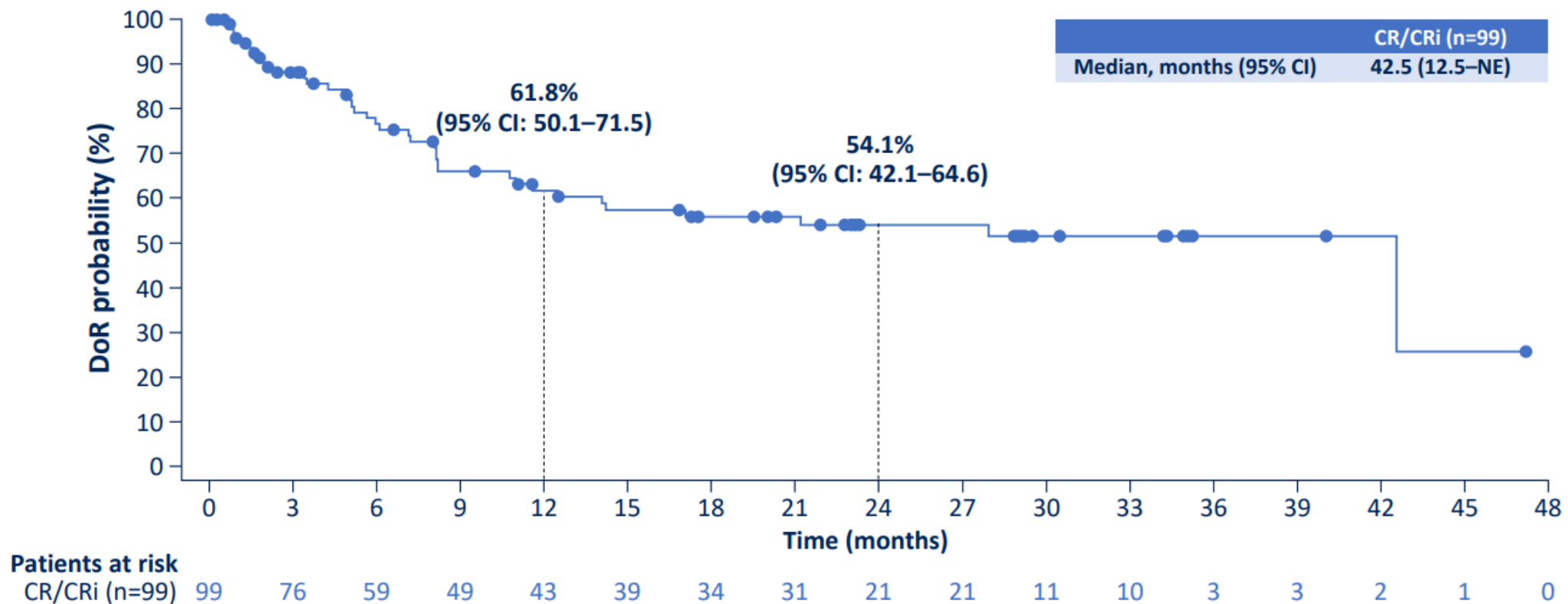
Data continue to show long term remissions in r/r adult B-ALL

At 24 months, overall survival probability was 46.0%



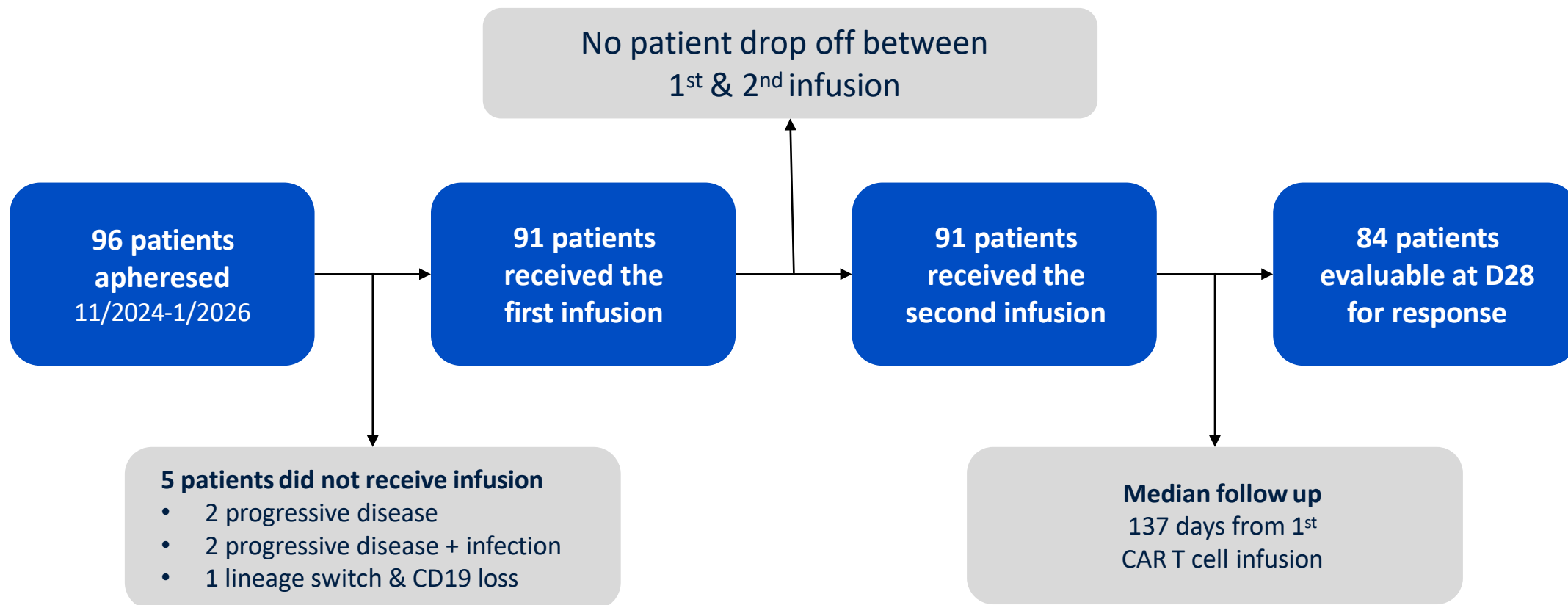
Duration of response: median 42.6 months at last data cut

More than half of patients still in remission at 24 months



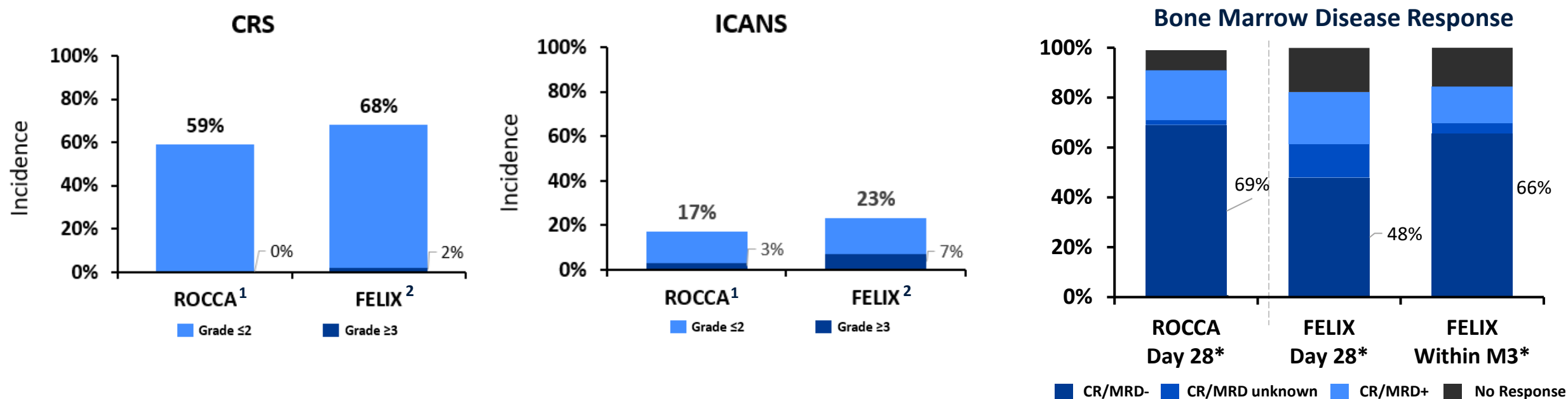
ASTCT 2026: AUCATZYL[®] patient characteristics in real world setting

ROCCA Consortium registry covers approximately 60% of U.S. commercial patients at data cutoff of January 2026



ASTCT 2026: AUCATZYL[®] real world data consistent with FELIX pivotal trial

ROCCA Consortium registry covers approximately 60% of U.S. commercial patients at data cutoff of January 2026



- ✓ Patients with lower tumor burden being treated in real-world setting compared to FELIX trial¹
- ✓ Improvements in both safety and efficacy in real-world data compared to FELIX trial¹
- ✓ Real world data show favorable safety profile with no high-grade CRS; 3% high-grade ICANS¹
- ✓ Disease response in FELIX trial deepened between Day 28 and Month 3²

¹ Valtis Y, et al. "Patient characteristics, toxicity, and response after real world administration of obecabtagene autoleucel and brexucabtagene autoleucel for R/R ALL: A ROCCA analysis"; TANDEM Transplantation & Cellular Therapy Meetings of ASTCT & CIBMTR; February 2026

² Roddie C, et al "Obecabtagene autoleucel in B-cell acute lymphoblastic leukemia" N Engl J Med 2024; DOI: 10.1056/NEJMoa2406526;

* ROCCA: MRD measured by NGS/flow per institutional standards; FELIX: MRD measured by clonoSEQ[®] next-generation sequencing (NGS) assessment at 10⁻⁶ level among all patients with NGS calibration.

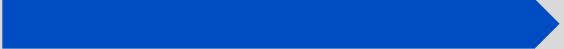


Expanding the obe-cel opportunity

Deep value program with potentially broad applicability

Pipeline supports growth with multiple development opportunities

Near-Term Growth Drivers

Product	Indication		Target	Preclinical	Phase 1	Phase 2/Pivotal	Approved	Status
AUCATZYL® (obe-cel)	Adult ALL		CD19					FDA, MHRA [^] & EC approved [†]
obe-cel	Pediatric ALL		CD19					Currently enrolling
obe-cel	Lupus Nephritis		CD19					Currently enrolling
obe-cel	Progressive Multiple Sclerosis		CD19					Currently enrolling

Early Stage / UCL Collaborations

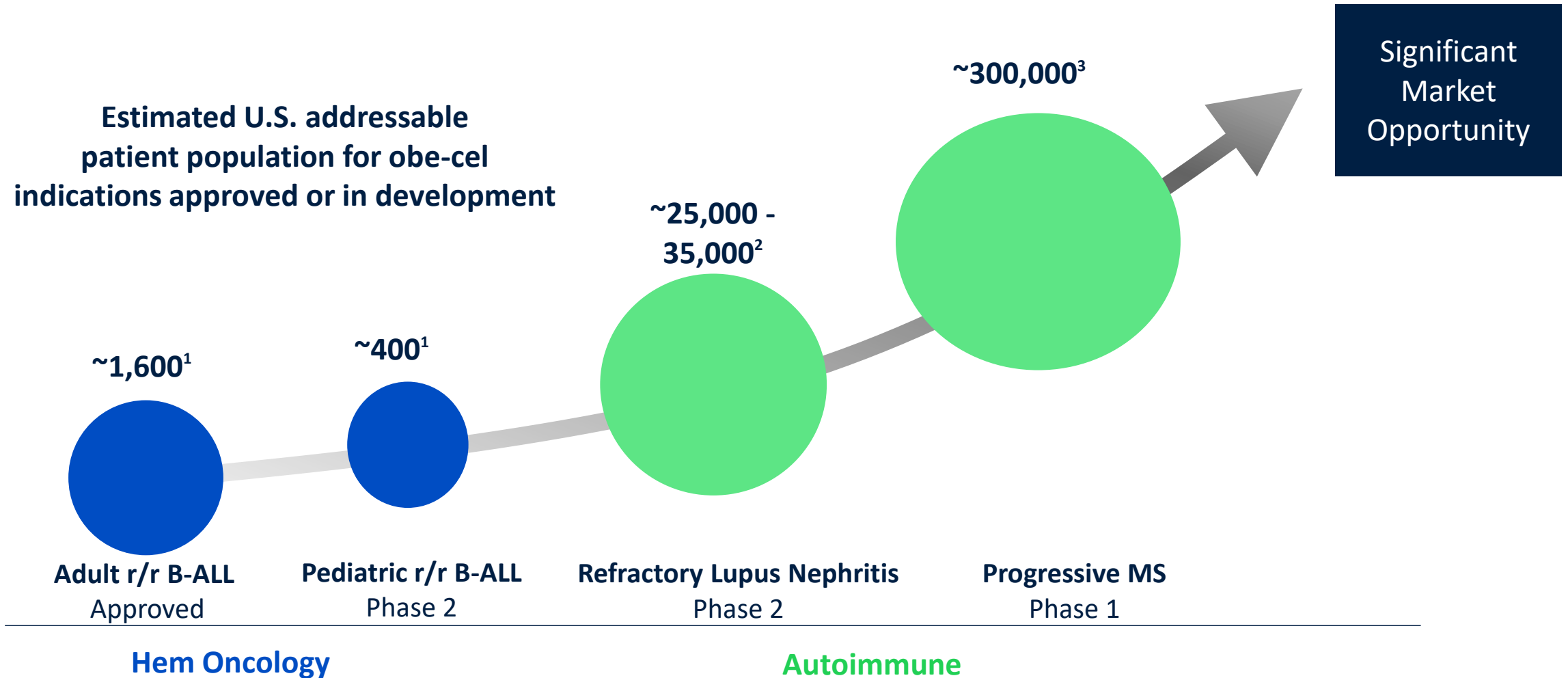
Product	Indication	Target	Preclinical	Phase 1	Status
AUTO8*	Multiple Myeloma	CD19 & BCMA			Currently enrolling
AUTO8*	Light Chain Amyloidosis	CD19 & BCMA			Currently enrolling
AUTO1/22*	Pediatric ALL	CD19 & CD22			Currently enrolling

[^]Conditional marketing authorization; [†]European Commission (EC) conditional approval; *UCL Collaboration

Growing the obe-cel franchise commercial opportunity

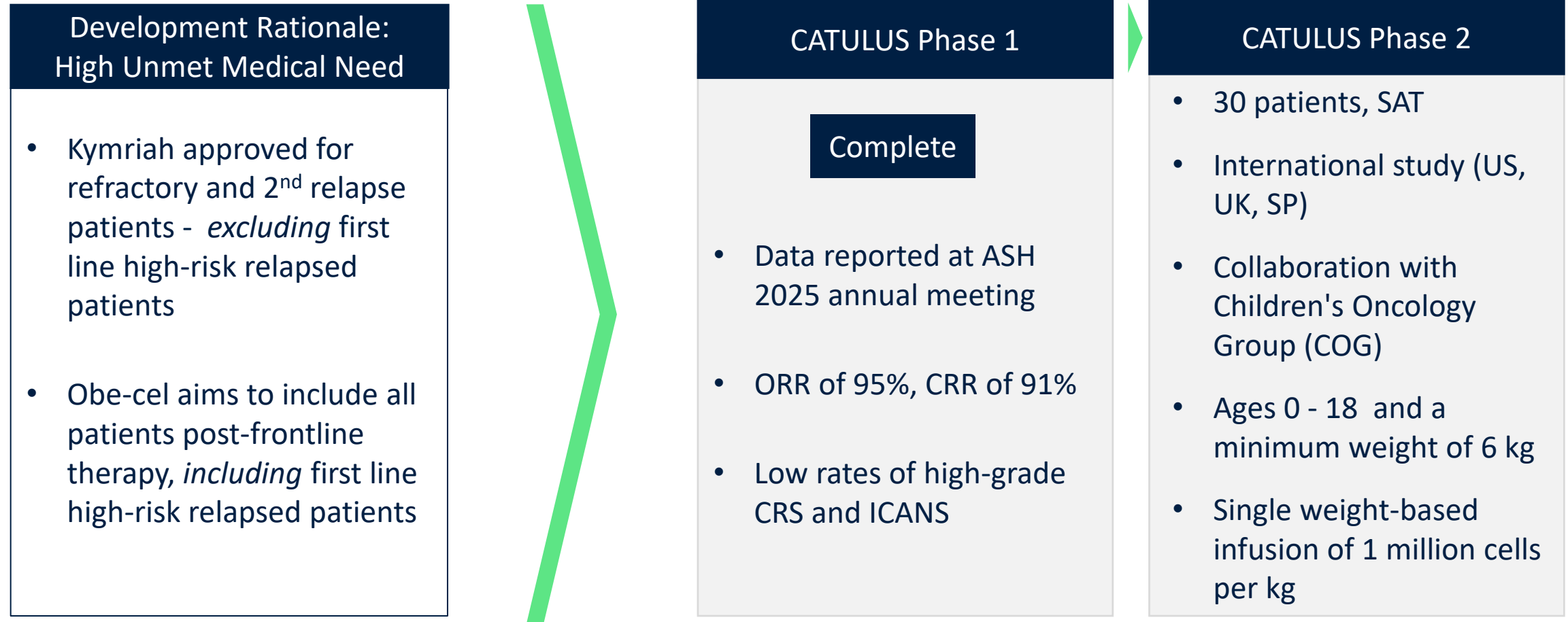
Robust clinical database and demonstrated commercial capabilities position Autolus for efficient path in new indications

Graphic is illustrative, not to scale



Pediatric r/r B-ALL development strategy

Regenerative Medicine Advanced Therapy (RMAT) designation supports development pathway



CATULUS trial is currently enrolling; data expected at end of 2027

CATULUS Phase 1 data support progressing into Phase 2

Safety profile of obe-cel in pediatric patients consistent with that previously reported in adults

	All infused patients, B-ALL cohort (N=23)	
	Any grade	Grade ≥3
Treatment-emergent adverse events, n (%)	23 (100)	17 (73.9)
CRS, n (%)	12 (52.2)	2* (8.7)
Time to onset of CRS in days, [‡] median (range)	7.0 (1–11)	9.5 (8–11)
ICANS, n (%)	4 (17.4)	2* (8.7)
Time to onset of ICANS in days, [‡] median (range)	8.5 (8–20)	8.5 (8–9)
Infections, n (%)	15 (65.2)	5 (21.7)
Sepsis, n (%)	2 (8.7)	2 (8.7)
Febrile neutropenia, n (%)	7 (30.4)	6 (26.1)
IVIg use, n (%)	19 (82.6)	
Treatment-related mortality, n (%)	0	

*One patient experienced both Grade 3 CRS and Grade 3 ICANS.

‡Time to onset (days) = [(Date of start of Any grade/Grade≥3 CRS/ICANS – Date of first obe-cel infusion) +1].

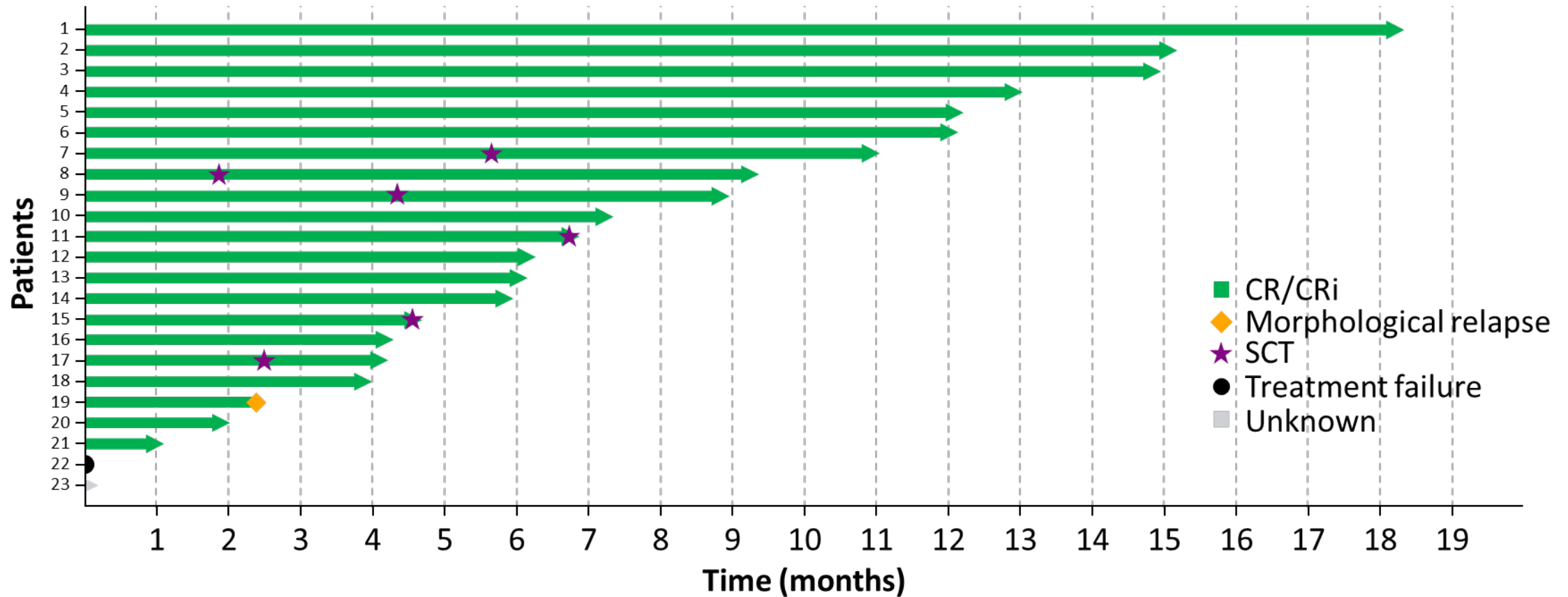
B-ALL, B-cell acute lymphoblastic leukemia; CRS, cytokine release syndrome; ICANS, immune effector cell-associated neurotoxicity syndrome;

IVIg, intravenous immunoglobulin

CATULUS data demonstrate promising initial efficacy in pediatric patients

At median follow-up of 8.8 months in pediatric r/r B-ALL patients: **ORR was 95.5%; CR was achieved in 90.9%**

Swimmer plot showing disease assessments in the B-ALL cohort



Opportunity in U.S. to be the preferred treatment for all age groups in r/r B-ALL with pediatric label expansion

	Ages	Disease Stages		
		Refractory	> 1L Relapse	> 2L+ Relapse
 Obe-cel	0-18*	✓	✓	✓
	18+	✓	✓	✓
 Tisa-cel	0-25	✓	✗	✓
	26+	✗	✗	✗
 Brexu-cel	0-18	✗	✗	✗
	18+	✓	✓	✓

MOA and commercial capabilities are key differentiators in AID

Obe-cel is the only CD19 CAR approved in other indications that is now being tested for autoimmune disease

Autolus Potential Advantage

- ✓ Favorable tolerability to drive acceptability in non-oncology indications
- ✓ Deep cut into the CD19+ B cells and plasma blasts
- ✓ Robust, economical and scalable manufacturing and established commercial infrastructure
- ✓ Potential for accelerated clinical program
- ✓ FDA-approved CAR-T therapy, with existing safety database, now in development for autoimmune indications

Supports differentiated approach and potential for obe-cel in autoimmune disease areas

CARSLYLE: Obe-cel shows promise as a new approach for SLE/LN

50 million cell dose selected as recommended Phase 2 dose

Patient population:

- Patients were significantly impaired with their kidney function and had across the board some of the highest SLEDAI-2K disease scores included in current SLE studies.

Efficacy: Median follow up of 11.4 months in 50 million cell dose cohort

- Achievement of DORIS in 83.3% (n=5/6) of patients
- Achievement of complete renal remission in 50% (n=3/6 pts) of patients

Safety: Obe-cel was generally well tolerated in all patients with no ICANS, no high-grade CRS

PK/Biomarkers: All patients showed deep B-cell depletion shortly after infusion, which was subsequently followed by a predominance of naïve B-cell reconstitution, suggesting an obe-cel-driven immune reset

Next Steps:

- Completion of adolescent (aged 12–17 years) and higher dose level patient cohorts
- Data support progression into a Phase 2 lupus nephritis trial

CARSLYLE: Obe-cel is well tolerated with no ICANS or Grade ≥ 2 CRS

	Infused adult patients, 50M (n=6)		Infused adult patients, 100M (n=3)	
	Any grade, n (%)	Grade ≥ 3 , n (%)	Any grade, n (%)	Grade ≥ 3 , n(%)
CRS	3 (50.0)	0	3 (100)	0
ICANS	0	0	0	0
Any treatment-emergent adverse event	6 (100)	6 (100)	3 (100)	2 (66.7)
Neutropenia	6 (100)	6 (100)	2 (66.7)	2 (66.7)
Infection	6 (100)	2 (33.3)	3 (100)	0
Hypertension*	5 (83.3)	4 (66.7)	0	0
Anemia	4 (66.7)	3 (50.0)	1 (33.3)	1 (33.3)
Febrile neutropenia	2 (33.3)	2 (33.3)	0	0
Thrombocytopenia	2 (33.3)	1 (16.7)	1 (33.3)	1 (33.3)
Liver injury	0	0	1 (33.3)	1 (33.3)

Data cut-off: 04 November 2025. Roddie et al. 2025 ASH Annual Meeting

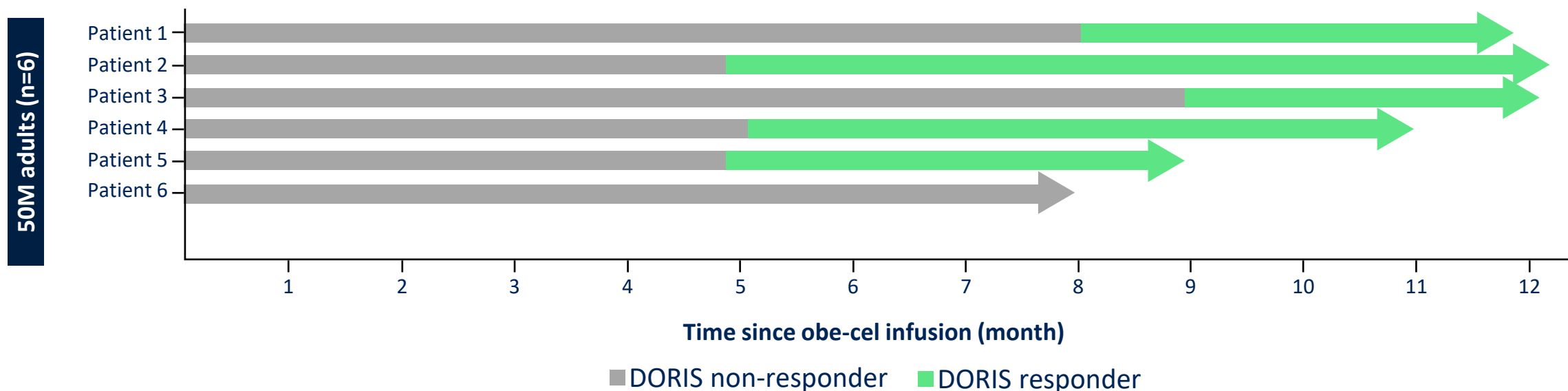
*Three patients in the 50M adult cohort had a pre-existing history of hypertension.

50M, 50×10^6 CAR T-cells; 100M, 100×10^6 CAR T-cells; CAR, chimeric antigen receptor; CRS, cytokine release syndrome; DLT, dose-limiting toxicity;

ICANS, immune effector cell-associated neurotoxicity syndrome; obe-cel, obecabtagene autoleucel.

5 of 6 patients achieved DORIS with median onset of 5.1 months

Swimmer plot showing DORIS over time in the 50M adult cohort (n=6)



- Renal responses reported at last follow-up visit in the 50M adult cohort indicate that three patients (50.0%) achieved CRR with onset at Month 1 and one patient (16.7%) achieved PRR with onset at Month 7
- The length of follow up was insufficient to calculate DORIS response or CRR/PRR for the 100M adult cohort

Data cut-off: 04 November 2025.

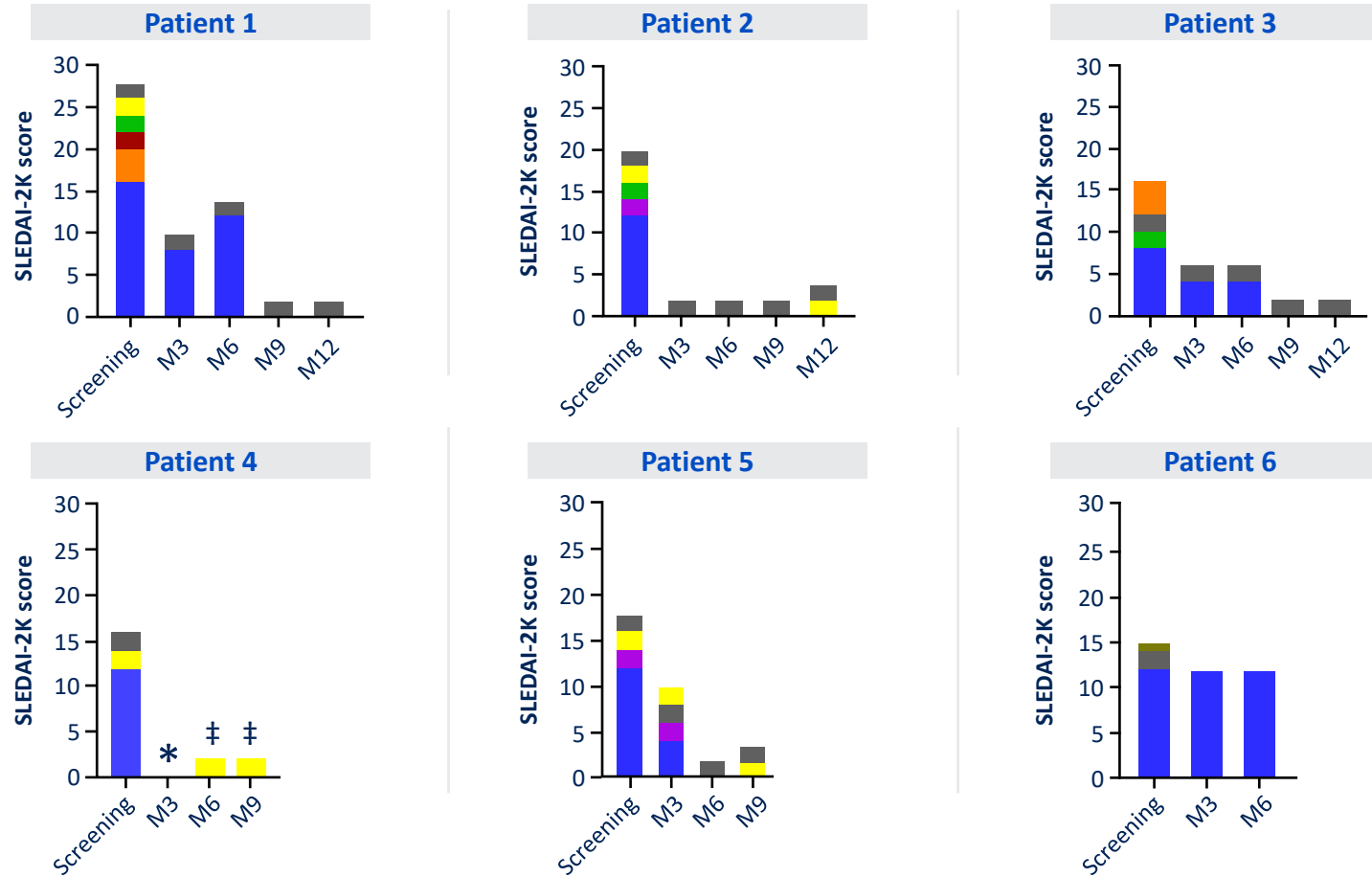
DORIS is defined as: SLEDAI = 0 (irrespective of serology), PGA <0.5, and ≤5 mg/day corticosteroid use. Use of stable antimalarials and immunosuppressives, including biologics, is allowed.

50M, 50×10⁶ CAR T-cells; 100M, 100×10⁶ CAR T-cells; CAR, chimeric antigen receptor; CRR, complete renal response; **DORIS, Definition of Remission in systemic lupus erythematosus;**

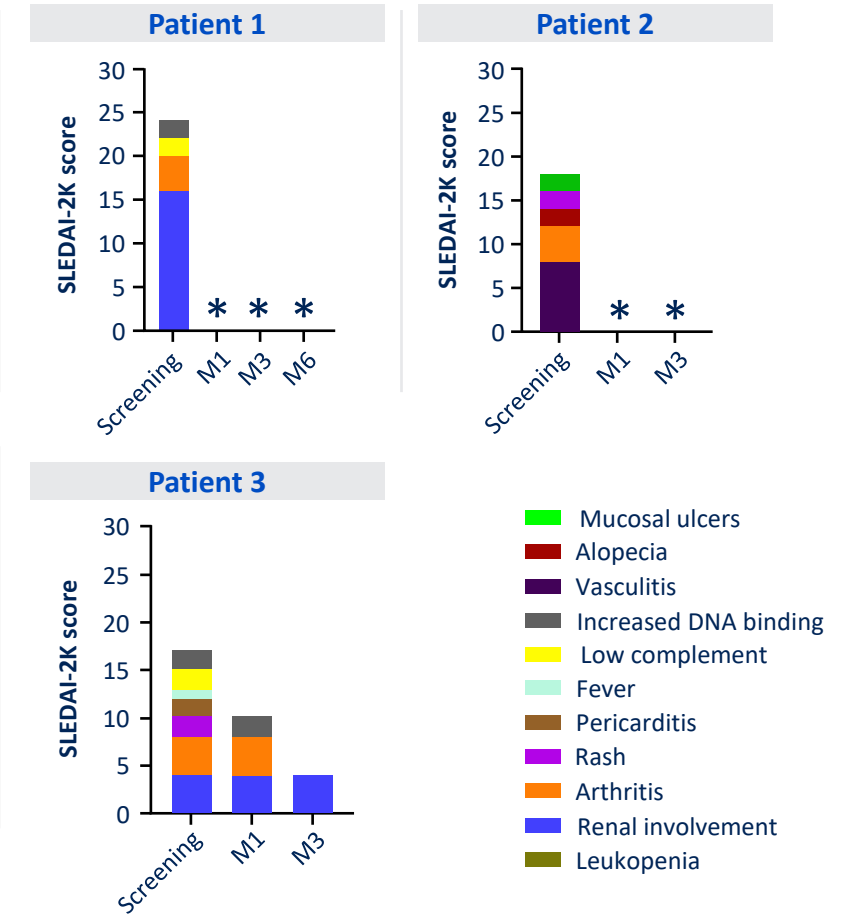
PGA, Physician Global Assessment; PRR, partial renal response; SLEDAI-2K, Systemic Lupus Erythematosus Disease Activity Index 2000.

Clinically meaningful reduction in SLEDAI-2K score observed

50M adult cohort (n=6)



100M adult cohort (n=3)



- Mucosal ulcers
- Alopecia
- Vasculitis
- Increased DNA binding
- Low complement
- Fever
- Pericarditis
- Rash
- Arthritis
- Renal involvement
- Leukopenia

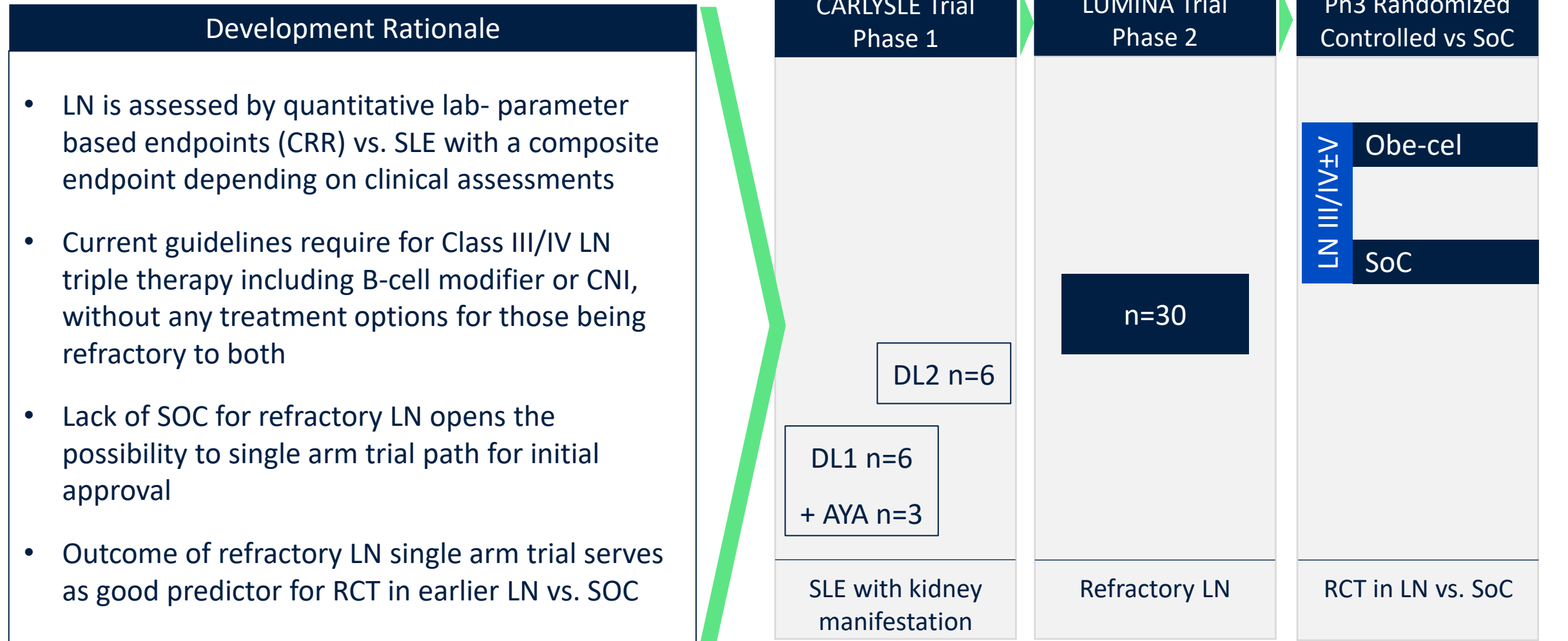
Data cut-off: 04 November 2025. SLEDAI-2K is an instrument designed to evaluate current SLE activity (not chronic damage) across 9 different organ systems. *SLEDAI-2K score of zero. †C3=0.84 g/L considered presence of low complement at M6 and M9 using a local lab lower limit of normal of 0.9 g/L.

50M, 50×10⁶ CAR T-cells; 100M, 100×10⁶ CAR T-cells; C3, complement 3; CAR, chimeric antigen receptor; DNA, deoxyribonucleic acid; M, month; SLE, systemic lupus erythematosus;

SLEDAI-2K, SLE Disease Activity Index 2000.

Lupus nephritis development strategy

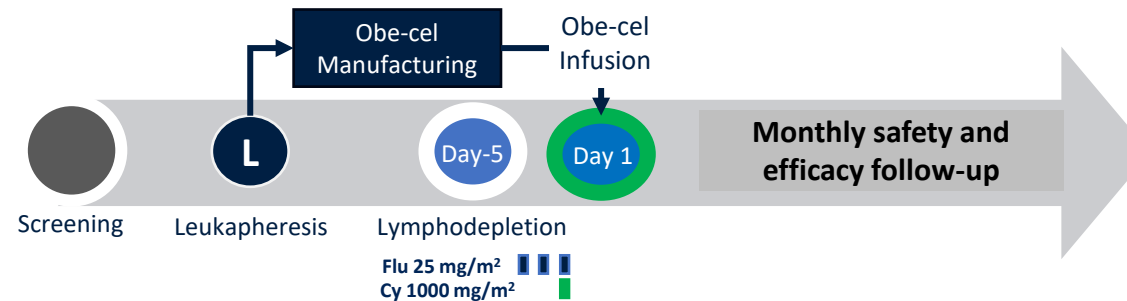
Leveraging a fast to market strategy



LUMINA trial is currently enrolling; data anticipated in 2028

Phase 2 LUMINA trial supports efficient path to market

Evaluating severe, refractory lupus nephritis (LN)



Trial design	Single arm, open-label, multi-centre, phase 2
Sample size	30 patients
Patient population	12-65 years of age, body weight ≥ 40kg - Diagnosis of SLE based on (EULAR)/ (ACR) 2019 classification - Positive (ANA) (≥ 1:80), or anti-dsDNA (≥ 30 IU/mL) or anti-Smith (> ULN), anti-histone or anti-chromatin (> ULN) - Severe, refractory LN (ongoing active class III, IV or V (only in combination with III or IV) - Prior immunosuppressive and biologic therapies with inadequate response or intolerance
Treatment	50 x 10 ⁶ CAR positive T-cells following Flu/Cy lymphodepletion
Endpoints	Primary: Complete Renal Response at 6 months Key Secondary: DORIS at 6 months
Timing	LUMINA trial is currently enrolling

Multiple sclerosis development strategy

Establish Phase 1 Clinical Proof of Concept in MS

- ✓ 3 x 6 dose escalation design - a higher dose may be required for CNS effect
- ✓ Biomarker readouts to provide nearer term evidence of biological effect at 6 months +
- ✓ Definitive clinical outcomes based on clinical disability progression at 12 months +

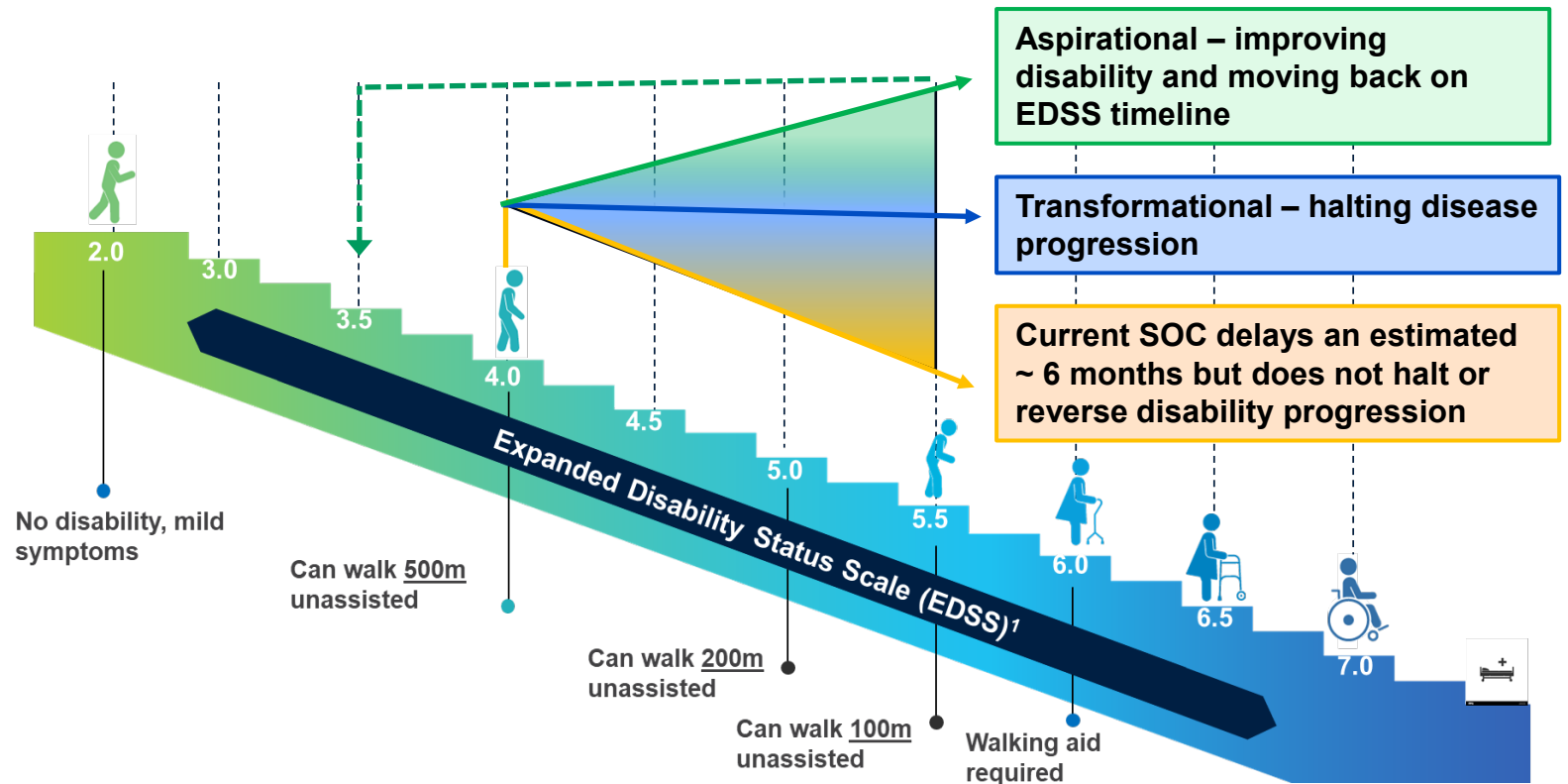
Initiate Phase 2/3 study in progressive MS patients exhibiting PIRA

- Anticipate a randomised phase 2/3 study design as path to approval
- Phase 1 clinical PoC is derisking for initiation of development in other neurology indications

First patient dosed in BOBCAT trial in October 2025

BOBCAT study population represents the highest unmet need in MS

1. Progressive forms of MS including all forms of progressive MS with EDSS scores of 3.5 to 6.5 included
2. Will include both active and non-active patients
3. Have failed high efficacy therapy for at least six months (e.g. CD20 mAb, S1P inhibitor)



1. Graphic based on Kurtzke JF Neurology 1983 Nov;33(11):1444-52.

BOBCAT Phase 1 study design

Sample size: 12-18 patients infused with obe-cel

Dosing: Standard Flu/Cy based preconditioning and a single infusion of 100 or 200 million CART cells and flexibility to adjust dose up or down

Primary endpoint:

- Safety

Secondary endpoints:

- 12-week confirmed disability progression (CDP) at one-year, composite measure of disability at one year, confirmed disability improvement
- Other functional measures: cognition, fatigue, QoL
- Imaging: MRI lesion counts (T1 Gd+, T2), MRI – MTR, MRI – regional brain volumes, MRI – cervical spinal cord volume, SEL, PRL)
- Biomarkers (blood and CSF): OCBs, IgG index, NfL, GFAP, Kappa chains, PK

Interim analysis at 6 months:

- Biomarkers including OCBs, IgG index, NfL, MRI lesions, MTR, Kappa chains, PK

Upcoming data update: BOBCAT Trial in Progressive MS

Patient and physician interest is high; trial enrollment continues on track

Q1 2027

Preliminary Phase 1 Data: Targeting ACTRIMS

- Total 12 patients
 - Safety
 - PK/PD
 - Biomarker data

2H 2027

Full Phase 1 Data

- Total 18 patients
 - Clinical response and longer-term follow up
 - Imaging data
 - Expanded safety, PK/PD & biomarker data
 - Potential path for next development and regulatory activities

Determining clinical efficacy in MS, as measured by EDSS or other clinical assessments, **requires approximately 12 months of follow-up to understand response** due to variability in symptoms and disease activity

Pipeline-in-a-product: expanding obe-cel's potential beyond adult B-ALL

Anticipated news flow and data catalysts for ongoing pipeline programs

	Timing	Program	Update	Indication	Trial
●	End of 2026	Obe-cel	Longer-term follow up data	Systemic Lupus (SLE)	CARLYSLE Phase 1
●	End of 2026	AUTO 8	Initial data in ~10 patients	AL Amyloidosis	ALARIC Phase 1
●	Q1 2027	Obe-cel	Preliminary results	Progressive Multiple Sclerosis	BOBCAT Phase 1
●	2H 2027	Obe-cel	Additional data with longer follow up	Progressive Multiple Sclerosis	BOBCAT Phase 1
●	End of 2027	Obe-cel	Phase 2 data	Pediatric r/r B-ALL	CATULUS Phase 1/2
●	2028	Obe-cel	Phase 2 data	Lupus Nephritis (LN)	LUMINA Phase 2

The background of the slide features a dark blue gradient with two large, overlapping circles. The circle on the left is a vibrant blue, while the one on the right is a darker shade of blue.

Financial Highlights

Financial summary – key metrics*

USD (\$' 000)	Q2 2026	Q2 2025	Variance
Product revenue, net	45,672	20,923	24,749
Cost and operating expenses:			
Cost of sales	(20,468)	(24,445)	3,977
Research and development expenses, net	(27,898)	(27,430)	(468)
Selling, general and administrative expenses	(41,161)	(30,265)	(10,896)
Loss from operations	(43,838)	(61,217)	17,379
Total comprehensive loss	(38,585)	(28,949)	(9,636)

*Select metrics only; for full financials please refer to the Company's 10-Q filing

Cash, cash equivalents & marketable securities

\$201.6M**

As of June 30, 2026

Capital base strengthened through five-year, interest-only credit facility

Autolus expects that its current and projected cash, cash equivalents and marketable securities, including the combined first and second tranches totaling \$100M from the credit facility, will be sufficient to **fund the Company's operations into Q2 2028.**

**Cash, cash equivalents and marketable securities; excludes additional capital from credit facility financing which closed in July 2026.

Executing to plan with momentum in 2026

2026 Expectations & Financial Guidance

FY 2026 Net Product Revenue

Increased from
\$120-\$135 million



Now expect
\$140 - \$150 million

Gross Margin

Achieved: Shift to **positive gross margin in 2026** based on increasing volumes and improved manufacturing plant operation

Commercial Expansion

Achieved: Increase **commercial footprint** in the US to more than **80** treatment centers



Path to profitability in the r/r B-ALL business

Optimizing the operating model and driving cost efficiency

Increasing volumes and operational efficiency initiatives producing gross margin improvements

We are here

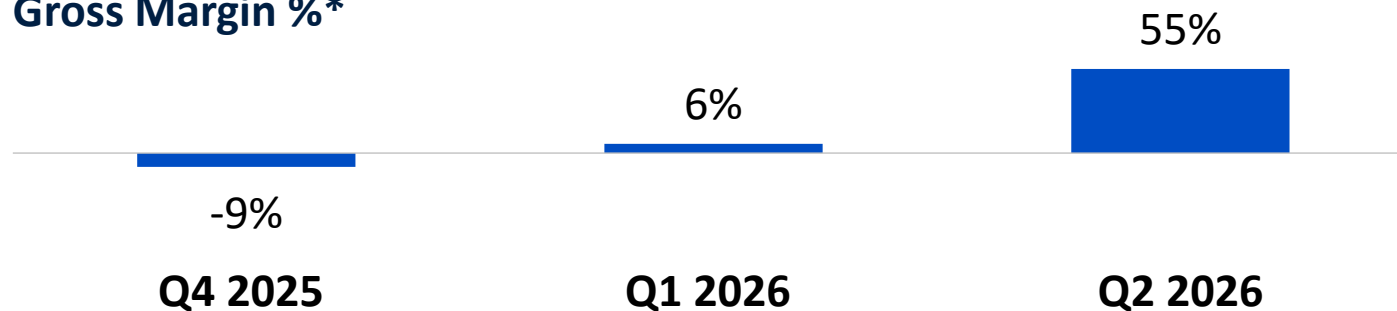


Launch: Establish consistent and high-quality product supply and service

Optimization: Improve efficiency and increase volumes to drive margins

Peak: expect gross profit margin of 65-70%

Gross Margin %*



Expect continued improvement with volumes and cost efficiencies

*Gross Margin percentage represents gross margin (net product revenue less cost of sales) divided by net product revenue



Thank you

Investor Contact:

A.Cray@autolus.com

Executive Director, Investor Relations & External Communications