LEVICURE

REVERSE THE IRREVERSIBLE

Proprietary Oral Fixed dose combination for Type 1 Diabetes Mellitus (T1D)

Series A

Email: daniil@levicure.com



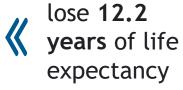


Type 1 diabetes is a life-threatening chronic disease and huge burden to T1D patients and their families

>4 hours needed daily for diabetes self-care



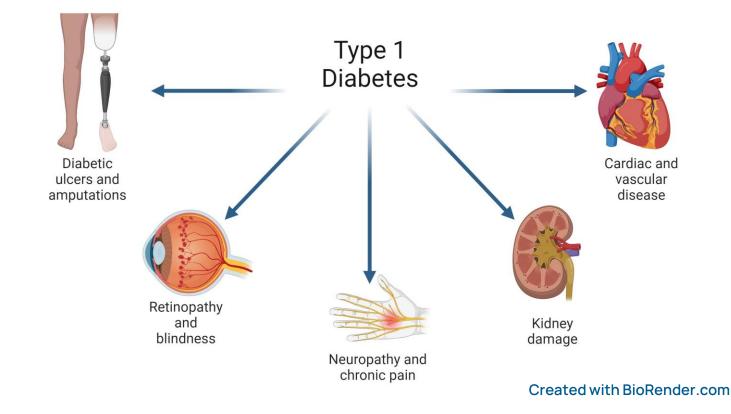




3 times more likely to be hospitalized



Complications of Type 1 Diabetes

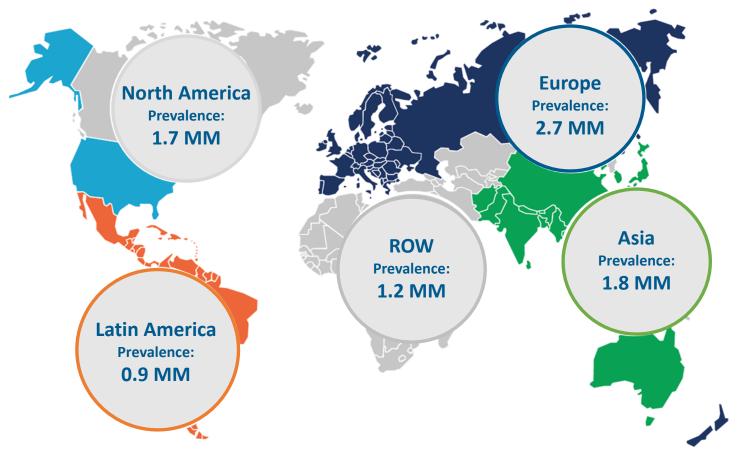






T1D affects over 8.4M people globally with a tremendous economic burden of \$110 billion/annum

Tremendous economic burden with growth rates exceeding population growth



Worldwide economic burden of type 1 diabetes is \$110 B

0.5% of the US population diagnosed T1D

6% market CAGR 2021-2025

Significant growth in number of patients in the USA in 4 years:

- 2017 1.25 million Americans
- 2021 1.4 million Americans

Diagnoses occurred most frequently between the ages of 5 and 14:

- Ages 10-14: 33.5%
- Ages 5-9: 27%

Sources: Lancet, Baker Heart and Diabetes Institute, CDC, Technavio





100 years since the discovery of insulin and patients are still waiting for a safe and scalable treatment for Type 1 diabetes

Insulin is not a cure, it is disease management!

Currently NO safe and scalable treatment available for diagnosed T1D patients

Insulin therapy: Advancement and devices

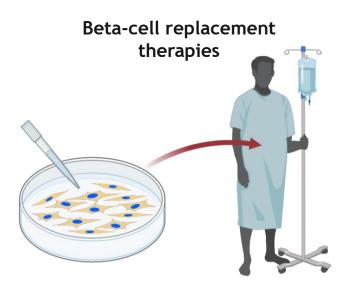


- Disease management
- Not a cure
- Gradual pancreatic deterioration

Immune therapies



- Once-in-life treatment
- Substantial adverse events
- Only delay of the onset

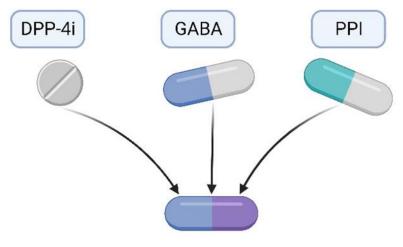


- Invasive treatment
- High risk
- Non-scalable

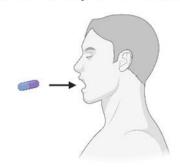




With a single oral tablet Levicure allows T1D patients to facilitate remission, avoid T1D complications and significantly improve their quality of life!



Fixed dose combination to be taken **orally ONCE a day**



Created with BioRender.com

Fixed Dose Combination (FDC) for patient convenience:

3-in-1 SINGLE ORAL DOSAGE FORM

- Ensure therapeutic safety and correct dosage
- Optimize convenience, compliance and adherence for each patient
- Encourage physicians to prescribe safe and effective treatment

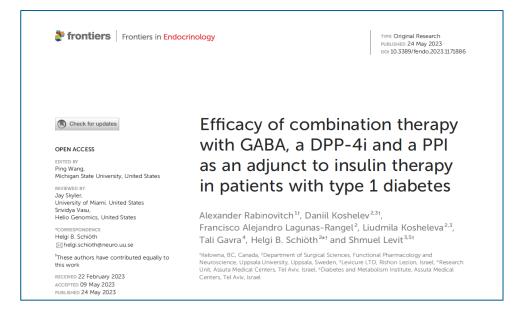
We help T1D patients regain their normal quality of life!





Levicure published articles to prove the efficacy of combination treatment in NOD mice and diagnosed T1D patients





Triple combination promotes **full remission in 70%** of recent diagnosed patients and significantly increases **C-peptide by 145%**





Triple combination is significantly superior to all double-combinations

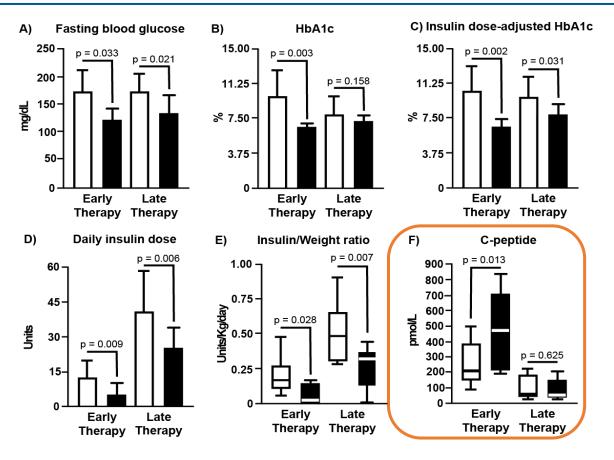
In collaboration with Uppsala University and Assuta Medical Centers





Triple Therapy proof-of-concept in patients showed <u>significant</u> reduction in insulin demands, HbA1c levels and increase of fasting C-peptide resulting in 70% of patients in recent onset group becoming insulin

Outcomes of adjunct combination drug therapy with GABA, a DPP-4i and a PPI in patients with type 1 diabetes after 32 weeks



Share of patients in full remission in recent onset group (%)

Full remission (insulin free)

Still on insulin

Recent onset T1D group (10 patients)

- Reduced FBG by 25%
- Reduced HbA1C by 38%

70%

- Reduced insulin demands by 69%
- Increased C-peptide by 145%

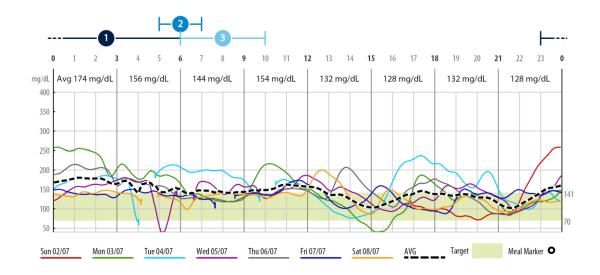
Advanced T1D group (9 patients)

- Reduced FBG by 19%
- Reduced insulin demands by 38%



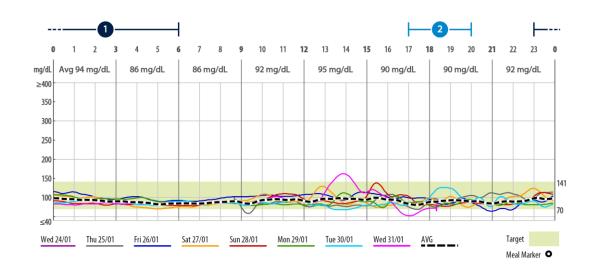
Example of successful patient results after 29 weeks of treatment

Before therapy



Insulin = 12 units HbA1c = 8.5% Fasting BG = 130 (mg/dl)

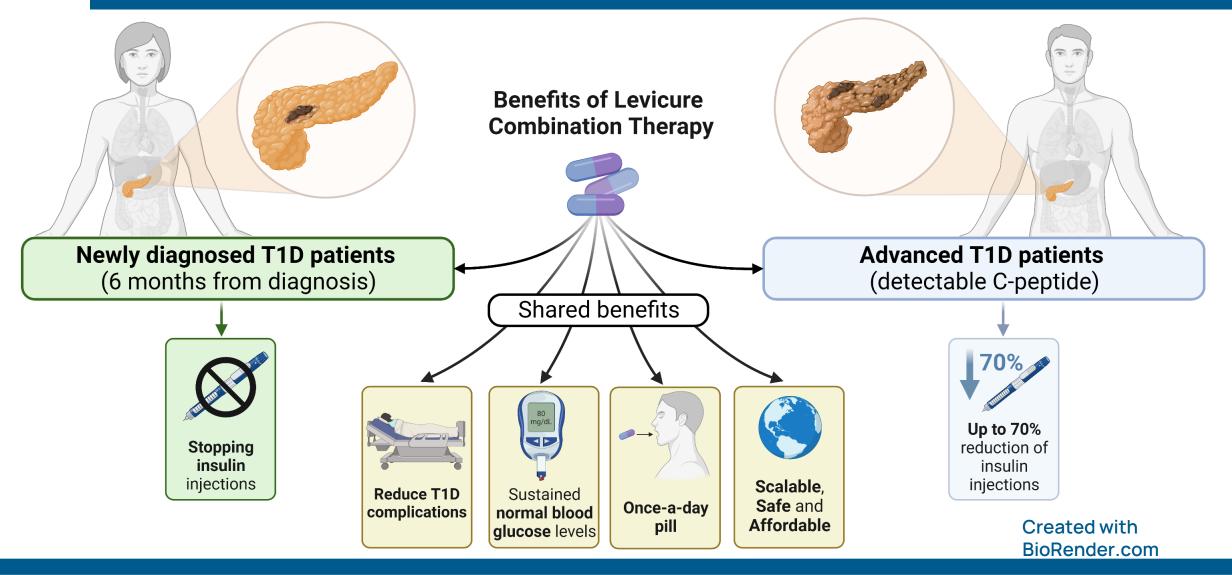
After 29 weeks of TT



Insulin = 0 units HbA1c =5.2% Fasting BG =100 (mg/dl)



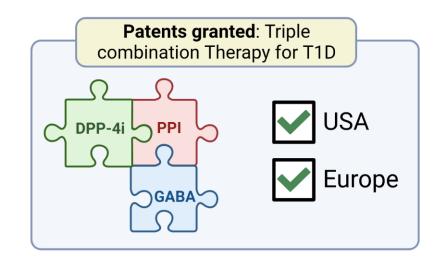
Levicure combination therapy has multiple benefits for newly diagnosed and established T1D patients

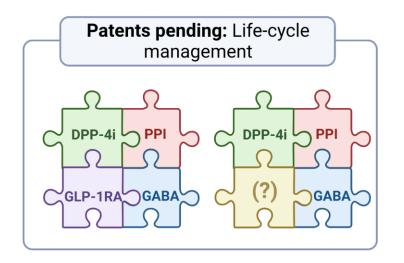






We secured triple combination patents in the USA and Europe and have eligibility for extensive additional IP protection exclusivities available.



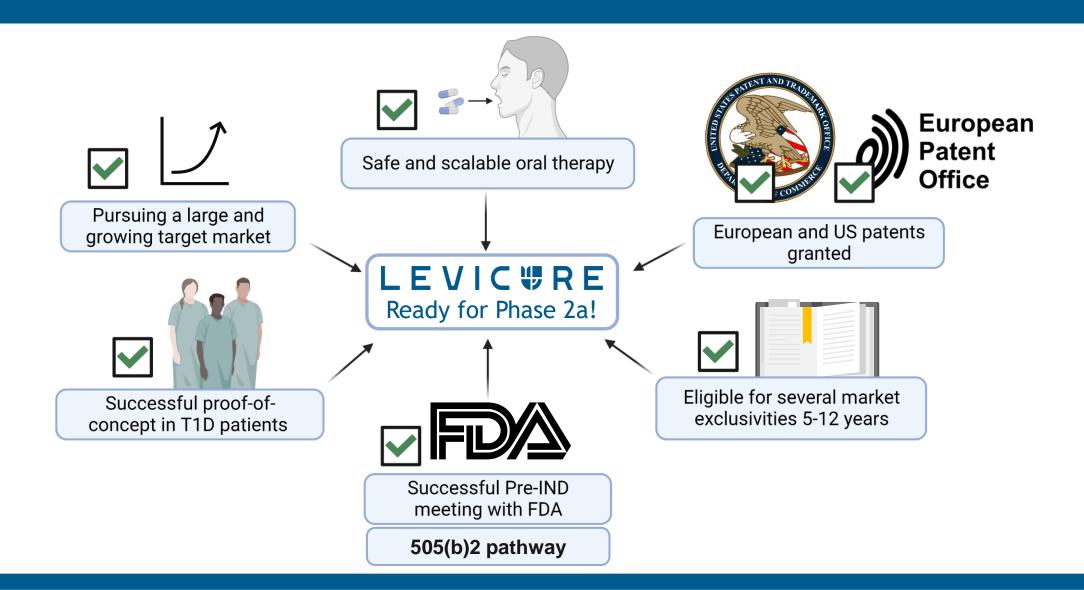


Strong additional protection with mandatory exclusivities

USA			Europe
5 years	New Chemical Entity/Data exclusivity		10 (+1) years
7 years	Orphan Drug Exclusivity		10 (+2) years
+ 6 months	Pediatric Exclusivity		+ 6 months
	_	_	



LEVICURE - a company ready to bring a breakthrough therapy to T1D community.





LEVICURE has an experienced team to bring our new, safe and scalable therapy to T1D patients worldwide

MANAGEMENT TEAM



SHMUEL LEVIT Founder & CMO, MD, PhD

- Over 35 years clinical practice
- Head of Endocrinology, Diabetes & Metabolism Institute, Assuta Medical Centers



MIKE TEILER

Chief Pharmaceutical Officer

- Former VP Generic R&D, Teva
- Former Group VP, Taro
- Former VP Project Management Sun Pharma
- 35 years pharma experience



DANIIL KOSHELEV
CEO & co-Founder

- · Former CEO in biotech start-up
- 12 years executive and business development



YAFIT STARK

Head of Clinical Development, PhD

- Former VP Head of Global Clinical Development, Teva
- Former CCO of Innovative R&D, Teva
- 34 years Teva clinical development experience



VALENTINE SUKHOVEEVA

CFO & Investor Relations

- Former investment director at private equity fund
- 10+ years of project management roles



LUCY KOSHELEVA

General Counsel & co-Founder

- Former VP Investor relationship and legal (12-year experience)
- Uppsala researcher



OLGA KARPINCHYK
Accounts & Operations

- · Executive at private medical center
- Accounts and operational

ADVISORY PANEL



AMOS ANATOT

Strategic and Executive Advisor,

Former CEO/COO in Global Food and Pharma

- Former VP, Teva Europe
- Former Executive VP, Frutarom
- 30 years top executive experience



ALEX RABINOVITCH

Scientific Advisor, MD, PhD

- Former Prof. of Medicine and Director of the Diabetes Research at the University of Alberta
- Honored with the Excellence in Clinical Research Award from JDRF, 140+ scientific articles



ALEXANDER FLEMING

Scientific/Regulatory Advisor, MD, PhD

- Founder of Kinexum, a multi-faceted, strategic advisory firm, who led landmark FDA approvals of the first statin, insulin analog, metformin and other novel therapies
- Represented FDA at ICH, WHO, and other initiatives



NAUM TORBAN

Clinical Advisor, MD (Endocrinologist)

- 15 years experience as investigator clinical trials Eli Lilly, Novartis, BMS and others
- Over 45 years clinical practice





We aim to raise \$25 million is Series A fundraising round

2020	2022 Q3	2024	202	7 2030) *
Seed money	Pre-Se	eries A	Series A	Series B or Exit	Series C or Exit
 ✓ Completed mice studies ✓ Completed proof-concept human tr ✓ Regulatory strates prepared based of FDA 505(b)(2) pathway ✓ Patents granted a pending 	rials from FDA gy ✓ Develop bu n ✓ Obtain Euro for T1D tre ✓ Published 2 peer-review (NOD, Hum	st D feedback - Fi desiness plan - Designer patents - Presented in wed journals - Market - Ma	hase 2 clinical human tudy inal formulation evelopment ose-range animal trials roof-of-concept mice tudy for autoimmune ndications eximizing grant financing or further trials	 Phase 2b/3 pivotal human clinical trial Inviting strategic investor/biotech fund to finalize the trials and registration EMA and FDA approval and registration 	 Start of sales in T1D market Other indications
ROUND SIZE:	(MoA)	in preparación	~ \$25,000,000	~\$60,000,000	TBD

*Potential for Breakthrough designation will bring us to the market 1 year sooner Provention Bio (Teplizumab) sale to Sanofi - \$2.9 billion

Thanks for you attention! Questions?

LEVICURE

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Glossary

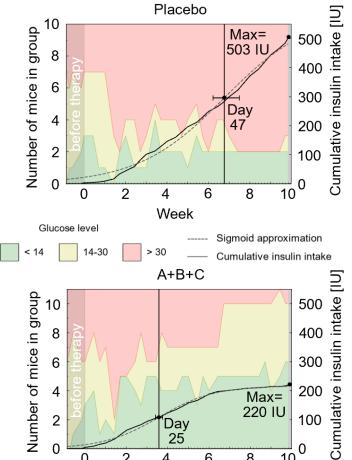
Term	Definition
Type 1 diabetes mellitus (T1D)	An <u>autoimmune disease</u> that originates when insulin producing β -cells of the pancreatic islets are destroyed by the <u>immune system</u> , resulting in the inability of body tissues to absorb glucose from the blood to use as energy.
Insulin T1D therapy	The mainstay of type 1 diabetes treatment is the regular injection of insulin to manage hyperglycemia.
GABA	Gamma-aminobutyric acid is the chief <u>inhibitory neurotransmitter</u> in the developmentally mature <u>mammalian central nervous system</u> . Its principal role is reducing <u>neuronal</u> excitability throughout the <u>nervous system</u> . GABA is sold as a <u>dietary supplement</u> in many countries.
DPP4i	Inhibitors of the enzyme dipeptidyl peptidase 4, e.g., sitagliptin approved for use since 2006 in the treatment of type 2 diabetes
PPI	Proton-pump inhibitors (PPIs) are a class of <u>medications</u> that cause a profound and prolonged reduction of <u>stomach acid</u> production. They do so by irreversibly inhibiting the stomach's <u>H+/K+ ATPase</u> <u>proton pump</u>
GLP1 RA	Agonists of the GLP-1 receptor. This class of medications is used for the treatment of type 2 diabetes.
Clinical trials	Pre-clinical- animal tests to provide proof-of concept and initial safety for a drug or therapy. Phase 1 - the first step in testing a new treatment in humans. A phase I clinical trial tests the safety, side effects, best dose, and timing of a new treatment. Phase 2 - conducted to evaluate the effectiveness and safety of a new drug or drug combination for a particular indication. Phase 3 - demonstrates and confirms the preliminary evidence gathered in the previous trials that the drug is, a safe, beneficial and effective treatment for the intended indication. MA (market authorization) - receiving permissions/required registrations to market the therapy.





Triple Therapy (A+B+C) in NOD mice significantly reduced blood glucose and increased C-peptide and own insulin in blood plasma levels in comparison with placebo and all double combinations

Cumulative exogenous insulin demands (IU) and number of mice by glucose level



25

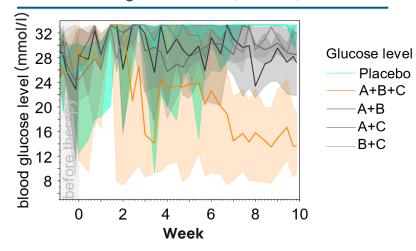
Week

0

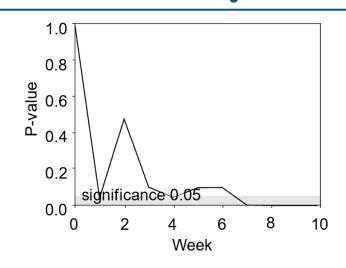
Max= 220 IU

8

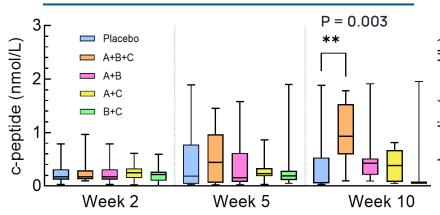
Blood glucose level (mmol/l)



Kruskal Wallis test - Blood glucose level



Dynamic changes of C-peptide levels (nmol/l)



Dynamic changes of own insulin in blood plasma (nmol/l)

