

# Kyverna Therapeutics

**HARNESSING THE POWER OF CELL THERAPY  
IN AUTOIMMUNE DISEASE**

December 2024



# Disclaimer and Forward-Looking Statements

This presentation contains forward-looking statements that are based on management's beliefs and assumptions and on information currently available to management of Kyverna Therapeutics, Inc. ("Kyverna", "we", "our," or the "Company"). All statements other than statements of historical facts contained in this presentation are forward-looking statements. Forward looking statements include, but are not limited to, statements concerning: the Company's future results of operations and financial position, business strategy, drug candidates, planned preclinical studies and clinical trials, results of preclinical studies and named patient activities, ongoing clinical trials, research and development costs, plans for manufacturing, regulatory approvals, timing and likelihood of success, as well as plans and objectives of management for future operations. These forward-looking statements are subject to risks and uncertainties, including the factors described under the Risk Factors section of the Company's most recent Annual Report on Form 10-K and Quarterly Reports on Form 10-Q that the Company has filed or may subsequently file with the U.S. Securities and Exchange Commission. Actual results could differ materially and adversely from those anticipated or implied in the forward-looking statements. When evaluating Kyverna's business and prospects, careful consideration should be given to these risks and uncertainties. These statements speak only as of the date of this presentation, and Kyverna undertakes no obligation to update or revise these statements.

This presentation also contains estimates made by independent parties relating to industry market size and other data. These estimates involve a number of assumptions and limitations and you are cautioned not to give undue weight on such estimates. We have not independently verified the accuracy or completeness of such information and we do not take any responsibility with the accuracy or completeness of such information.

This presentation contains references to trademarks and marks belonging to other entities. Solely for convenience, trademarks and trade names referred to in this presentation may appear without the ® or TM symbols, but such references are not intended to indicate, in any way, that the applicable licensor will not assert, to the fullest extent under applicable law, its rights to these trademarks and trade names. The Company does not intend its use or display of other companies' trade names, trademarks or service marks to imply a relationship with, or endorsement or sponsorship of the Company by any other companies.

This presentation includes results from named patient activities. Named patient activities are not part of our clinical trials for KYV-101 and data from these trials and activities are reported by the relevant investigators and physicians. Such data are not obtained using a single protocol or designed to be aggregated or reported as study results and may be highly variable. While we do not expect to be able to use the results from these investigator-initiated trials or named patient activities in our applications for marketing approval to the U.S. Food and Drug Administration or other foreign regulatory agencies, we believe that this strategy may provide some competitive advantage as we will be able to acquire additional clinical insights beyond highly focused clinical trials in specific geographies.



**Goal:** Durable clinical response and withdrawal of immunosuppressive medications

**Before CAR-T**

- + Continued disease progression
- + Refractory to several lines
- + Toxic chronic therapies



**Aim of CAR T-cell therapy**

- + “Once and done”
- + Immune reset
- + Free of chronic medications

# Autoimmune Diseases Represent a Large, Under-served Market

Autoimmune diseases prevalence  
high and increasing  
(80+ different diseases)

Autoimmune diseases affect 8%  
of people in the U.S.<sup>1</sup>, with  
prevalence increasing YoY

Autoimmune disease  
large and growing market

Currently marketed products:  
>\$80B revenue<sup>2</sup>

Current treatments  
inadequate for patients long-term

Current therapies:  
✦ Low rates of remission  
✦ Serious long-term side effects

B Cell-Driven Diseases	Estimated Number of Diagnosed Patients in US + EU + Japan <sup>3</sup>
Rheumatoid Arthritis	4,700,000
Multiple Sclerosis	1,520,000
Sjogren's Disease	750,000
Systemic Lupus Erythematosus (SLE)	560,000
Systemic Sclerosis	200,000
Lupus Nephritis	160,000
Myasthenia Gravis	160,000
Inflammatory Myositis	120,000
ANCA-Associated Vasculitis	100,000
Neuromyelitis Optica	20,000
<b>Total</b>	<b>~8.3 Million Patients</b>

Note: 1. National Institutes of Health (NIH) Autoimmune Diseases Coordinating Committee. Progress in Autoimmune Diseases Research (Publication No. 05-5140). March 2005. 14, Accessed date: October 25, 2022; 2. GlobalData 2021; 3. Published literature through GlobalData market analysis reports and internal data 2022

# Working with Leaders and Trailblazing the Autoimmune CAR-T Field

## Autoimmune CAR-T Milestones



THE LANCET  
Neurology



BRUDNO<sup>1</sup>  
2020

20 patients with B-cell malignancies treated with KYV-101 construct

SCHETT<sup>2</sup>  
2021

1<sup>st</sup> autoimmune disease patient treated (lupus nephritis)

HAGHIKIA<sup>3</sup>  
2023

1<sup>st</sup> neuroinflammatory disease patient treated (KYV-101 in myasthenia gravis)

SCHETT<sup>4</sup>  
2024

Single-center case series in rheumatology

2018

2024

Kyverna  
Founded

Demonstrated  
Safety & Feasibility  
with KYV-101 in  
B-cell Malignancy

1st to Tackle  
Autoimmune  
Disease

Partnered with  
NIH to Deliver  
KYV-101



Fully Human CD-19

1st Company To  
Dose Autoimmune  
Patient



Largest Clinical  
Experience Using  
KYV-101

Differentiated with  
RMAT and FASTRACK  
Designations

## Kyverna Milestones

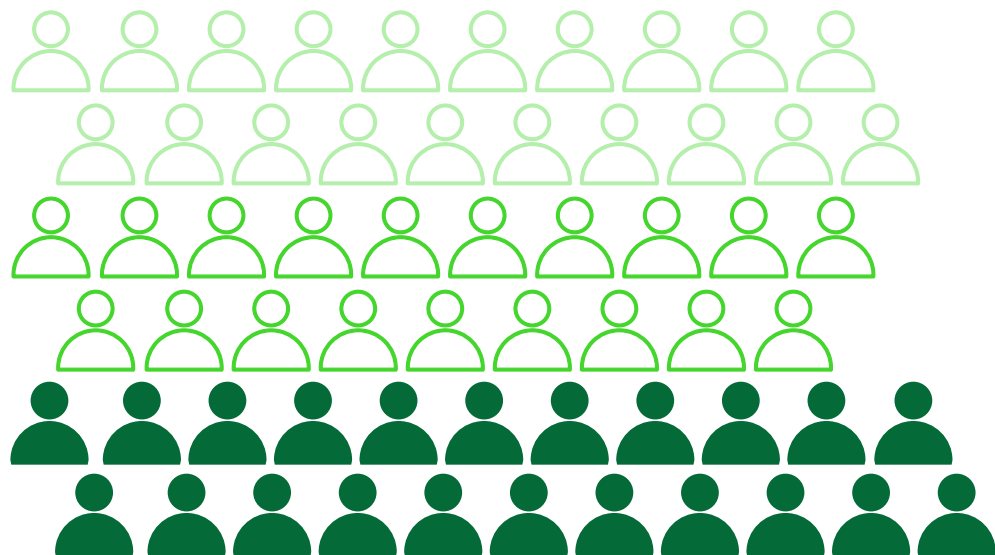
Best Access for Patients  
with Global Clinical Trial  
and Manufacturing

1. Brudno JN, et al. *Nat Med.* 2020;26(2):270-280; 2. Mougiakakos D, et al. *N Engl J Med.* 2021;385(6):567-569; 3. Haghiakia A, et al. *Lancet Neurol.* 2023;22(12):1104-1105; 4. Mueller F, et al. *N Engl J Med.* 2024;390(7):687-700.

# Kyverna's Leading Patient Experience with KYV-101

## 50+ Autoimmune Patients

Across diverse indications treated with KYV-101



## 15+ Autoimmune Indications

Broad indication experience builds market opportunity with KYV-101

- + Stiff-person syndrome
- + Myasthenia gravis
- + Multiple sclerosis
- + NMOSD
- + CIDP
- + Rheumatoid arthritis
- + Systemic sclerosis
- + Lupus nephritis
- + ANCA-associated vasculitis
- + And others

As of October 31, 2024.

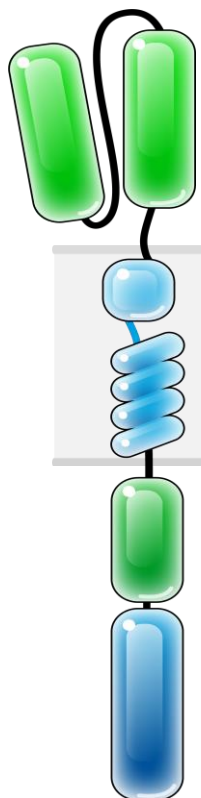
ANCA, antineutrophil cytoplasmic antibody; CAR, chimeric antigen receptor; CIDP, chronic inflammatory demyelinating polyradiculoneuropathy; NMOSD, neuromyelitis optica spectrum disorder.



# KYV-101: Uniquely Designed to Impact the Unmet Need in Autoimmune Disease

## KYV-101 Design

KYV-101  
(Hu19-  
CD828Z)



Human  
Anti-CD19 scFv

Human  
CD8 $\alpha$  Hinge

Human  
CD8 $\alpha$  TM

Human  
CD28 Costim

Human  
CD3 $\zeta$

### *Designed for* **POTENCY**

- ✦ The only construct with **highly potent CD28**
- ✦ **Maximal B-cell depletion** and **immune reset** ability

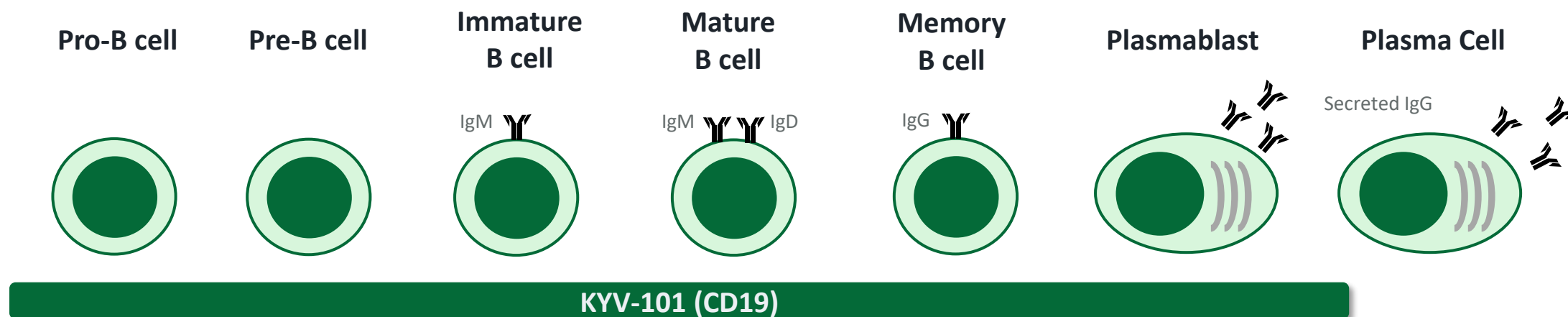
### *Potential for* **TRANSFORMATIVE EFFICACY**

- ✦ Largest clinical experience across **15+ indications**
- ✦ Potential **life-changing efficacy** in refractory patients
- ✦ “One and Done” **impacting chronic disease**

### *Engineered for* **SAFETY**

- ✦ Unique CAR **designed to minimize toxicity**
- ✦ **Fully human** single-chain variable fragment
- ✦ CD8 $\alpha$  hinge and TM domains

# Differentiated Broad Impact of KYV-101: The Value of CD19











Maximizing the depth of B cell cleanout is how we reset the disease

*CD19-targeted depletion eliminates the broadest range of B-cell subsets showing promising efficacy while preserving humoral immunity*



# Leading Pipeline Recognized for Addressing Clinical Unmet Need

*Actively enrolling studies in the US and Europe*

Technology	Candidates	Target	Indication	Discovery / Validation	Preclinical	Clinical Phase 1	Clinical Phase 2	Clinical Phase 3	Regulatory Milestone
Autologous CAR T	KYV-101 Rheumatology	CD19	Lupus nephritis	KYSA-1  	Phase 1/2				Fast Track
			Systemic sclerosis	KYSA-3 	Phase 1/2				ODD
	KYV-101 Neurology	CD19	Myasthenia gravis	KYSA-6  	Phase 2				ODD, RMAT
			Multiple sclerosis	KYSA-7  	Phase 2				Fast Track
			Stiff person syndrome	KYSA-8 	Phase 2				ODD, RMAT
Allogeneic CAR T	KYV-201	CD19	Multiple						

Fast track designation does not assure that we will experience a faster development process, regulatory review or regulatory approval process compared to conventional FDA procedures.  
CAR, chimeric antigen receptor; FDA, Food and Drug Administration; ODD, orphan drug designation; RMAT, regenerative medicine advanced therapy.

# KYV-101 in Neuroinflammatory Diseases



# Presented Case Reports – Company Symposium at ECTRIMS 2024

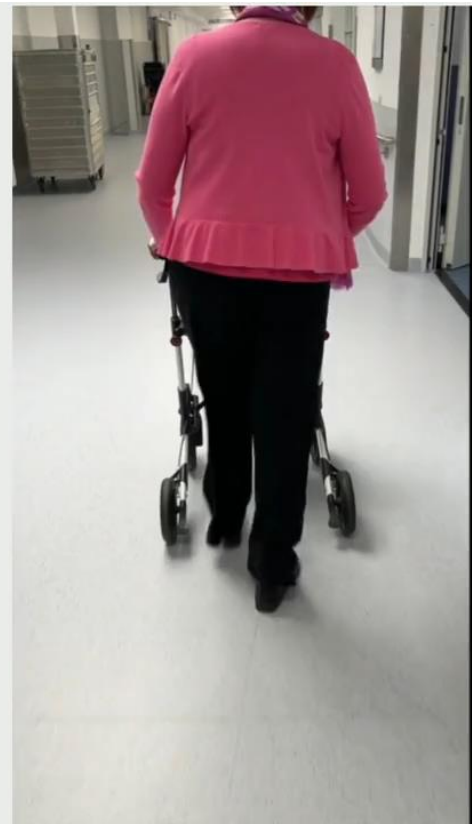
## KYV-101 Shows Promising Efficacy in Stiff-Person Syndrome

Bedbound,  
Unable to Bend Legs



Pre-infusion

Able to Walk  
and Turn With Aids



4-6 Months Post

Able to Walk Unaided  
without Fear of Falling



8 Months Post

PNAS

BRIEF REPORT

IMMUNOLOGY AND INFLAMMATION

OPEN ACCESS

### Successful use of anti-CD19 CAR T cells in severe treatment-refractory stiff-person syndrome

Simon Faissner <sup>id a,2,1</sup>, Jeremias Motte <sup>id a,1</sup>, Melissa Sgodzai <sup>a,1</sup>, Christian Geis <sup>id b</sup>, Aiden Haghikia <sup>id c</sup>, Dimitrios Mougkakakos <sup>d</sup>, Dominic Borie <sup>id e</sup>, Roland Schroers <sup>id f,2</sup>, and Ralf Gold <sup>id a,2</sup>

Edited by Lawrence Steinman, Stanford University, Stanford, CA; received February 22, 2024; accepted May 10, 2024

June 17, 2024 | 121 (26) e2403227121 | <https://doi.org/10.1073/pnas.2403227121>

### At 1 year after KYV-101:

- + Reduced stiffness
- + Improved mobility
- + Stable gait
- + Better walking speed
- + 90% reduction in anti-GAD antibody

# Immune Reset Leading to Durable Treatment Response

## Schett Experience

### First CAR T SLE patient at >3 years<sup>1-3</sup>

- + Disease free
- + No serious adverse events
- + Off immunosuppressants and glucocorticoids
- + B cells repopulated as of day 148



## Kyverna Experience

### First KYV-101 MG patient at 15 months<sup>4,5</sup>

- + Disease free
- + No serious adverse events
- + Off immunosuppressants and glucocorticoids
- + B cells repopulated as of day 132



### Second KYV-101 MG patient at 12 months<sup>5</sup>

- + Disease free
- + No serious adverse events
- + Off immunosuppressants and glucocorticoids
- + B cells repopulation pending as of month 10



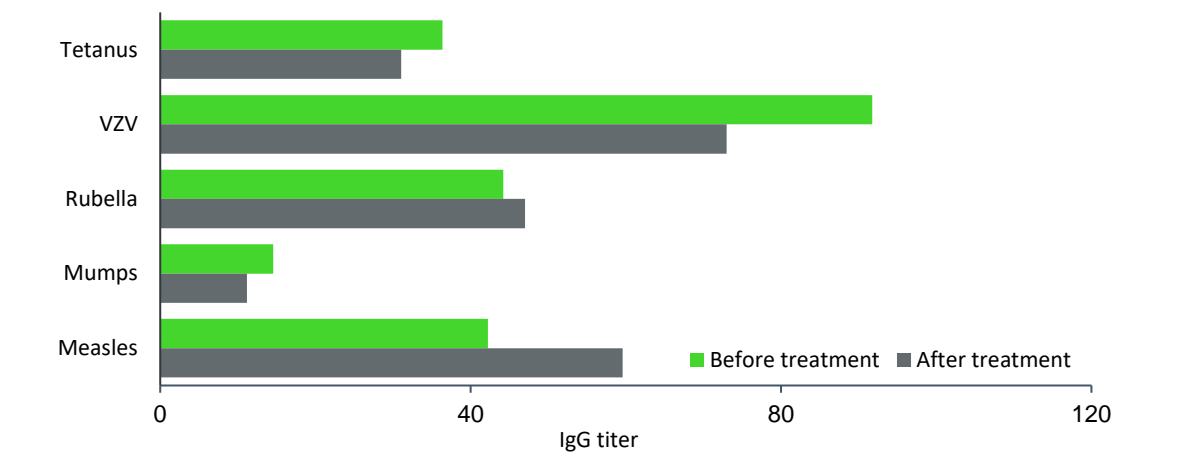
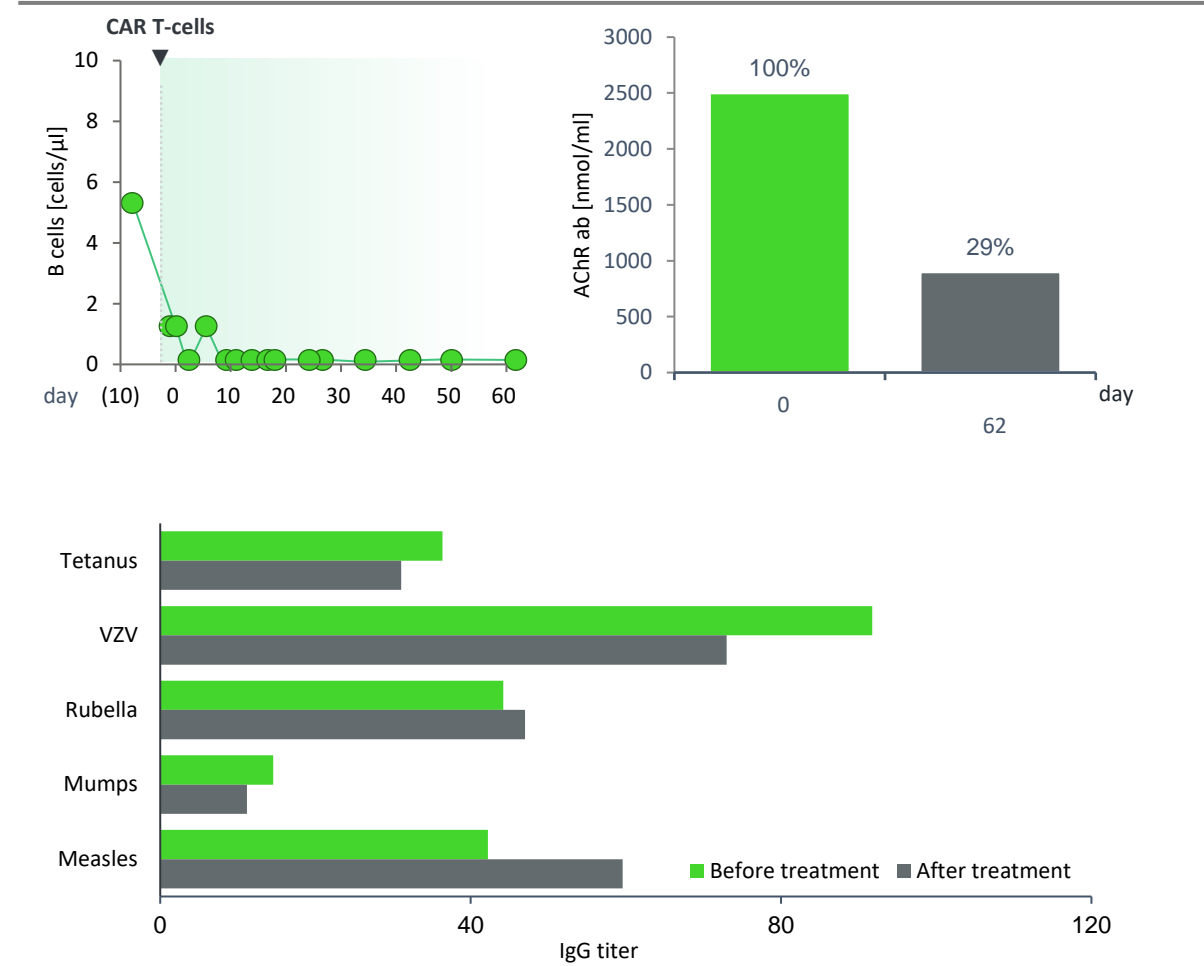
Note: named patient data; CAR, chimeric antigen receptor; MG; myasthenia gravis; SLE, systemic lupus erythematosus.

1. Mougiakakos D, et al. N Engl J Med. 2021;385:567-569. 2. Taubmann J, et al. EULAR 2023, Abstract OP0141. Ann Rheum Dis. 2023;82:93-94. 3. World exclusive: CAR-T cell therapy successfully used against autoimmune disease. <https://www.fau.eu/2021/08/11/news/research/world-exclusive-car-t-cell-therapy-successfully-used-against-autoimmune-disease/>. 4. Haghikia A, et al. Lancet Neurol. 2023;22:1104-5. 5. Unpublished data.

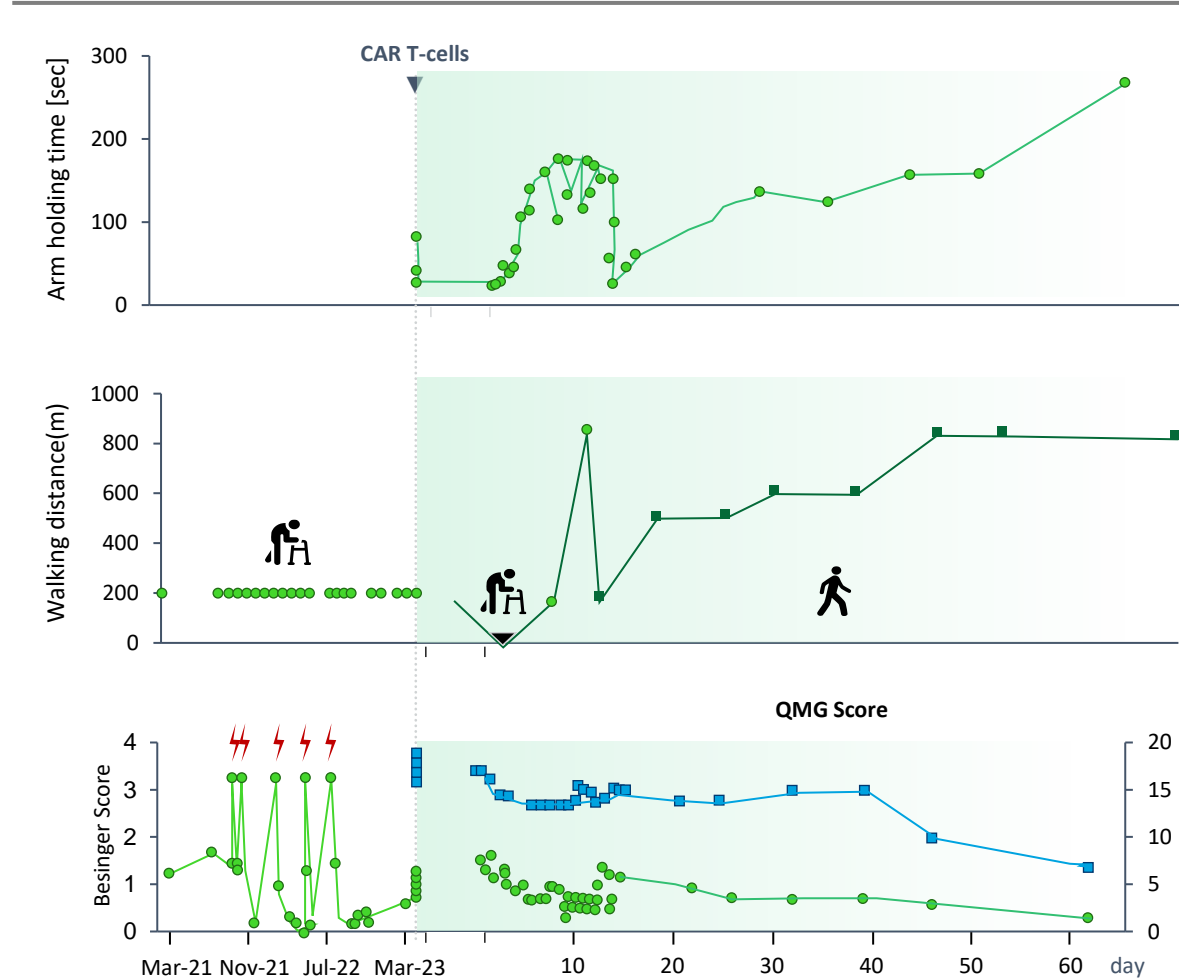
# Published Case Reports – Lancet Neurology

## Within 60 Days Of Infusion, Observed Improved Symptoms and Mobility in Myasthenia Gravis

Observed dramatic reduction in AChR-ab serum levels, while maintaining antibody titers



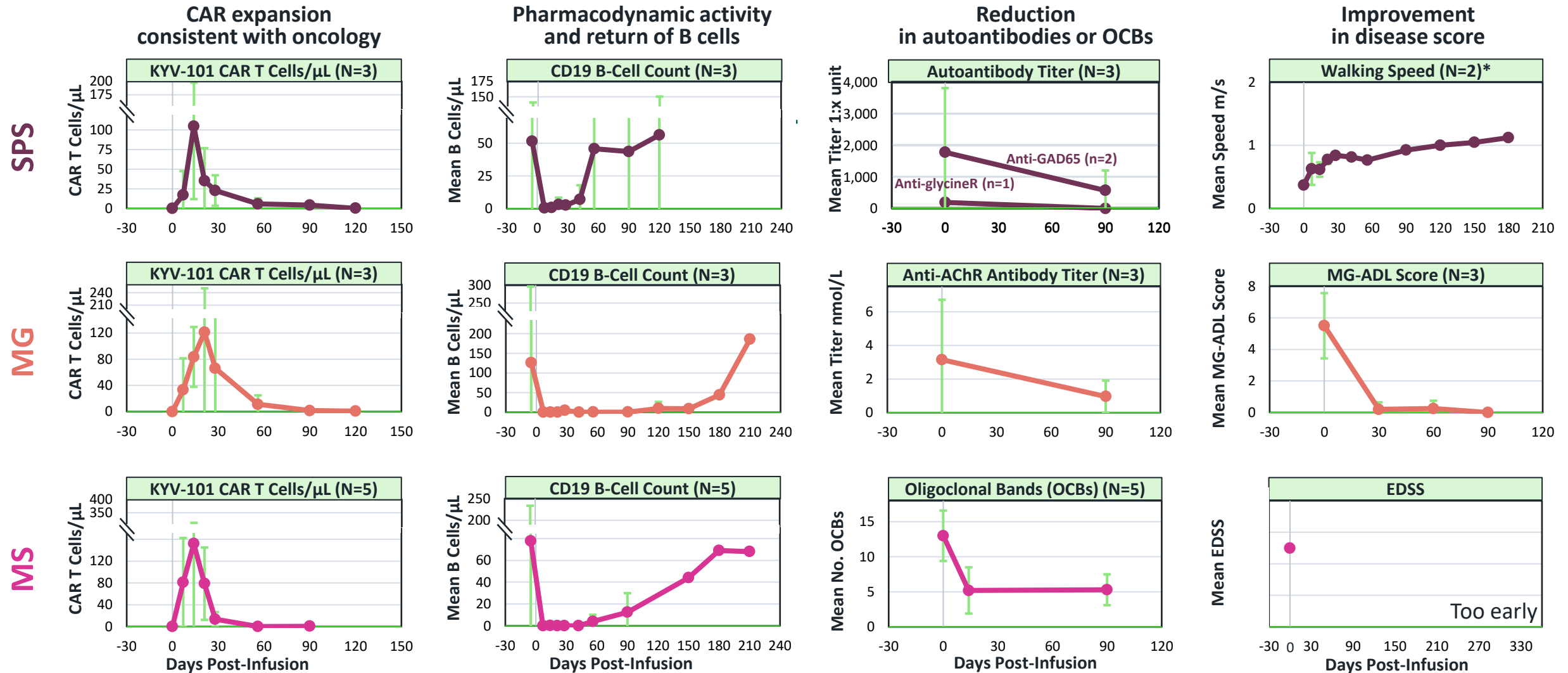
After 5 ICU admissions in 18 months, improvement in QMG score and mobility observed



Haghikia A, et al. Anti-CD19 CAR T cells for refractory myasthenia gravis. The Lancet: Neurology 2023. 22(12):1104-1105

# Presented Case Reports – Company Symposium at ECTRIMS 2024

## Promising PK, Biomarker and Efficacy Data for KYV-101 in Neuroinflammatory Diseases



Note: named patient data; \* Data on walking speed only available for 2 of 3 patients with SPS.

ADL, activities of daily living; CAR, chimeric antigen receptor; MG, myasthenia gravis; MS, multiple sclerosis; OCB, oligoclonal band; SPS, stiff-person syndrome.

# KYV-101 in Rheumatologic Diseases





# Leading the Way to Life Changing Impacts for Patients

## Before KYV-101

- Severe Disease
- Rash
- SLEDAI score 27

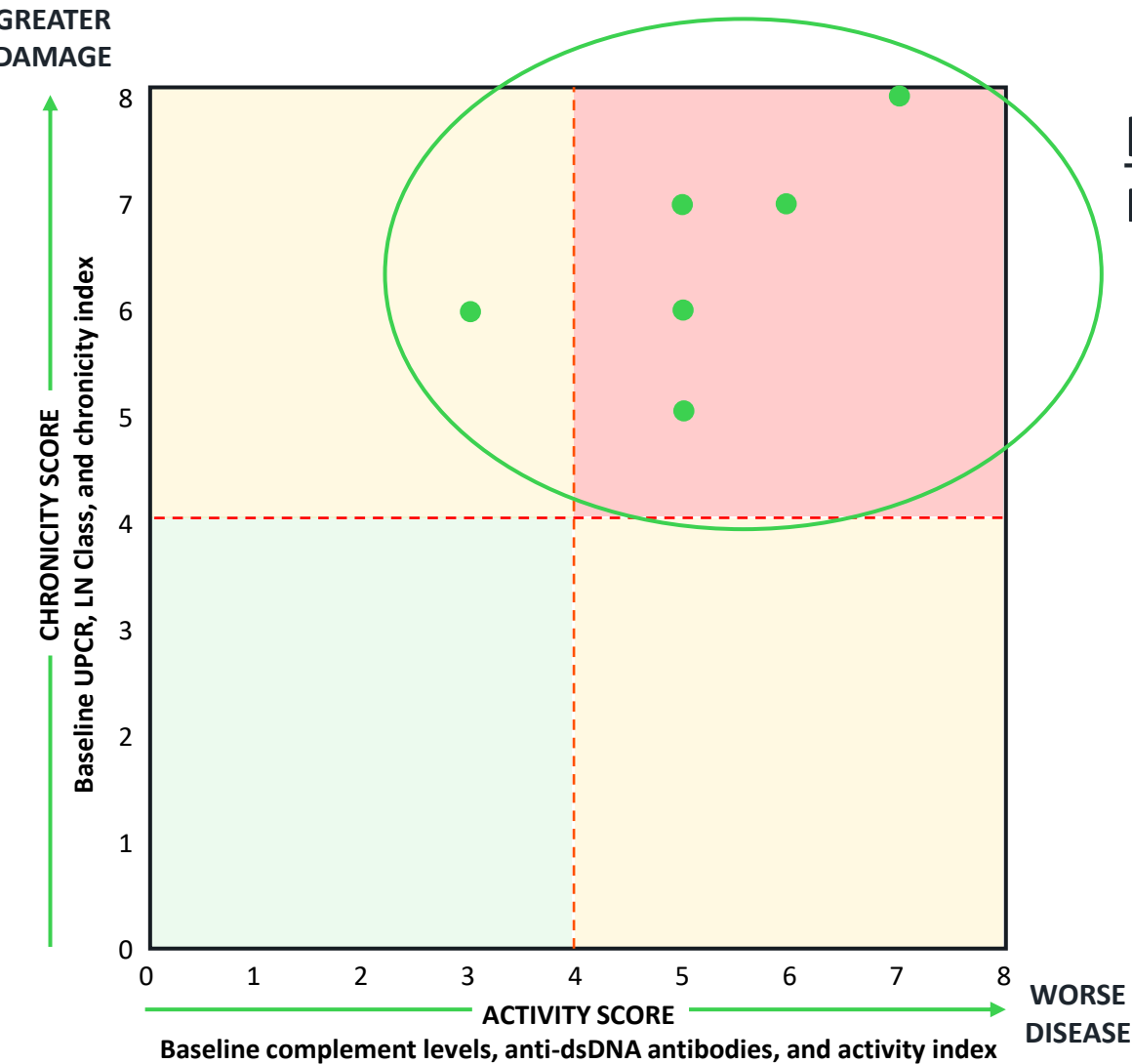


## After KYV-101

- Disease Free
- No immunosuppressants
- No glucocorticoids



# KYV-101 Refractory LN Patients Have High Disease Activity and Kidney Damage



## KYV-101 100M Target Dose

### Patient Baseline Characteristics

- + Refractory LN patients experience uncontrolled inflammation and accumulated kidney damage
- + KYV-101 patients have particularly high baseline disease activity and kidney damage
  - + Activity: Low complement, high levels of anti-dsDNA antibodies, and high activity indices by biopsy
  - + Chronicity: High levels of proteinuria, Class II-V histology, and high chronicity indices by biopsy

Patients from Kyverna-sponsored clinical trials, investigator-reported named patient, and investigator-initiated trial experience as of October 31, 2024. These observations are derived from separate clinical settings, including information from case reports. Future clinical trials may not confirm the clinical safety observations discussed in these case reports and studies.

LN, lupus nephritis; UPCr, urine protein creatinine ratio.

# KYV-101: Treatment of Heavily Pretreated LN Patients

Demographic summary of patients receiving  $1 \times 10^8$  CAR T-cells

Patient Characteristic		N=6
Age (Range)	29 – 55 years	
Sex (Female : Male)	4:2	
Prior Lines Of Therapy	3 – 7	
SLEDAI-2K	8 – 27	
Histologic Class of Nephritis (WHO)	II – V	
UPCR (Range)	1.4 – 8.0	

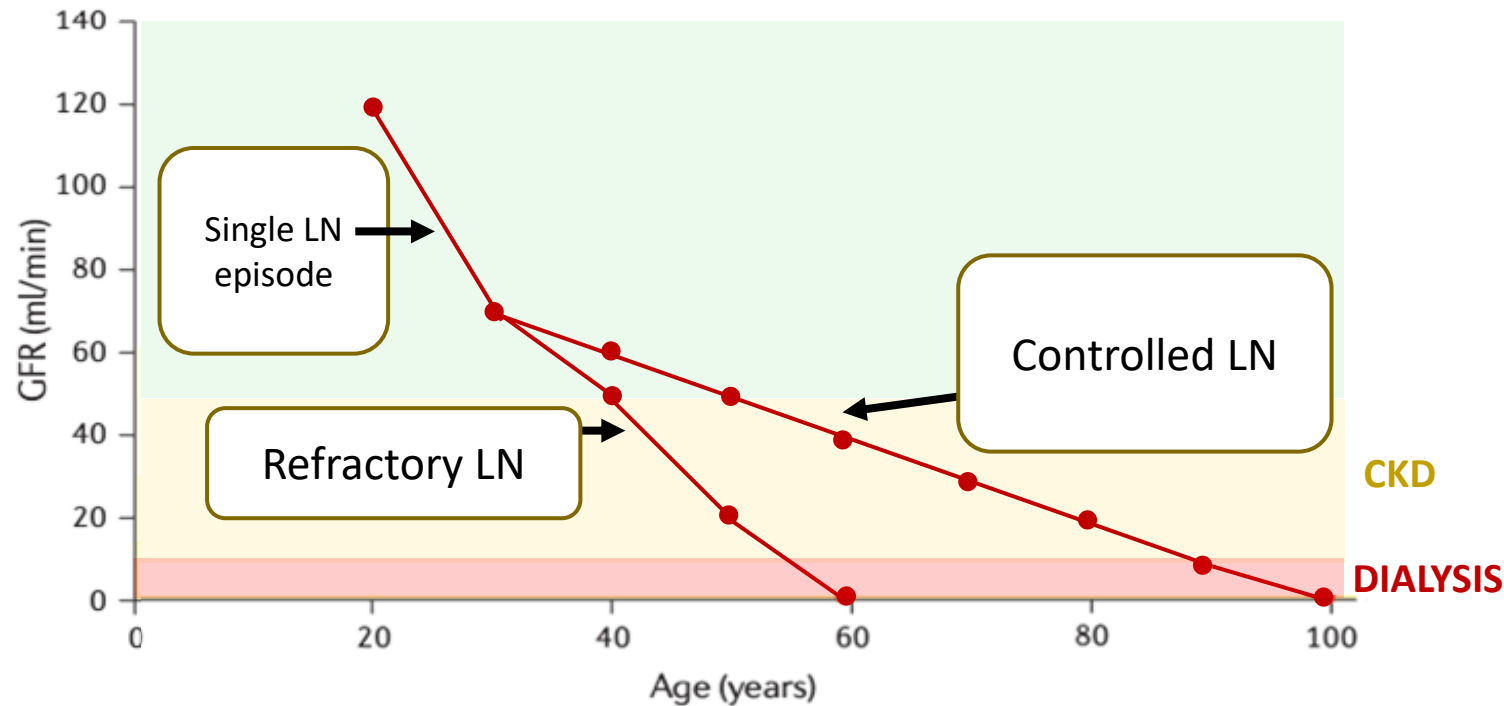
4 of 6 patients with  $\geq 6$  months follow up included in efficacy analysis

2 of 6 patients with  $< 2$  months follow up not in efficacy analysis (too short follow-up to assess efficacy)

Patients from Kyverna-sponsored clinical trials, investigator-reported named patient, and investigator-initiated trial experience as of October 31, 2024. These observations are derived from separate clinical settings, including information from case reports. Future clinical trials may not confirm the clinical safety observations discussed in these case reports and studies.  
LN, lupus nephritis; UPCR, urine protein-creatinine ratio.

# Steep Loss of Kidney Function in Refractory Lupus Nephritis

Loss of Kidney Function in LN Over Time<sup>1</sup>



- + Despite therapy, patients progress with eGFR decline and loss of Kidney Function
- + Single episodes can impact the slope of decline significantly
- + Risk of Dialysis, Kidney Transplantation and Death increase, as eGFR declines

***30% with progressive eGFR loss despite treatment<sup>2</sup>***

# KYV-101: Potential to Redefine Success in Lupus Nephritis

## 1. Preservation of Kidney Function



- Stabilization of eGFR
- Decreasing Proteinuria
- Avoiding Dialysis

## 2. Improvement in SLE



- Decrease in SLEDAI
- Decrease in anti-dsDNA
- Normalization of complement

## 3. Reduction or Elimination of Therapy

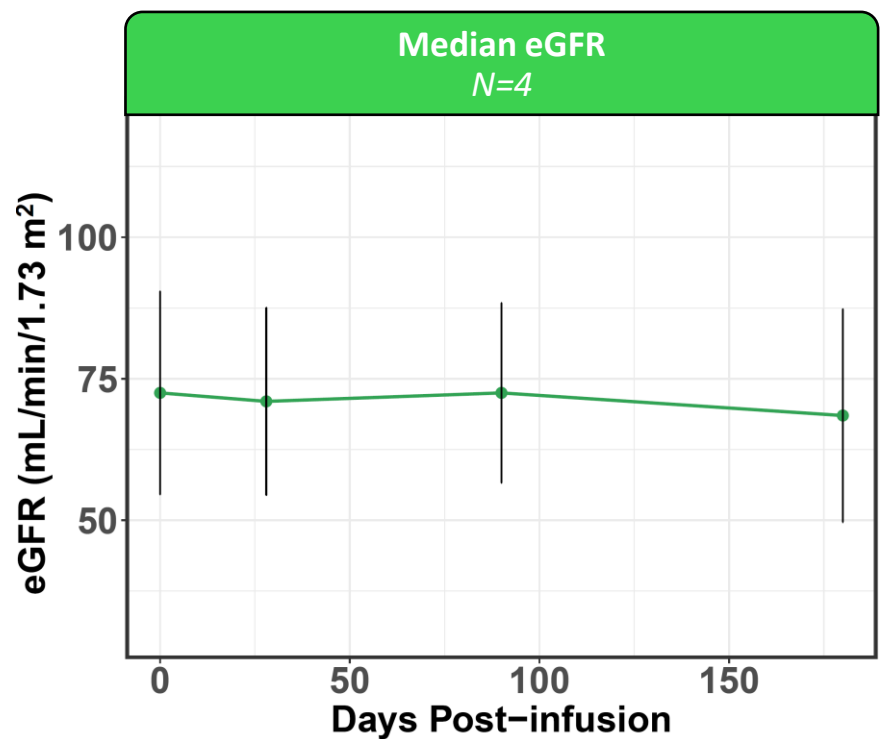


- No immunosuppressants
- No or physiological glucocorticoids

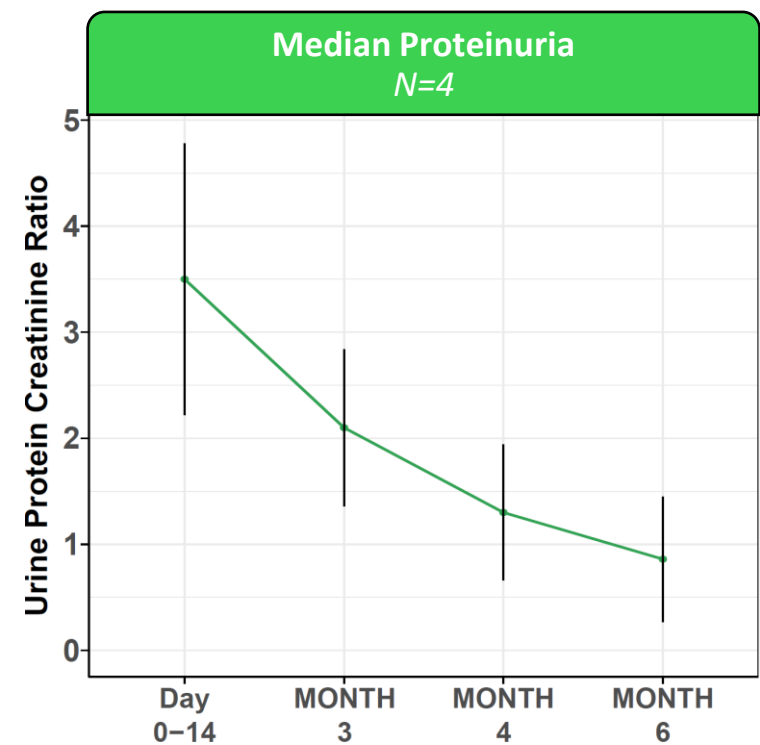
***After a single infusion of KYV-101 ( $1 \times 10^8$  CAR T cells), none of the patients require active treatment for LN***

# Pillar 1: KYV-101 Potential for Preservation of Kidney Function

## Stable and Durable Kidney Function



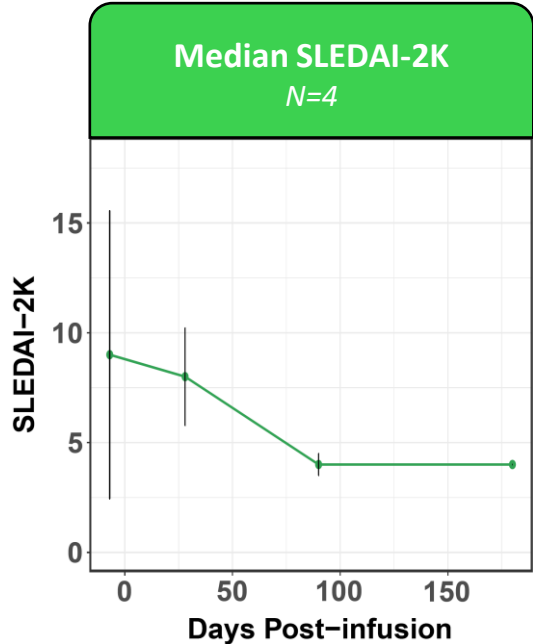
## Clinically Meaningful Decline in Proteinuria



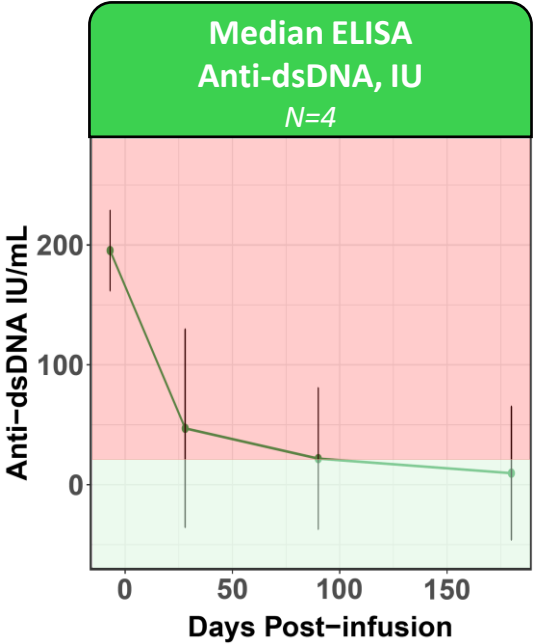
Patients from Kyverna-sponsored clinical trials, investigator-reported named patient, and investigator-initiated trial experience as of October 31, 2024. These observations are derived from separate clinical settings, including information from case reports. Future clinical trials may not confirm the clinical safety observations discussed in these case reports and studies.

# Pillar 2: KYV-101 Potential for Improvement of SLE

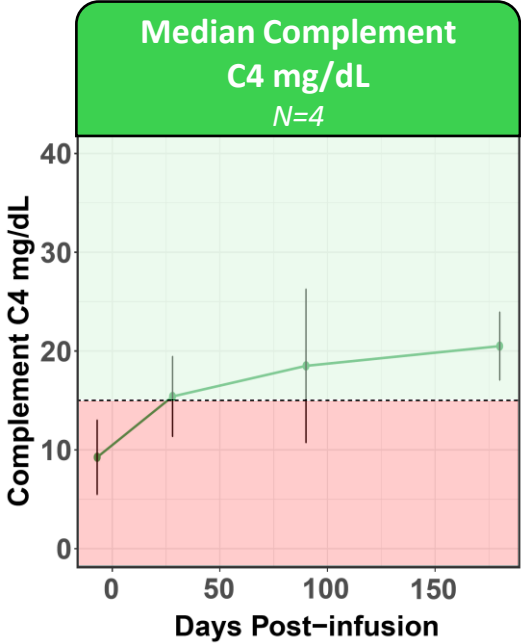
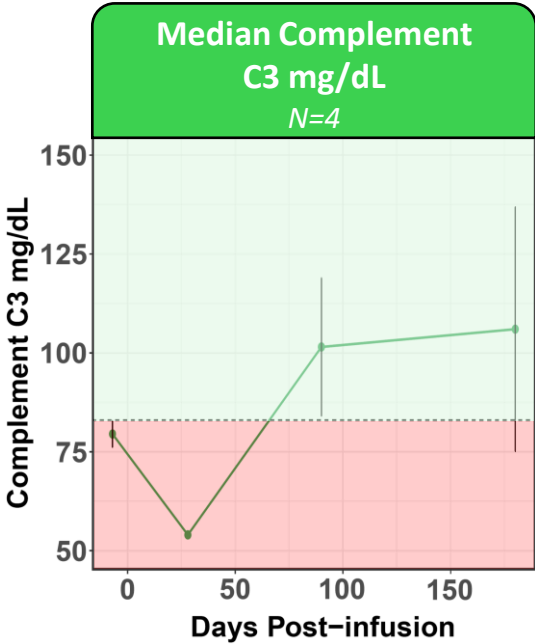
## Reduction in SLEDAI Score



## Reduction in Autoantibodies



## Normalization of Complement

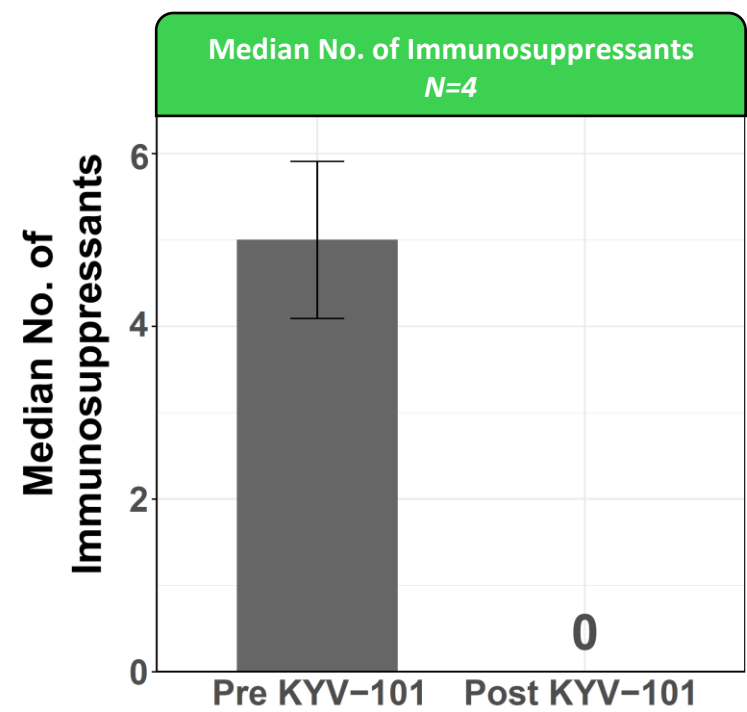


Patients from Kyverna-sponsored clinical trials, investigator-reported named patient, and investigator-initiated trial experience as of October 31, 2024. These observations are derived from separate clinical settings, including information from case reports. Future clinical trials may not confirm the clinical safety observations discussed in these case reports and studies.

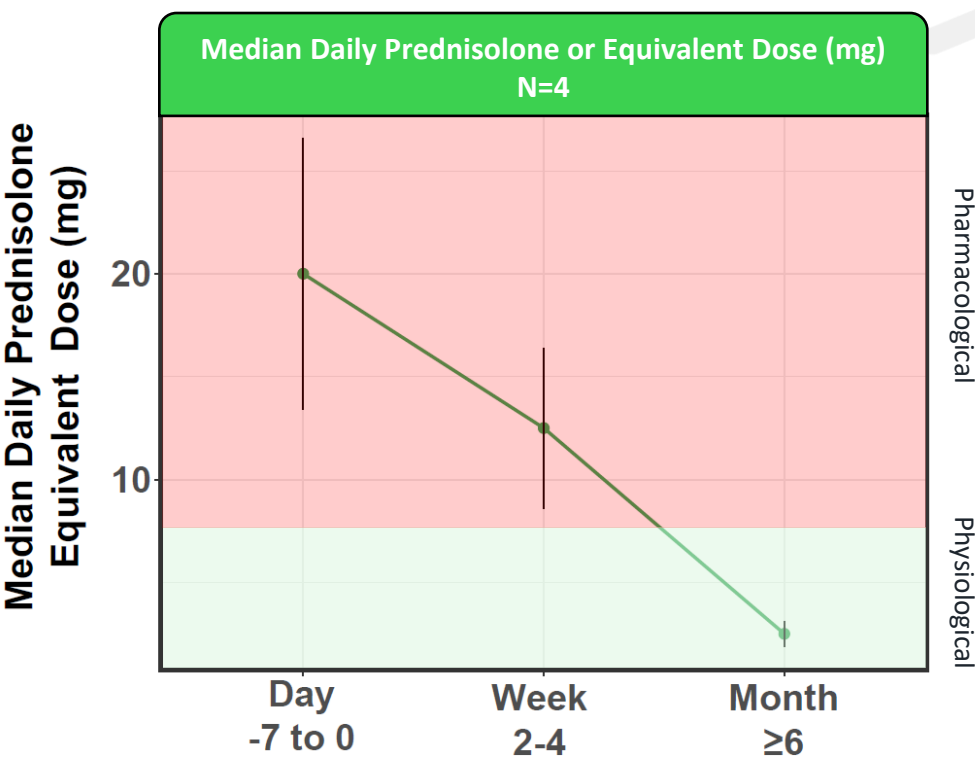


# Pillar 3: KYV-101 Potential to Eliminate Immunosuppressants

## Eliminating Immunosuppressants



## Reducing Glucocorticoids to Physiological Levels



Patients from Kyverna-sponsored clinical trials, investigator-reported named patient, and investigator-initiated trial experience as of October 31, 2024. These observations are derived from separate clinical settings, including information from case reports. Future clinical trials may not confirm the clinical safety observations discussed in these case reports and studies.

# KYV-101: Potential for Immune System Reset in Lupus Nephritis

## UNMET NEED

LN is a severe condition with **high risk to develop kidney failure**

## PROMISE OF KYV-101

**KYV-101 achieves potential for significant progress in the treatment of LN via:**

- Preserving kidney function
- Improving SLE activity
- Eliminating immunosuppression
- Predictable and robust safety profile

## NEXT STEPS

KYSA-1 and KYSA-3 continuing to enroll and treat patients in order to bring a **new, transformative treatment option** to patients with LN

# KYV-101

## Combined Experience



# KYV-101: Potential for Predictable, Well Tolerated, and Robust Safety Profile in First 50 Patients Across Different Autoimmune Diseases

KYV-101 All 15+ AID indications

RHEUMATOLOGY

- Rheumatoid arthritis
- Systemic sclerosis
- Lupus nephritis
- ANCA-associated vasculitis
- Anti-Synthetase Syndrome
- And others

NEUROLOGY

- Stiff-person syndrome
- Myasthenia gravis
- Multiple sclerosis
- NMOSD
- CIDP
- And others

Indication Category	CRS	ICANS
	Grade 3/4	Grade 2–4
Neuroimmunology	0	0
Rheumatology	0	0
Other Autoimmune	0	0

No grade 3/4 CRS and no grade 2-4 ICANS observed across 50+ patients dosed

*Observed CRS and ICANS events were transient, low-grade, and manageable*

Patients from Kyverna-sponsored clinical trials, investigator-reported named patient, and investigator-initiated trial experience as of October 31, 2024. These observations are derived from separate clinical settings, including information from case reports. Future clinical trials may not confirm the clinical safety observations discussed in these case reports and studies.

# KYV-101 Published Case Reports Lead the Clinical and Scientific Advancement of the Field


THE LANCET  
Neurology

Myasthenia Gravis

CORRESPONDENCE | VOLUME 22, ISSUE 12, P1104-1105, DECEMBER 2023

Download Full Issue

Anti-CD19 CAR T cells for refractory myasthenia gravis

Aiden Haghikia  • Tobias Hegelmaier • Denise Wolleschak • Martin Böttcher • Christiane Desel • Dominic Borie • Jeremias Motte • Georg Schett • Roland Schroers • Ralf Gold • Dimitrios Mougialakos • Show less

Med

CellPress  
OPEN ACCESS

Case Report

CD19-targeted chimeric antigen receptor T cell therapy in two patients with multiple sclerosis








Felix Fischbach,<sup>1,6</sup> Johanna Richter,<sup>2,6</sup> Lena Kristina Pfeffer,<sup>1,6</sup> Boris Fehse,<sup>2</sup> Susanna Carolina Berger,<sup>2</sup> Stefanie Reinhardt,<sup>1</sup> Jens Kuhle,<sup>3</sup> Anita Badbaran,<sup>2</sup> Kristin Rathje,<sup>2</sup> Nico Gagelmann,<sup>2</sup> Dominic Borie,<sup>4</sup> Johan Seibel,<sup>5</sup> Francis Ayuk,<sup>2</sup> Manuel A. Friese,<sup>1,\*</sup> Christoph Heesen,<sup>1,\*</sup> and Nicolaus Kröger<sup>2,7,\*</sup>

PNAS

BRIEF REPORT | IMMUNOLOGY AND INFLAMMATION

OPEN ACCESS

Successful use of anti-CD19 CAR T cells in severe treatment-refractory stiff-person syndrome

Simon Faissner<sup>A1,2</sup> , Jeremias Motte<sup>A1</sup> , Melissa Sgodzai<sup>A1</sup>, Christian Geis<sup>2</sup> , Aiden Haghikia<sup>2</sup> , Dimitrios Mougialakos<sup>2</sup>, Dominic Borie<sup>2</sup> , Roland Schroers<sup>2</sup> , and Ralf Gold<sup>A2</sup> 

Neuron

Myasthenia Gravis & LEMS

Treatment of concomitant myasthenia gravis and Lambert-Eaton myasthenic syndrome with autologous CD19-targeted CAR T cells

Highlights

- Anti-CD19 CAR T cell therapy led to clinical recovery in two cases of MG and LEMS
- Patients regained full mobility, with ongoing recovery 4- and 6-months post infusion
- Deep B cell depletion and normalization of pathogenic autoantibodies was observed
- Application of anti-CD19 CAR T cells was safe, with manageable side effects

Authors

Jeremias Motte, Melissa Sgodzai, Christiane Schneider-Gold, ..., Dimitrios Mougialakos, Roland Schroers, Ralf Gold




Correspondence

roland.schroers@rub.de (R.S.), ralf.gold@rub.de (R.G.)

Annals of the Rheumatic Diseases

Letter

Clinical efficacy and autoantibody seroconversion with CD19-CAR T cell therapy in a patient with rheumatoid arthritis and coexisting myasthenia gravis





Aiden Haghikia<sup>1</sup>, Tobias Hegelmaier<sup>1</sup>, Denise Wolleschak<sup>2</sup>, Martin Böttcher<sup>2, 3</sup>, Vaia Pappa<sup>1</sup>, Jeremias Motte<sup>4</sup>, Dominic Borie<sup>5</sup>, Ralf Gold<sup>4</sup>,  Eugen Feist<sup>6</sup>,  Georg Schett<sup>7, 8</sup>,  Dimitrios Mougialakos<sup>2, 3</sup>

Correspondence to Professor Dimitrios Mougialakos, Department of Hematology, Oncology, and Cell Therapy, Otto-von-Guericke-University Magdeburg, Magdeburg, Germany; [dimitrios.mougialakos@med.ovgu.de](mailto:dimitrios.mougialakos@med.ovgu.de); Professor Aiden Haghikia, Department of Neurology, Otto-von-Guericke-University Magdeburg, Magdeburg, Germany; [aiden.haghikia@med.ovgu.de](mailto:aiden.haghikia@med.ovgu.de)

CAR T in Autoimmunity Review Article

nature reviews immunology

Chimeric antigen receptor T cell therapy for autoimmune disease

James B. Chung<sup>1</sup> , Jennifer N. Brudno<sup>2</sup> , Dominic Borie<sup>1</sup>  & James N. Kochenderfer<sup>2</sup> 

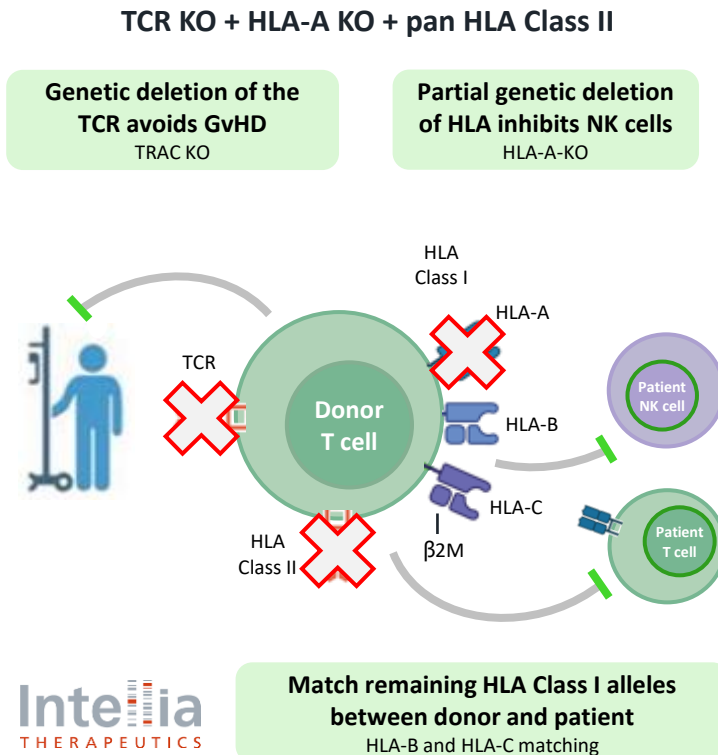
LEMS, Lambert-Eaton myasthenic syndrome.

# KYV-201 and Ingenui-T



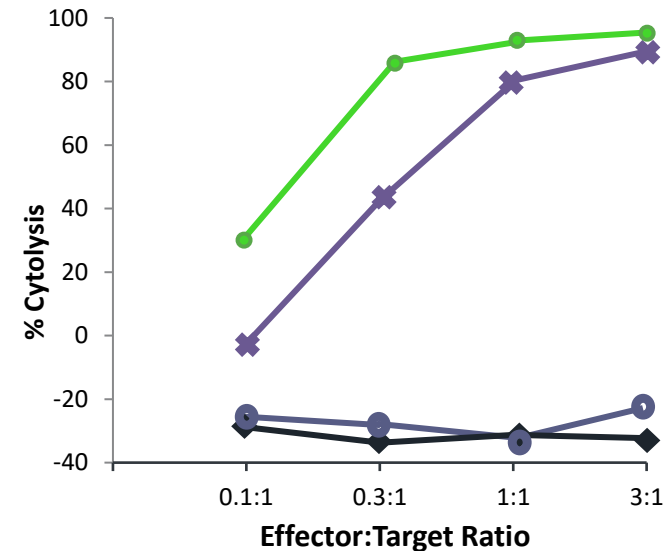
# Allogeneic KYV-201 Protection from T Cells Supports Potential for Longer-term Persistence

## Differentiated allogeneic platform based 3 genetic deletions

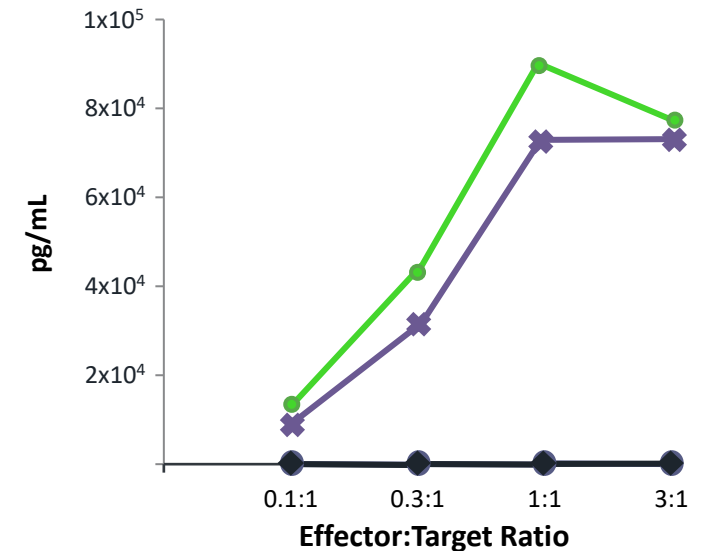


## KYV-201 demonstrates robust CAR-mediated activity against CD19<sup>+</sup> cells Similar to HLA Class I deficient b2M KO<sup>1</sup>

### Dose-Dependent Cytotoxicity



### Dose-Dependent IFN $\gamma$ Secretion



24h incubation with NALMS target cells  
Representative of 3 donors  
WT = Mock (unedited), untransduced  
KO only = HLA-A / CIITA / TRAC KO  
CAR only = CAR LV  
KYV-201 = HLA-A / CIITA / TRAC KO + CAR LV

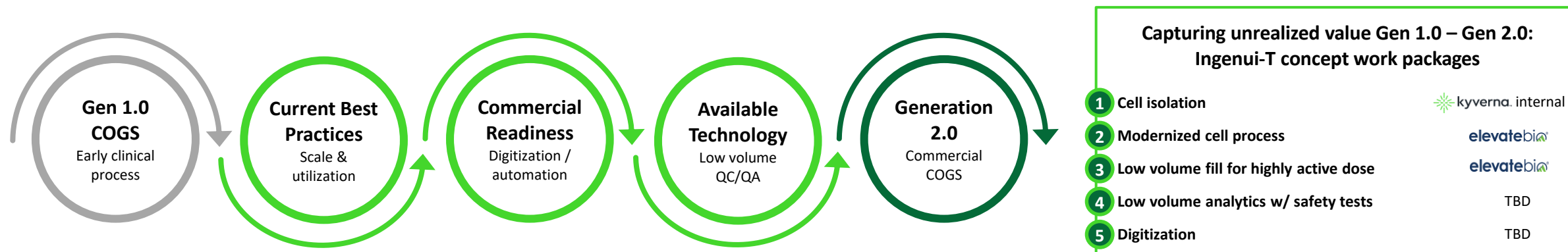
◆ WT  
◆ CAR only  
◆ KO only  
◆ KYV-201

Note: Internal data. β2M, beta2-microglobulin; HLA, human leukocyte antigen; IFN $\gamma$ , interferon gamma; KO, knockout, LV, lenti vector; NK, natural killer, TRAC, T-cell receptor  $\alpha$  constant; WT, wild type.



# Kyverna's Ingenui-T Process Leverages Industry Leaders to Target Pharma-like COGS

## Evolution of the Autologous Process: KYV-101 Gen 1.0 to Ingenui-T



Key Component	Kyverna's Approach	COGS	Supply Chain	Speed
Manufacturing and supply chain partnerships	<ul style="list-style-type: none"> <li>+ElevateBio's BaseCamp for process development and cell product manufacturing</li> <li>+Oxford Biomedica supply agreement, enabling use of LentiVector</li> </ul>	✓	✓	
Pharma-like COGS	<ul style="list-style-type: none"> <li>+Foundation of <b>industry-best practices</b></li> <li>+ElevateBio and other processes to <b>streamline COGS</b></li> </ul>	✓	✓	✓

# Corporate



# Strong Financial Position Provides Runway to Multiple Potential Value Inflection Catalysts

Successful IPO in February 2024 – secures Kyverna's leadership position in autoimmunity

**~\$24.6M**

Q3 Operating Cash Burn  
*(3 months ended Sep 30, 2024)*

**~\$321.6M**

Cash, cash equivalents  
and marketable securities  
*(as of Sep 30, 2024)*

**~43M**

Shares Outstanding  
*(as of Oct 31, 2024)*

# Proven Leadership Team with Significant CAR T and Autoimmune Experience

## Leadership Team



**Warner Biddle**

Chief Executive Officer



**Karen Walker**

Chief Technology Officer



**Dominic Borie, MD, PhD**

President, Research and Development



**Ryan Jones, MBA**

Chief Financial Officer



**Dan Maziasz**

Chief Business Officer



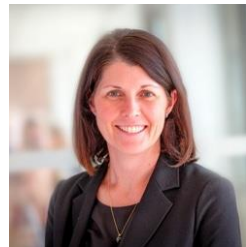
**Cara Bauer**

Chief Human Resources Officer



**Tom Van Blarcom, PhD**

Senior Vice President and Head of Research



**Tracy Rossin**

Senior Vice President, Corporate Affairs, Communications and Investor Relations



**Sunetra Biswas, PhD**

Vice President, Program Lead



**Benjamin Dewees, RAC**

Vice President of Global Regulatory Affairs

## Board of Directors

**Beth Seidenberg, MD**

Founding Managing Director, Westlake Village BioPartners  
General Partner, Kleiner Perkins

**Fred Cohen, MD**

Co-Founder and Sr. Managing Director at Vida Ventures

**Steve Liapis, PhD**

Director, Northpond Ventures

**Christi Shaw**

Independent Director

**Dan Spiegelman**

Independent Director

**Mert Aktar**

Independent Director

**Ian Clark**

Chairperson and Director

**Warner Biddle**

Chief Executive Officer

# Kyverna's Near-term Events in the Coming Quarters

Key Meeting	✓ ECTRIMS Copenhagen	✓ ACR Washington DC	JPMorgan Conference San Francisco
Date	September 2024	November 2024	January 2025
What to Expect	Discussion of neurological case reports	Continuation of rheumatological dataset	Long-term plan and upcoming catalysts in rheum & neuro
	Symposium at 5:15pm CET Wednesday Sep 18, 2024	Symposium at 5:45pm EST Monday Nov 18, 2024	

ACR, American College of Rheumatology; ECTRIMS, European Committee for Treatment and Research in Multiple Sclerosis.

