

Forward-looking statements

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The factors set forth above are not exhaustive and additional factors could adversely affect our business and financial performance. We operate in a very competitive and rapidly changing environment, and it is not possible to predict all factors, nor can we assess the impact of all factors on our business or the extent to which any factor, or combination of factors, may cause actual results to differ materially from those contained in any forward-looking statements. Given these risks and uncertainties, investors should not place undue reliance on forward-looking statements as a prediction of actual results.

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Hansa enters 2024 in a strong position to successfully execute on our key priorities

Q4: Strong commercial performance

- Strong revenue generation in Q4 2023, including SEK 43m in Idefirix product sales
- Sales supported by growth in new markets such as U.K., Germany, and Spain
- Commercial partnership formed with NewBridge Pharmaceuticals for Idefirix in kidney transplantation in the MENA region
- Initiation of restructuring to strengthen long-term competitiveness and advance key deliverables

Pipeline: Encouraging read-outs across several indications

- GBS: Positive high-level phase 2 data
- AMR: full data from AMR phase 2 study
- Anti-GBM: Positive momentum continues
- HNSA 5487: Encouraging high-level data from phase 1 trial in healthy volunteers
- Kidney Transplantation:
 - ConfldeS: Randomization completion mid-2024
 - Sustained positive outcomes out to year 5
 - Post-approval study ~45% complete
- SRP-9001-104 imlifidase in DMD:
 - Initiation of phase 1 study mid-December 2023
 - First patient is expected to be dosed in due course

Continued progress against key launch metrics; Major markets to support growth going forward

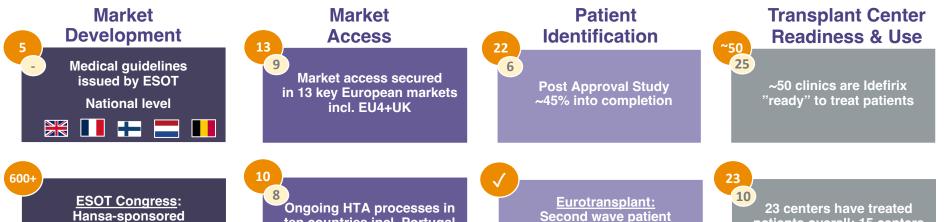
ten countries incl. Portugal

and Switzerland



patients overall; 15 centers

have repeat usage



Major markets to support growth going forward France (repeat usage); Market expansion into new markets incl. U.K., Germany, Spain and Italy

assessment initiated for the

new desensitization program

symposium with

participation from >600

Continued momentum with seven clinical programs in areas of high unmet need



Phase 1

Phase 2

Phase 3

HNSA-5487 (Lead from NiceR)

Antibody Mediated Rejection (AMR)

US ConfldeS Study in kidney



Started

- Encouraging first read-out
- Ongoing collection of immunogenicity data into 2024



Imlifidase met primary endpoint while secondaries were not designed or powered to show a statistically significance

Guillain-Barré syndrome (GBS)

Plans to do a sub-analysis



- 100 patients enrolled; close to 2/3 of 64 targeted patients randomized
- Randomization to complete mid'24
- BLA submission 2025

Pre-treatment Gene Therapy Duchenne

Partnered with Sarepta

- Study site activated in Dec'23
- First patient to be treated in due course



- Positive high-level data announced Dec 2023
- Further analysis will contextualize efficacy data

Post Approval Study in kidney



- 50 patients to be enrolled at 20-25 clinics in Europe
- ~45 into completion. Study to complete by the end of 2025

ANCA-associated vasculitis





Transplantation



First three patients treated out of a target of ten in investigatorinitiated Phase 2 study

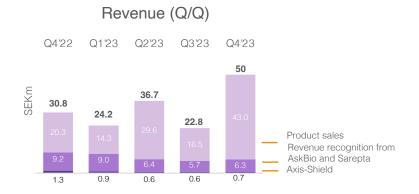
Anti-GBM disease

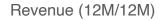


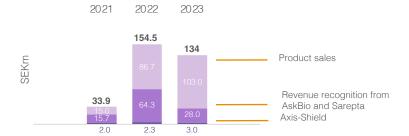
Patients remaining

- 50 patients to be enrolled at 30-40 sites (25 active sites)
 - Completion of enrollment in 2025

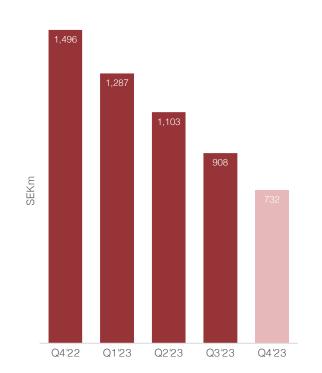
Strong revenue generation in Q4 2023 including SEK ~43m in product sales; With current cash and projected burn-rate, Hansa's operations are financed into 2025





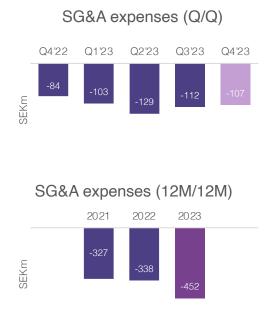


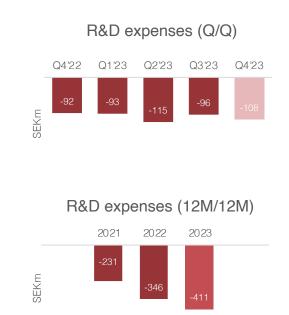
Cash & short-term investments (Q/Q)





Continued investments in commercialization and R&D activities







Operating loss (Q/Q)





Achieved and upcoming milestones

2023	2024	2025
Q4 2023		
HNSA-5487 (Lead NiceR candidate): High-level data readout from Phase 1 Long-term follow-up (Kidney tx): 5-year data readout GBS Phase 2: First data readout AMR Phase 2: Full data readout Sarepta DMD pre-treatment Phase 1b: Commence clinical study	- GBS Phase 2: Outcome of the comparative efficacy analysis to IGOS data - Genethon Crigler-Najjar Phase 1/2: Initiate clinical study with imilifidase prior to GNT-0003 - HNSA-5487 (Lead NiceR candidate): Further analysis around endpoints to be completed in 2024 incl. lead indication - U.S. ConfldeS (Kidney tx) Phase 3: Complete randomization - Sarepta imlifidase in phase 1b in DMD: First high level data read-out from phase 1b	U.S. ConfideS (Kidney tx) Phase 3: BLA submission Anti-GBM disease Phase 3: Complete enrolment

Company overview







Hansa Biopharma today

A successful track record and a promising future...



A validated technology

- Commercial stage biotech company
- Approval in kidney transplantation (EU)
- Market Access in 13 European markets
- PoC in autoimmune diseases
- Three partnerships in gene therapy



Broad clinical pipeline

- Imlifidase being investigated in seven ongoing clinical programs in transplantation and autoimmune disease
- Ongoing clinical study in gene therapy
- HNSA-5487: Encouraging data from phase I first-in-human trial



12

Skilled and experienced team

- A high-performance organization with 20 years on average in life science
- Purpose driven culture
- Headquartered in Lund, Sweden (168 employees Dec'23)
- Operations in both EU and the US



Financial position

- Hansa is financed into 2025.
- Market cap (USD): ~132m (Dec. 2023)
- Listed on Nasdaq Stockholm
- 20,000 shareholders
- Foreign ownership make up ~43%

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We are building a global leader in rare diseases

Today

We are launching our first commercially approved product for enablement of kidney transplantation in Europe*

Tomorrow

We envision a world where patients with rare immunologic diseases and conditions can lead long and healthy lives



Hansa Biopharma's history



2. Clinical development

After the first-in-man study in 2013. Hansa has completed four Ph. II studies since 2014. Additionally Hansa has ongoing and completed trials in anti-GBM disease. AMR. GBS and ANCA-associated vasculitis. In 2019 a MAA was submitted for imlifidase in kidney transplantation.

The EU Commission grants conditional approval for Idefirix® in highly sensitized kidney transplant patients in Europe

2020

Hansa Biopharma enters the gene therapy space through partnership agreement with Sarepta Therapeutics to develop imlifidase as a pre-treatment to enable gene therapy in NAb+ patients

countries

2022

Market access

secured in 13

Provisional approval received in Australia: Marks first time Idefirix has been approved in both living and deceased donors

......

toxicology studies

initiated

2013

Commercialization

1. Turning foe into friend

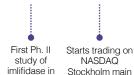
Pre-clinical proof-

of-concept

established

2007

The therapeutic potential in using a bacterial enzyme with specificity for IgG-antibodies, to neutralize pathogenic antibodies was discovered around 2006. The original enzyme, IdeS, has been developed by Streptococcus pyogenes over thousands of years and by transferring a majority of the IdeS coding nucleotide into harmless E. colibacteria, the IgG-cleaving part of the IdeS molecule can be expressed and purified, resulting in the Hansa Biopharma drug imlifidase, i.e., turning a former foe to a friend.



board

kidney

transplantation

3. Commercialization

In august 2020, Hansa received conditional approval for Idefirix (imlifidase) in kidney transplantation. Additionally, Hansa entered into the gene therapy field through a commercial partnership with Sarepta Therapeutics. Thus far, Hansa achieved market access in 13 European markets including the five largest markets. Market access procedures are ongoing in additional countries.

2021

Hansa Biopharma enters collaborations with Medison (commercial). NewBridge (commercial), AskBio and Genethon (both gene therapy)

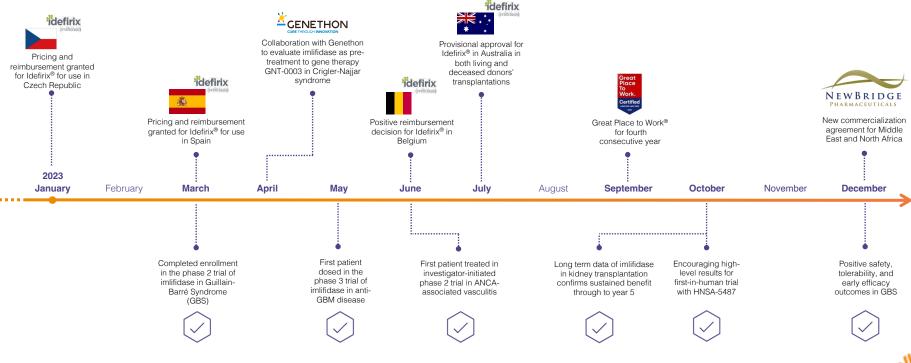








Key milestones achieved during the last 12 months





Imlifidase



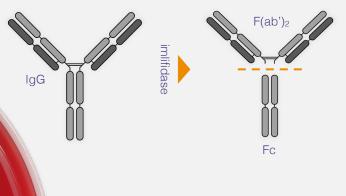


Origins from a bacteria Streptococcus pyogenes

- Species of Gram-positive, spherical bacteria in the genus Streptococcus
- Usually known from causing a strep throat infection

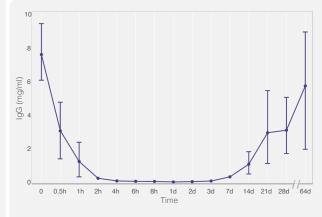
A unique IgG antibody-cleaving enzyme

- Interacts with Fc-part of IgG with extremely high specificity
- Cleaves IgG at the hinge region, generating one F(ab')2 fragment and one homo-dimeric Fc-fragment



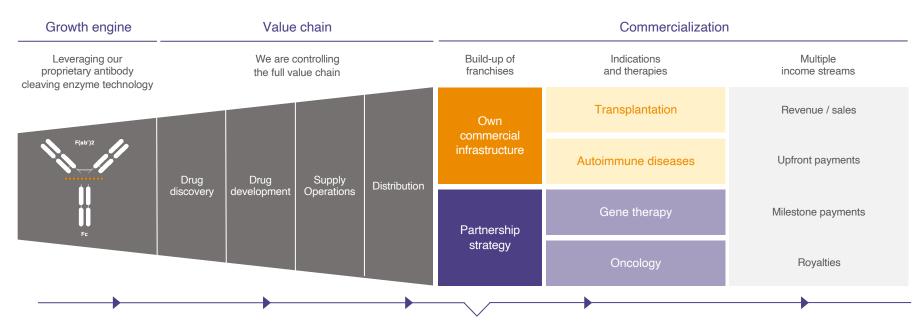
Inactivates IgG in 2-6 hours

- Rapid onset of action that inactivates IgG below detectable level in 2-6 hours
- IgG antibody-free window for approximately one week



Our Business model

Leveraging our technology platform to develop new therapies targeting rare diseases with unmet medical need across a range of indications



Evolution into a fully integrated biopharmaceutical company



Gene therapy pre-treatment Potential indication universe (partnership opportunities) Transplantation and post transplantation (Own commercial infrastructure in EU/US) **Autoimmune** Pompe indications Heart Lung (LGMD) Chronic AMR Lung Kidnev*; First generation antibody **AMR** cleaving enzyme technology Obtained EU conditional approval*,** HNSA-5487 Heart First generation our lead antibody AMR Planned Clinical program Gene therapy cleaving enzyme antibody-cleaving candidate for enzyme technology Clinical program repeat dosing Research program Opportunities currently not pursued Guillain Anti-GBM DSA+ HSCT Oncolytic virus Partnership Preclinical program repeat dosing (Sarepta Therapeutics, AskBio, and Genethon) Acute autoimmune diseases New therapies and (Own commercial infrastructure in EU/US)

oncology

highly sensitized kidney transplant patients.

*) The EU Commission has granted conditional approval for imlifidase in

**) In the US a new study has commenced targeting a BLA filing in 2024

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Our strategic priorities

Our mission is to become a global leader in rare diseases



Commercialize Idefirix® in first indications and markets

- Successfully launch Idefirix® in Europe
- Secure FDA approval and launch Idefirix® in the U.S.
- Geographical expansion



Advance ongoing imlifidase clinical programs in transplantation and autoimmune diseases

- Achieve approval/usage of imlifidase in follow-on indications
- Broaden our Idefirix[®] label beyond kidney transplantation



Expand IgG-cleaving enzyme technology platform into new disease areas and indications

- Explore gene therapy opportunity
- Explore opportunities in Oncology and stem cell transplantation (HSCT)
- Develop our next generation IgGcleaving enzymes to allow for recurring treatment

Build focused, integrated, agile and empowered international organization and seek partnerships to accelerate growth and reduce risk

Our culture is driven by people passionate about making changes





Purpose driven culture

Helping patients with rare diseases serves as a **strong purpose** for our colleagues to **go the extra mile**



Diverse and international

~45%
Internationals across
~35 nationalities

~55/45

Male/female gender split in the leadership team



Skilled and experienced team

>50%
With relevant PhD in R&D

~20 years*

of life science experience on average from Big Pharma, Biotech and Academia

ers Management, R&D, and Commerc



Motivated workforce

For fourth consecutive year Hansa is certified as a Great Place to Work® with 100% participation rate in the survey



Experienced Board and Executive Committee

Extensive experience from the global healthcare industry

Executive Committee



Søren Tulstrup President & CEO (2018) +30 years in the Healthcare sector Fx-CFO at Vifor Pharma Ex-SVP at Shire Pharmaceuticals Ex-CEO at Santaris Pharma Shareholding: 50,347



Hitto Kaufmann CSO (2023) +20 vears in R&D Ex-CSO at Pieris Pharmaceuticals Ex-Head of Strategy and Operations at Sanofi Shareholding: 0



Donato Spota SVP & CFO (2019) +20 years in the Healthcare sector Ex-CFO Basilea Pharmaceutica Senior Finance roles at Roche Shareholding: 15,076



Achim Kaufhold SVP & CMO (2020) +40 years in the Healthcare sector Ex-CMO Basilea Pharmaceutica Ex-CEO Affitech (merged with Pharmexa Ex-CMO Chiron (acquired by Novartis) Shareholding: 8,800



Matthew Shaulis CCO & US President (2023) +20 years in the Healthcare sector Ex-SVP Global Commerical and Medical Go-To-Market model transformation at Pfizer Inc.



Anne Säfström Lanner SVP & CHRO (2019) Ex-Head of HR European Spallation Source Fx-Head of HR Cellavision Shareholding: 7,273

Board of Directors



Chairman (2022) +30 years in the Healthcare sector Chairman of Tunstall Healthcare, Sciensus & Versantis Held senior executive roles at Baxter, Bayer, Novartis & Bristol-Myers Squibb



Board Member (2021) COO at Valo Health (US). Chief Regulatory Officer & Head of Global Regulatory Affairs at Sanofi (2013-2019) SVP & Head of Worldwide Regulatory Strategy at Pfizer (2009-2011)



Anders Gersel Pedersen Board Member (2018) +30 years in the Healthcare sector Fx-FVP R&D H.I undbeck Chairman of Hansa Biopharma's Scientific Committee

Shareholding: 2.500



Board Member (2019) Board member of several companies, e.g. Addlife, Bufab, Irras, Xbrane Ex-CFO of Vitrolife and Plasta



Shareholding: 3.000

Hilary Malone

Shareholding: 0

Eva Nilsagård



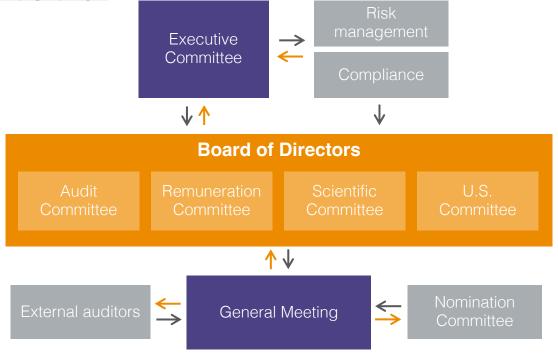
Mats Blom Board Member (2019) CFO of NorthSea Therapeutics Ex-CFO Zealand Pharma Member of Hansa Biopharma's Audit Committee Shareholding: 1.000

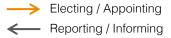


Andreas Eggert Board Member (2018) Fx-SVP at H. Lundbeck A/S Ex-VP Wveth/Pfizer in the U.S. Member of Hansa Biopharma's Audit Committee and Renumeration Committee Shareholding: 5.500



Hansa Biopharma's Governance Structure





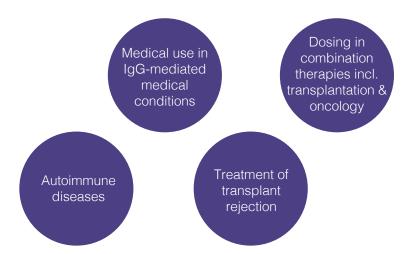


Strong technology protection through patents and orphan drug designations



Patent coverage out to 2035 in key markets

- Our lead product, imlifidase, is protected by six patent families including both granted patents and pending applications and cover the use of imlifidase
- · Patents cover use of imlifidase at least in:



Orphan drug designation

- Orphan drug designation is granted to drugs intended for rare diseases (affecting max 5 patients in 10,000 persons in EU or affecting less than 200,000 patients in the US)
- The designation provides development and commercial incentives, including ten years of market exclusivity in the EU and seven years in the U.S., protocol assistance on the development of the drug, including clinical studies and certain exemptions from or reductions in regulatory fees

Orphan drug designation & marketing authorization ODD for the prevention of graft rejection following solid organ transplantation. Conditional marketing authorization for imlifidase was granted in 20201. Orphan drug designation

transplantation (2015) Imlifidase for the treatment of Guillain-Barré Syndrome (2018)

Imlifidase for the treatment of the rare and acute disease anti-GBM (2018)

Orphan drug designations

Hansa Biopharma is financed into 2025

Financing to support the continued development of Hansa's antibody-cleaving enzyme technology platform and commercial preparations toward regulatory approval in the U.S.







Mid-term financial priorities

Our key financial priorities over the coming years will be focused on ensuring a successful European launch of Idefirix®, while targeting mid-term product profitability

With the recent financing Hansa is fully financed into 2025 We expect to use our current cash position to:

SEK ~732m

(USD ~72m)

in cash and short-term investments post recent financing

Fund the launch and commercial expansion of Idefirix® in kidney transplantation across Europe and start preparations for a potential launch in the U.S.

Complete our EU post-approval commitments and patient enrollment in our ConfldeS study

Advance our R&D pipeline through achieve approval/usage of imlifidase in followon indications and broaden the Idefirix label beyond kidney transplantation

Advance our next generation enzymes (HNSA-5487) in the clinical as well as our initiatives in our other indications such as gene therapy and oncology

Fund working capital and general corporate purposes





Strategic plan to build U.S. presence ahead of potential regulatory approval and commercial launch of imlifidase in the US

Three shots on goal to enter important US market







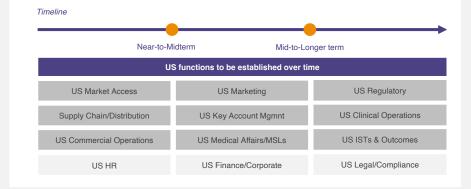
US pivotal phase 3 study in kidney transplantation

Pivotal phase 3 study in anti-GBM disease

Pre-treatment to SRP-9001 in Gene Therapy (DMD)

Critical functions to be established

- Small and agile team with deep clinical and U.S. marketplace expertise
- Comprehensive functional coverage with dedicated U.S. based and experienced team members
- Strength of global strategy and key global functions





An exciting journey ahead!

This is just the beginning!

- Clinical validation
- External validation
- Regulatory validation
- Validated manufacturing
- Strong IPR
- Exciting pipeline
- Strong team

Key milestones to be achieved

- Expand Idefirix® label in transplantation and in other solid organs
- Expand our platform and obtain regulatory approval in indications beyond kidney transplantation
- Advance our lead second generation molecule HNSA-5487 successfully through phase 1 and identify lead indication area
- · Expand partnerships in gene therapy
- Advance imlifidase as pre-treatment into Limb-Girdle, Duchenne, Pompe Disease and Crigler-Najjar syndrome in gene therapy
- · Show PoC in new indications
- Advance potential combination treatment into the clinic

Our future

Hansa Biopharma is a recognized global leader in rare diseases across multiple broad therapeutic areas with several market leading products and a highly valuable pipeline of latestage drug candidates



Imlifidase in kidney transplantation



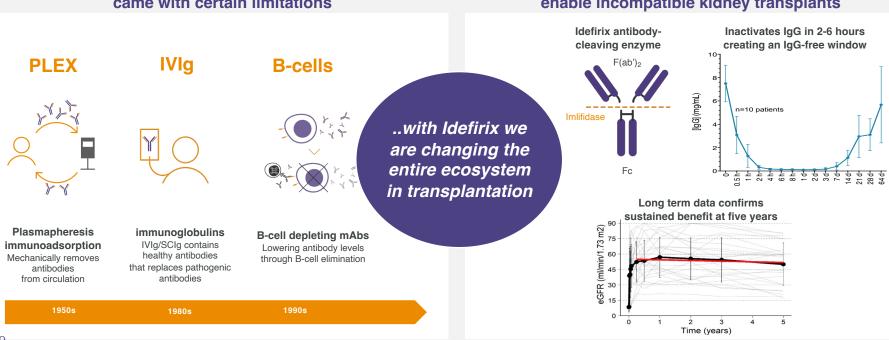


The long-term market uptake of Idefirix is highly dependent on successful early experiences in patients



For decades, medical practice (SoC) in transplantation has been predicated on compatibility as modalities came with certain limitations

Idefirix addresses the limitations of these other modalities and is the first and only approved drug to enable incompatible kidney transplants



Idefirix® is the first and only approved drug in Europe for desensitization of highly sensitized kidney transplant patients



Inability to match or effectively desensitize patients remains a barrier for transplantation in highly sensitized patients. Between 80,000 and 100,000 kidney transplant patients are waiting for a new kidney in both Europe and the U.S.

transfusion

Low complexity transplants High complexity transplants Calculated Panel Reactive Antibodies (cPRA) is a measure for HLA-sensitization ~70% of patients^{1,2} 15-20% of patients^{1,2} 10-15% of patients^{1,2} Moderately sensitized Non or less sensitized Highly sensitized (cPRA < 20%) (20% < cPRA < 80%) (cPRA > 80%)Addressable market (annually) Causes of sensitization include 4,000-6,000 split across Europe and the US **Patients** Patients that unlikely to be are likely to be transplanted transplanted with a under current prioritization compatible programs donor **Previous** Pregnancy Blood

transplantations

¹ EDQM. (2020). International figures on donation and Transplantation 2019

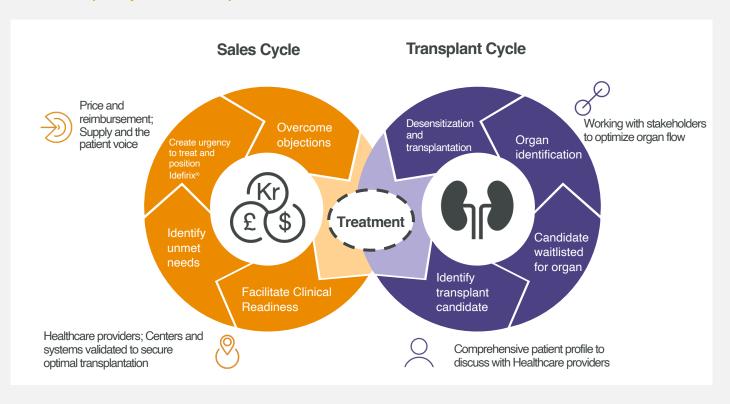
² SRTR Database and individual assessments of allocation systems

The unique market position of Idefirix® requires consideration of both the sales- and the transplant cycle



Sales and transplant cycle adds complexity and time to patient treatment





Encouraging patient outcome in new markets following imlifidase-enabled kidney transplantations

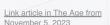






First living donor transplantation in **Australia enabled by** imlifidase was carried out in a 64-year-old highly sensitized male patient (cPRA 99.8)

The patient had been waitlisted for more than 4 years and received two incompatible kidney offers previously

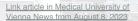






51-year-old highly sensitized male patient transplanted at the **University Hospital Vienna** following graft loss 20 years after receiving a kidney from his father

The patient had been on dialysis for four years with deteriorating kidney function









43-year-old highly sensitized female kidney transplant patient was transplanted at University **Hospital of Padua after** being on dialysis for almost 14 years and experiencing one graft loss

This transplantation was the first imlifidase-enabled kidney transplantation in Italy

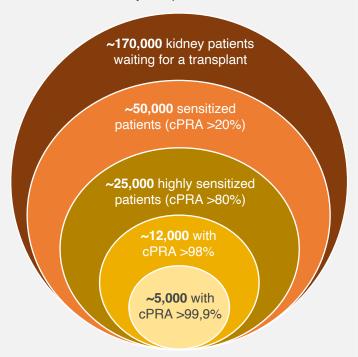
Link article Veneto.it from December 14, 2022



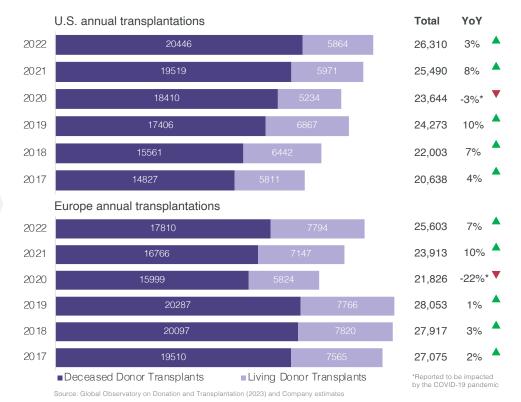
Only 1 in 4 patients are offered access to a lifesaving transplantation

Up to 15% of patients are highly sensitized

Breakdown of the kidney transplant waitlist in U.S. and EU



~50,000 transplantations done annually in Europe and the U.S.

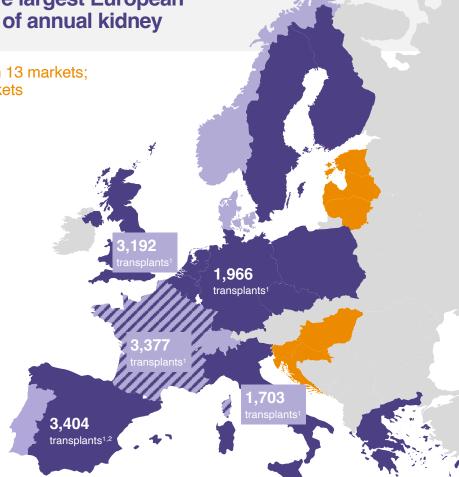


Market Access secured in the five largest European markets representing two thirds of annual kidney transplants in Europe

Positive reimbursement decisions received in 13 markets; HTA processes ongoing in additional 10 markets

- Health Technology Assessments (HTA) dossiers submitted
- Reimbursed Early Access Program
- Pricing & reimbursement obtained (country or clinic level)
- Territories covered commercially by Medison Pharma

A positive recommendation for pricing and reimbursement of Idefirix® in Spain was published on February 6, 2023, https://www.sanidad.gob.es/profesionales/farmacia/pdf/20230202_ACUERDOS_CIPM_230.pdf



Israel

¹ Annual kidney transplantations 2022. Transplantation data is from Global Observatory on Donation and Transplantation, https://www.transplant-observatory.org/ [Accessed 2023-07-10]

Scaling Idefirix® globally as we transform the desensitization treatment landscape and advance a new way of transplanting patients



Build the foundation for Idefirix®

- Commercialize in early-launch countries
- Secure Market Access in key markets
- Ensure clinical readiness/KOL engagement
- Implement medical guidelines (ESOT and country specific guidelines)
- Increase awareness on unmet need
- Initiate post approval study in Europe
- Support patient and organ access

2 Expanding internationally

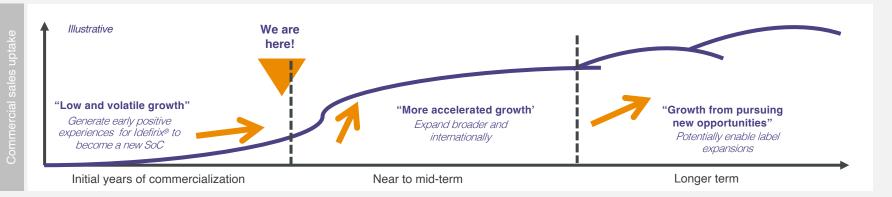
Leverage experience to scale Idefirix in Europe

- Secure FDA approval and launch in the U.S.
- Geographical expansion beyond core markets
- Full marketing authorization in Europe

3 Potential label expansion

Potentially expand into living donor transplantation

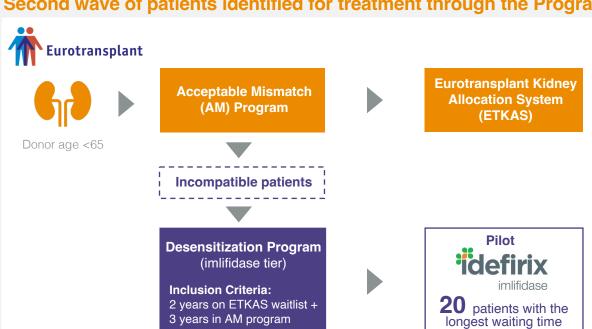
Potentially expand into other solid organs





Eurotransplant Desensitization Program set to transform desensitization across eight European membership countries

Second wave of patients identified for treatment through the Program





Completed and ongoing studies in kidney transplantation





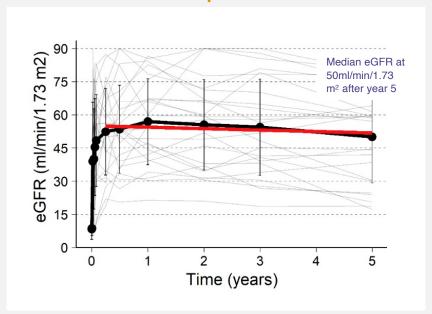
Long term data confirms sustained benefit at five years in graft survival and overall patient survival



Results is a continuation of the 3-year data

- After 5 years graft survival (death censored) was 82%, in line with outcomes seen at 3-years post-transplant
- Patient survival rate was 90%¹
- At five years kidney function measured by mean estimated glomerular filtration rate (eGFR) was 50 ml/min/m² at year 5
- The 5-year data is a continuation of the analysis at 3years of crossmatch positive patients published in the *American Journal of Transplantation*
- Further data from extended pool analysis expected in 2024

Stable long-term outcomes on graft survival and patient survival



¹⁾ Three deaths occurring between six months and one year, and no deaths occurring between one and five years (not related to imlifidase)



Potential to disrupt transplantation care in the U.S. with imlifidase

~2,500 highly sensitized patients that have not been transplanted despite prioritization points on the waitlist

Increasing patient enrollment and number of active sites to complete randomization by mid-2024 Screening Patients waiting Randomization for an organ 12 months Treatment follow-up **Imlifidase** Enrollment Matching criteria's to be met treatment criteria's e.g., HLA profile e.g., cPRA organ/recipient Control arm 99.9% Standard of care From weeks to several months

U.S. ConfldeS

Phase 3

- Continue enrollment beyond 64 patients; Currently 101 patients screened and enrolled, and close to 2/3 of the 64 targeted patients randomized
- Expansion of no sites up to 25 to accelerate randomization
- Randomization expected to be completed Mid-2024 with BLA filing under the accelerated approval path in 2025

ConfideS phase 3 trial will further advance potential for imlifidase to address unmet need in desensitization



Imlifidase may complement the US Kidney Allocation System, as thousands of patients are still unlikely to find a match



Factors impacting the KAS score¹

- Waiting time
- Age
- Transplantation history
- Sensitization (cPRA score)
- Distance and recipient
- Quality of donor kidney (KDPI)

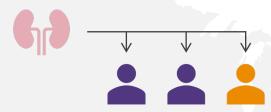


KAS gives patients points with regards to levels of sensitization, increasing the likelihood of finding a match for sensitized patients



Transplantation of highly sensitized patients has increased since the introduction of KAS.

However, thousands of patients are still unlikely to find a match



Highly sensitized patients are less likely to find a matching organ from a deceased donor through KAS

		cPRA%	Est. no. of organs to find match ²	Estimated number of patients on waitlist (U.S) ³	
	s or erate	0-20	1-2	~66,000	
of ion	Less	20-80	2-14	~16,000	
Degree of sensitization	ō	80-98	14-300	~5,000	
Sen	Highly sensitized	98-99.9	300-3,000	~3,500	
		>99.9	3,000-300,000	~2,500	



If approved, Idefirix® may address highly sensitized kidney transplant patients, who are incompatible to a deceased donor in the US Kidney Allocation System

OPTN, https://optn.transplant.hrsa.gov/media/1200/optn_policies.pdf

² p=95%, Clinical Journal of the American Society of Nephrology, 2016

³ Company estimates, OPTN and Global Observatory on Donation and Transplantation

U.S. ConfldeS study: Potential to disrupt transplantation care in the U.S. with imlifidase

U.S. trial design

64 highly sensitized kidney patients with the highest unmet medical need

- Patients with a cPRA score of ≥99.9% will be enrolled
- First patients enrolled at Columbia University, NYC
- 101 patients enrolled across 18 sites with close to 2/3 of 64 patients randomized
- 1.1 Randomization
- When a donor organ becomes available and a positive crossmatch with the intended recipient indicates that the organ is not compatible, the patient will be randomized to either imlifidase or to a control arm, where patients either remain waitlisted for a match or receive experimental desensitization treatment*

Primary endpoint

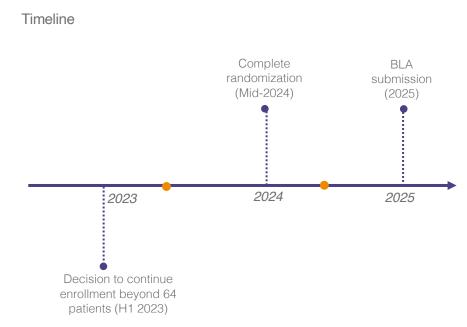
- Mean estimated glomerular filtration rate (eGFR) "kidney function" at 12 months.
- For randomized patients who do not undergo transplantation, lose their graft or die before 12 months. eGFR will be set to zero, consistent with kidney failure

Secondary endpoint

Patient survival at 12 months

Up to 25 leading transplantation centers in the U.S. will be engaged in the study

 Robert A. Montgomery, M.D. Professor of Surgery and Director, NYU Langone Transplant Institute, NYC is appointed to be the principal investigator





^{*}Experimental desensitization treatment can include any combination of plasma exchange (PLEX), intravenous IVIg, anti-CD20 antibody, and eculizumab. Link to the full protocol at ClincalTrials.gov



Idefirix receives provisional approval in Australia

First market to approve use in transplants from both living and deceased donors

Transplant statistics

~15,200 patients suffer from ESRD and need dialysis

1,338 waitlisted for deceased donors in 2021

~21% of patients on waitlist have a cPRA score of 95 or higher

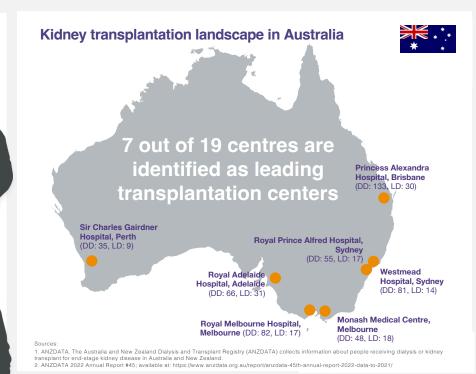
76/24 deceased vs living donor transplantations

First living donor transplantation

First living donor transplantation in Australia enabled by imlifidase was carried out in a 64year-old highly sensitized male patient (cPRA >99.8)

The patient had been waitlisted for more than 4 years and received two kidney offers previously

Link article in The Age from November 5, 2023



First patient treated in post-authorization efficacy study (PAES) of Idefirix® (imlifidase) in highly sensitized kidney transplant patients

The study will provide further important insights regarding Idefirix® desensitization treatment of highly sensitized kidney transplant patients

An open-label Phase 3 study in 50 patients

- First patient was treated by Dr. Oriol Bestard, Chair of Nephrology and Kidney Transplantation at Vall d'Hebron University Hospital in Barcelona
- Ongoing enrollment ~45% into completion end of Q4'23
- The study is an obligation under the conditional marketing authorization for Idefirix® granted by EMA in August 2020, in order to complete a full marketing authorization in the EU. Study is expected to be complete by the end of 2025
- The aim will be to confirm the long-term efficacy and safety of Idefirix® with the primary objective to determine the one-year graft failure-free survival of the Idefirix® treated and transplanted patients.
- In addition, a total of 50-100 patients undergoing compatible kidney transplantation at the participating centers will be included and serve as a non-comparative concurrent reference cohort, with no formal comparison, to contextualize the one-year graft failure-free survival of the Idefirix® treated patients





NCT01802697 (2013/2014)

SUBJECTS

29 (20 active plus 9 placebo) health subjects (Sweden)

DOSES/FOLLOW UP TIME

The starting dose was 0.01 mg/kg BW and the highest dose group received 0.24 mg/kg BW

MAIN OBJECTTIVES

 The objectives were to assess safety, efficacy in IgG cleavage, pharmacokinetics and immunogenicity of imilifidase following intravenous administratic

STUDY DESIGN

 Randomized placebo-controlled dose-escalation study with 29 (2 active plus 9 placebo) healthy subjects

STATUS

Campalatad

 The 01 study showed that Imlifidas was considered safe to use 44

The 01 study results

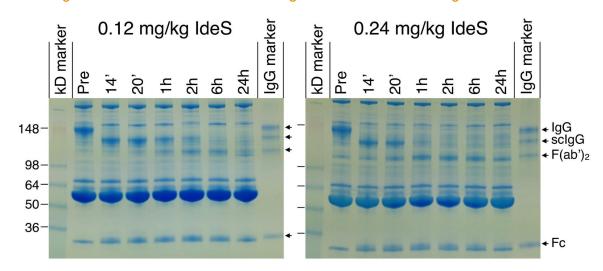
Data showed complete removal of IgG and a good tolerability profile

Efficacy

✓ Rapid degradation of IgG in serum in subjects dosed with 0.12 and 0.24 mg/kg imlifidase. Imlifidase had full effect within 6 hours. The entire IgG pool was converted into F(ab')₂ and Fc-fragments. Maximal effect was accomplished 2-6 hours after dosing.

Safety

✓ Newly synthesized intact IgG was clearly detectable in all subjects after 1-2 weeks after dosing. After 3 weeks the level of intact IgG constituted the main IgG fraction in serum





NCT0222482

SUBJECTS

8 Patients with chronic kidney disease (Sweden)

DOSES/FOLLOW UP TIME

0.12 & 0.25 mg/kg BW given once or twice within 48 hours

MAIN OBJECTTIVES

- Efficacy defined as Imlifidase dosing scheme resulting in HLA antibody levels acceptable for transplantation, within 24 hours from dosing.
- Safety

STUDY DESIGN

- Single-center, Single arm with
- ascending doses, open-label
- Transplantation not part of protoc

STATUS

Completed

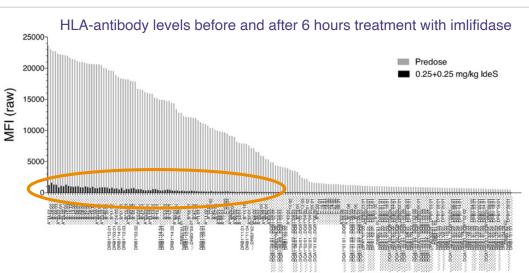
- Primary efficacy endpoint reache
- · Sale and well tolerated

45

The 02 study results

Data showed that 1-2 doses of imlifidase at 0.25 mg/kg BW resulted in HLA antibody levels acceptable for transplantation¹

- ✓ Imlifidase is well tolerated in patients with chronic kidney disease
- ✓ Efficacy results strongly support further development in the patient population
- ✓ The first HLA-incompatible transplantation ever after desensitization with imlifidase was performed in one of these patients (2014)



HANSA



NCT0247555

SUBJECTS

10 Patients (Sweden

DOSES/FOLLOW UP TIME

0.25 and 0.50 mg/kg during 180 days

MAIN OBJECTTIVES

- · Safety in the transplantation setting
- Efficacy defined as HLA antibody levels acceptable for transplantation

STUDY DESIGN

- Single-center, single-arm, openlabel, no prior desensitization
- Similar design as 13-HMedIdeS-02 but transplantation part of protocol
- In deceased and living donors

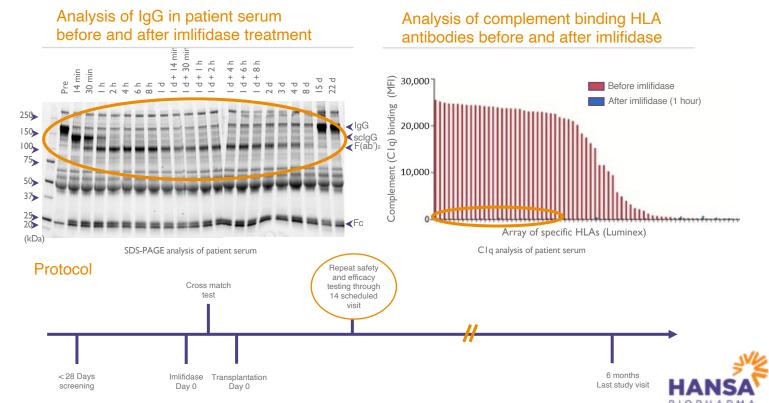
STATUS

Completed

 Proofed safety and efficacy with HLA antibodies at acceptable levels; enabling transplantation in all patients

The 03 study proved safety and efficacy

HLA antibodies at acceptable levels; enabling transplantation in all patients





NCT024226684

SUBJECTS

17 Patients (US)

DOSES/FOLLOW UP TIME

0.24 mg/kg 180 days

MAIN OBJECTTIVES

- Safety in combination with Cedars Sinai's "standard protocol" for desensitization of highly sensitized patients
- · Efficacy in preventing AMF

STUDY DESIGN

- Investigator initiated study
- Investigator sponsored INE
- Imlifidase to desensitize patients previously treated with rituximab and IVIa
- · Deceased donors on

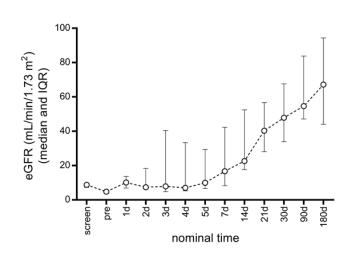
STATUS

Completed

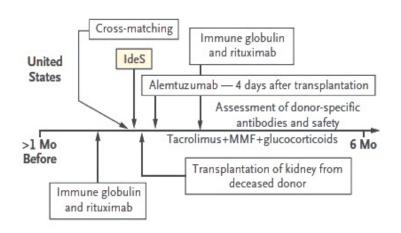
The 04 study results

Study proved safety and efficacy with Cedar Sinai's standard protocol (rituximab and IVIg)

Graft function (eGFR) post six months



Cedar's desensitization protocol in combination with imlifidase







NCT02790437

SUBJECTS

18 Patients (US+Sweden+France 19 safety set, 18 efficacy set

DOSES/FOLLOW UP TIME

0.25 mg/kg 180 days

MAIN OBJECTTIVES

Efficacy in creating a negative crossmatch test

STUDY DESGIN

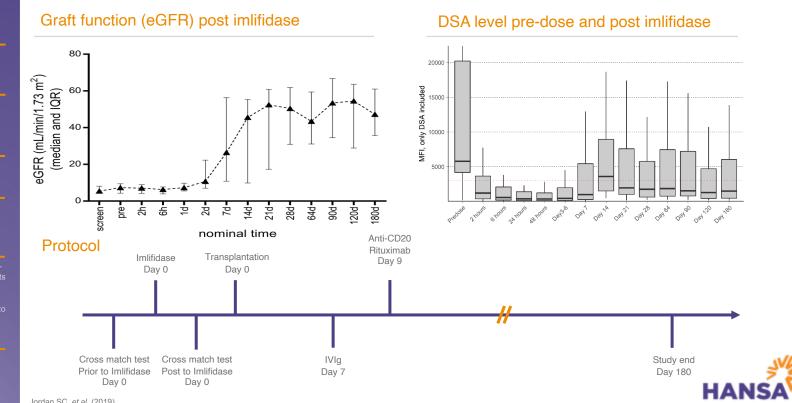
 Multicenter, multinational, singlearm, open-label Included patient who may have had prior unsuccessful desensitization or patients in whom it was unlikely to be effective

STATUS

Complete

The 06 study results

Study showed proved safety and efficacy in making highly sensitized patients eligible for kidney transplantation



Results from the international phase II study on the safety and efficacy of imlifidase in highly-sensitized kidney transplant patients. Abstract presented at ATC.

Completed studies with imlifidase in transplantation



STUDY	SUBJECTS/ COUNTRY		STUDY DESIGN		PRIMARY ENDPOINT		SECONDARY ENDPOINTS	STATUS/ PUBLICATION
Study 01 Phase 1	29 subjects	•	Randomized placebo-controlled dose- escalation study with 29 (20 active plus 9 • placebo) healthy subjects	•	Safety and tolerability	•	Efficacy in IgG cleavage, the pharmacokinetics (PK) and immunogenicity of imlifidase	Complete PLOS ONE (2015) ¹
Study 02 Phase 2	8 subjects	•	Single-center, single-arm, open-label	•	Dosing resulting in HLA-antibody reduction (MFI<1100)	•	Efficacy: HLA antibody reduction acceptable for transplantation (MFI <1100 as measured in SAB assay)	Complete Lorant et al (2018) American Journal of Transplantation ²
Study 03 Phase 2	10 subjects	•	Single-center, single-arm, open-label No prior desensitization	•	Safety: AEs, clinical laboratory tests, vital signs, ECGs	•	Efficacy: HLA antibody reduction acceptable for transplantation (MFI <1100 as measured in SAB assay)	Complete The New England Journal of Medicine (2017) ³
Study 04 Phase 2	17 subjects		Investigator initiated study, Single-center, single-arm, open-label All patients had prior desensitization with IVIG and/or plasmapheresis	•	Assessment of efficacy in eliminating DSAs in DSA and flow cytometry positive, highly sensitized patients Assessment of safety Assessment of efficacy/kidney function	•	Serum creatinine (0-6 months) Proteinuria (0-6 months) DSA at multiple timepoints posttransplant (day 0, D30, D90, D180)	Complete The New England Journal of Medicine (2017) ³
Study 06 "Highdes" Phase 2	18 subjects	•	Multicenter, multinational, single-arm, open-label Included pts who may have had prior unsuccessful desensitization or pts in whom it was unlikely to be effective	•	Crossmatch conversion in DSA+ patients who have a positive XM test to their available LD or DD		DSA reduction at multiple timepoints (2, 6, 24, 48 h after imlifidase) Time to create negative CDC XM test and/or flow cytometry (FACS) XM test Safety	Complete Annals of Surgery (Lonze et al, only New York patients) Montgomery et al ATC abstract (2019) ⁴
Long-term follow-up study	Up to 46 subjects	•	A prospective, observational long-term follow-up study of patients treated with imlifidase prior to kidney transplantation	•	Long-term graft survival in patients who have undergone kidney transplantation after imlifidase administration	•	Patient survival, kidney function, comorbidity, treatments and QoL Safety DSA Immunogenicity	Ongoing Long term data confirms benefit through to year 5 (Oct. 2023)

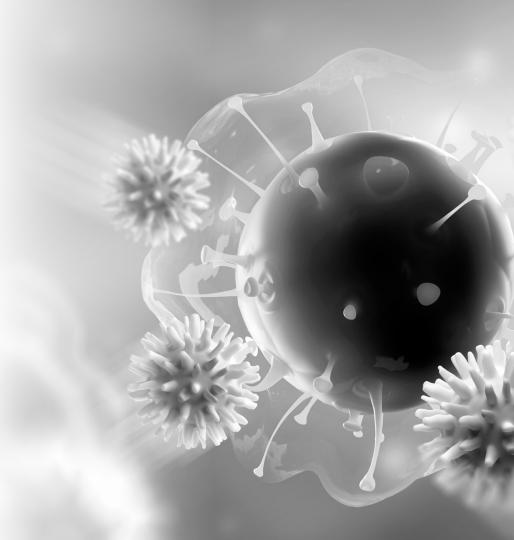
¹ Winstedt el al., "Complete Removal of Extracellular IgG Antibodies in a Randomized Dose Escalation Phase I Study with the Bacterial Enzyme IdeS – A Novel Therapeutic Opportunity", PLOS ONE 2015, 10(7) ² Lorant et al., "Safety, immunogenicity, pharmacokinetics and efficacy of degradation of anti-HLA antibodies by IdeS (imifidase) in chronic kidney disease patients" Am J Transplant. 2018 Nov;18(11):2752-2762

Lorant et al., "Satety, immunogenicity, pharmacoxinetics and efficacy of degradation of anti-HLA antibodies by Ides (imilindase) in chronic kidney disease patients" Am J Transplant. 2018 Nov;18(11):2/52-2/6/3 Jordan et al., "IgG Endopeptidase in Highly Sensitized Patients Undergoing Transplantation", N Engl J Med 2017;37:442-53.

Jordan et al., 19g Endopenidase in nignity sensitizate nations ondergoing Interspiration (n. Engri Neu 2017, 742-25).
 Montgomery et al., "Safety And Efficacy Of Imilifidase in Highly-sensitized Kidney Transplant Patients: Results From A Phase 2 Study" ATC Abstract, 2019.

Our antibody cleaving enzyme technology





Broad clinical pipeline in transplantation, autoimmune diseases, and gene therapy

Post approval study running in

parallel with commercial launch

Planned

Ongoing





¹ Results from the Phase 1 study have been published, Winstedt et al. (2015) PLOS ONE 10(7)

²Lorant et al., American Journal of Transplantation and 03+04 studies (Jordan et al., New England Journal of Medicine)

³ Investigator-initiated study by Mårten Segelmark, Professor at the universities in Linköping and Lund, Sweden
⁴ Investigator-initiated study by Dr. Adrian Schreiber and Dr. Philipp Enghard, at Charité Universitätsmedizin, Berlin, Germany

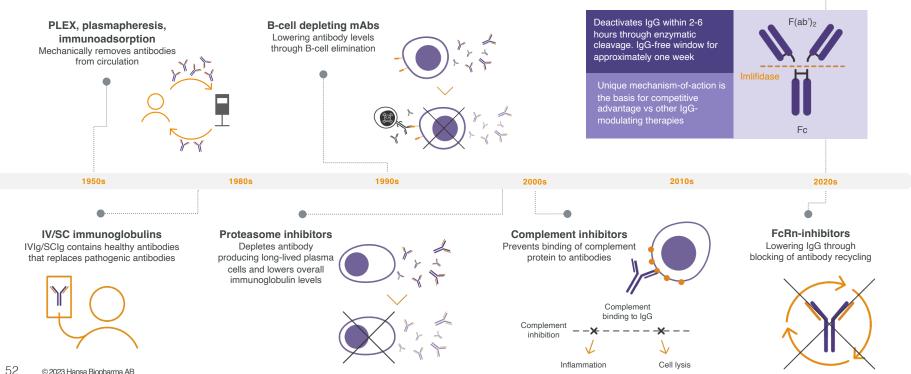
⁵¹



Imlifidase - IgG-cleaving enzyme

Development of IgG-modulating technologies

Mechanisms can be both complementary and competing

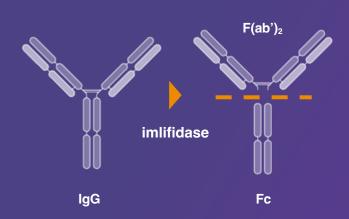


Imlifidase mode of action

Novel approach to effectively eliminate pathogenic IgG

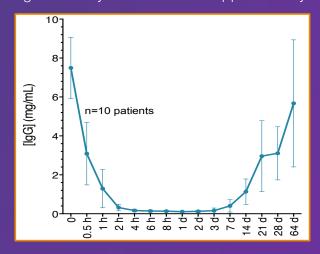
Proven mechanism of action

- Interacts with Fc-part of IgG with extremely high specificity
- Cleaves IgG at the hinge region, generating one F(ab')2 fragment and one homo-dimeric Fc-fragment



Inactivation of IgG in human serum

- Rapid onset of action that takes down IgG below detectable level in 2-6 hours post 15 min infusion
- IgG antibody-free window for approximately one week





Our unique antibody cleaving enzyme technology may have relevance across a range of indications



Targeting rare IgG mediated diseases



Auto-immune diseases

Anti-GBM disease paves the way for development in other autoimmune diseases

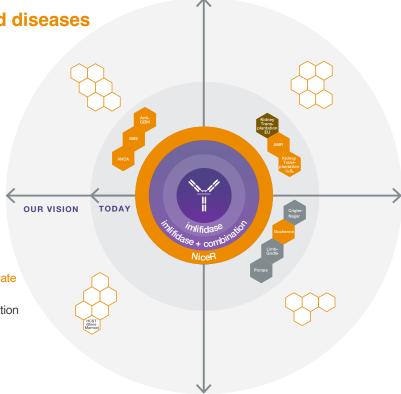
- Rapidly progressive glomerulonephritis
- Neurological disorders
- Skin and blood disorders



New therapies

IgG-cleaving enzymes to enable or even potentiate cancer therapy

 Allogenic stem cell (bone marrow) transplantation (HSCT)





Transplantation

Shaping a new standard for desensitization will help enable new indications in transplantations

- Antibody mediated rejection (AMR) in kidney transplantation
- Other transplantation types



Gene therapy

Exploring opportunities in gene therapy

- Encouraging preclinical data published in Nature
- Validation through collaborations with Sarepta, AskBio, Genethon
- Wide indication landscape beyond

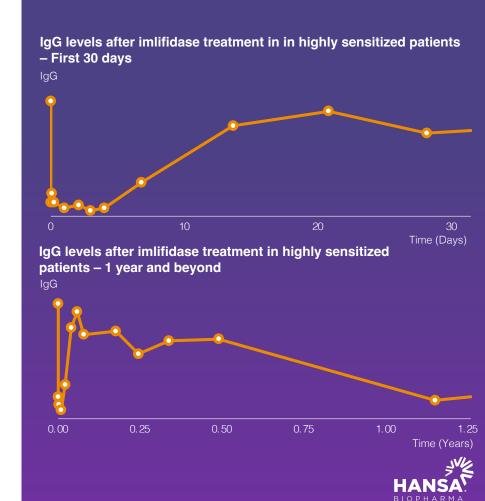
The technology platform is the primary basis for achieving our vision

Targeting rare IgG mediated diseases and conditions

Key opportunities:

- Expanding into new indications
- Reduce immune response to IgG-cleaving enzyme, i.e. allow repeated treatment
- Combination therapy, i.e. induction and maintenance therapy



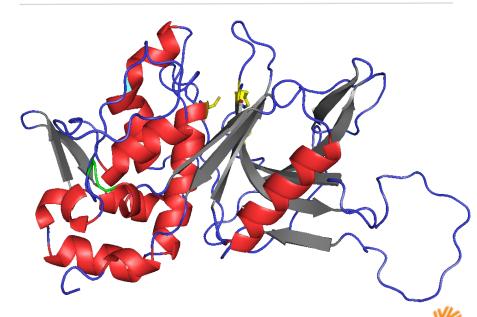


Our IgG antibody-cleaving enzyme, imlifidase

Origins from Streptococcus pyogenes

- Cysteine protease derived from an Immunoglobulin G (IgG)degrading enzyme of Streptococcus pyogenes
- Contains only one cysteine no disulfide bridges
- Monomeric protein with a molecular mass of 35 Kilo Dalton
- Isoelectric point of 6.1
- The coding gene for imlifidase is cloned and expressed in Escherichia coli

Imlifidase consists of 311 amino acids





Imlifidase is a lyophilized product formulation

Shelf life of 18 months at 2-8° Celsius storage; Ongoing stability studies indicate a shelf life of at least 24 months.

Imlifidase will be infused in 15 minutes

- The product for commercial supply will be a lyophilized (cold chain) powder concentrate (11 mg solution) for infusion currently with a claimed shelf life of 18 months at 2-8°c storage. Ongoing stability studies indicate a shelf life of at least 24 months.
- Each vial is filled with 1.2 mL of a 10 mg/mL solution before freeze drying (=12 mg). Extractable volume after reconstitution with 1.2 mL sterile water is 1.1 mL of 10 mg/mL solution resulting in 11 mg product
- The protein concentration,10 mg/mL, has desirable characteristics with respect to not form aggregates
- Continuous stability programs ongoing to study changes in protein characteristics and performance.
- Imlifidase dose is clinically set to 0.25 mg/kg bodyweight (11 mg / 0.25 mg/kg = 44 kg (BW) / vial content) 2R vial size is suitable for the content





Manufacturing process

Hansa has close collaborations with highly experienced European based third party CMOs

Drug substance production process (API)

Northway Biotech



Fermentation/ harvesting

- · Working Cell Bank
- Pre-Cultivation
- Main Cultivation
- Cell Harvest

Protein purification

- Cell Disruption
- Protein Release
- Ceramic Hydroxy Apatite Chromatography

Protein purification cont.

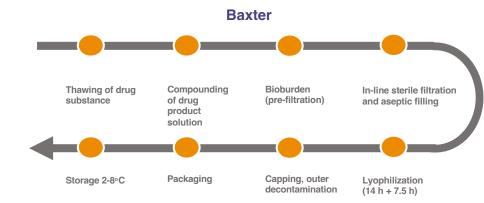
Chromatography

Ion Exchange

- Hvdrophobic Interaction Chromatography
- · Ultrafiltration/ Diafiltration

Filling Formulation. filtration, filling and storage (-80°C)

Drug product production process (upscaling)





Facts

- Based in Vilnius, Lithuania
- Start-up Year: 2004
- Capacity: 300 L fermentor (1000 L fermentor in 2020)
- · Certifications: GMP compliance, Manufacturing authorization license
- · Inspections: National regulatory agency (EU), EU/US customer inspections. FDA mock inspection



Facts

100

- Based in Halle/Westfalen Germany
- Start-up Year: 2001 (contract manufacturing)
- Capacity: 6-35 L drug product solution per batch (5,000-30,000 vials)
- · Certifications: GMP compliance, Manufacturing authorization license
- · Inspections: National regulatory agency (EU), FDA, **EU/US** customer inspections

Clinical development programs







Autoimmune attacks

A result of when the body's immune system by mistake damages its own tissue

Blood

Autoimmune hemolytic anemia, Immune thrombocytopenia



GI tract

Crohn's disease



Nerves

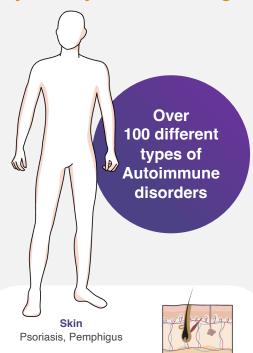
Guillain-Barré syndrome, Myasthenia gravis



Lung

Wegner's granulomatosis







Brain Multiple sclerosis, Neuromyelitis optica



Thyroid Hashimoto's disease, Graves' disease



Kidney Anti-GBM disease



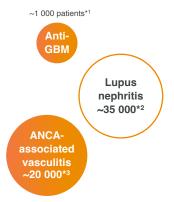
Bone and muscle Rheumatoid arthritis, Dermatomyositis+ 32

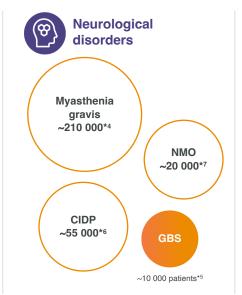
Hansa's antibody cleaving enzyme technology

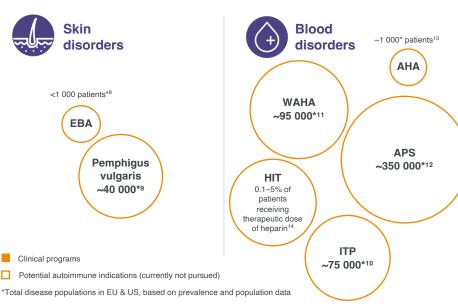


may have relevance in several autoimmune diseases where IgG plays an important role in the pathogenesis









CIDP: Chronic inflammatory demyelinating polyradiculoneuropathy

NMO: Neuromyelitis optica

EBA: Epidermolysis bullosa acquisita **ITP**: Immune thrombocytopenia

WAHA: Warm antibody hemolytic anemia **APS:** Antiphospholipid syndrome

AHA: acquired hemophilia A
HIT: Heparin-induced thrombocytopenia

¹DeVrieze, B.W. and Hurley, J.A. *Goodpasture Syndrome*. StatPearls Publishing, Jan 2021. https://www.ncbi.nlm.nih.gov/books/NBK459291/ [accessed 2021-03-29]

diagnosis-management-and-population-health [accessed 2021-03-29]

Patel, M et al. The Prevalence and Incidence of Biopsy-Proven Lupus Nephritis in the UK. Arthritis & Rheumatism, 2006.
Berti A, Cornec D, Crowson CS, Specks U, Matteson EL. The Epidemiology of ANCA Associated Vasculitis in the U.S.: A 20 Year

Berti A, Cornec D, Crowson CS, Specks U, Matteson EL. The Epidemiology of ANCA Associated Vasculitis in the U.S.: A 20 Yea Population Based Study. Arthritis Rheumatol. 2017;69.

4Myasthenia Gravis. National Organization for Rare Disorders, https://rarediseases.org/rare-diseases/myasthenia-gravis/ [accessed 2021-03-29]

SGuillain-Barré syndrome. Orpha net. https://www.orpha.net/consor/co.l-bin/OC_Exo.bho?l.no=GB&Exnert=2103 [accessed 2021-03-29]

**Chronic Inflammatory Demyelinating Polyneuropathy: Considerations for Diagnosis, Management, and Population Health. The

American Journal of Managed Care, https://www.aimc.com/biew/chronic-inflammatory-demyelinating-polyneuropathy-considerations-loc-

Marrie, R.A. The Incidence and Prevalence of Neuromyelitis Optica. International Journal of MS Care, 2013 Fall: 113-118

⁸Mehren, C.R. and Gniadecki, R. *Epidermolysis bullosa acquisita: current diagnosis and therapy.* Dermatol Reports, 2011, 10-05.

⁹Wertenteil, S. et al. Prevalence *Estimates for Pemphigus in the United States*. JAMA Dermatol, May 2019: 627-629.

10 Immune Thrombocytopenia. National Organization for Rare Disorders, https://trarediseases.org/trare-diseases/immune-thrombocytopenia//[accessed 2021-03-29]

¹²Litvinova, E. et al. *Prevalence and Significance of Non-conventional Antiphospholipid Antibodies in Patients With Clinical APS Criteria*. Frontiers in Immunology, 2018-12-14.

¹³NORD, Acquired Hemophilia [accessed 2022-10-17], available at https://rarediseases.org/rare-

eases/acquired-hemophilia/

¹⁴Hogan M, Berger JS. Heparin-induced thrombocytopenia (HIT): Review of incidence, diagnosis, and management. Vascular Medicine. 2020;25(2):160-173. doi:10.1177/1358863X19898253



Anti-GBM, a rare acute autoimmune disease

Standard of Care

Cyclophosphamide (CYC)

Plasma Exchange

Glucocorticoids

Incidence

in a million affected annually^{1,2}

Data published

in JASN



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Conclusions in this pilot study, the use of millidease was associated with a better outcome compared with earlier publications, without major safety issues, but the findings need to be confirmed in a randomized Clinical Trial registration number: EUDRACT 2016-004082-39 https://www.clinicaltrials.search/bial/2007-001377-28/results

JASN 33: *** *** , 2022. doi: https://doi.org/10.1681/ASN 2021111460

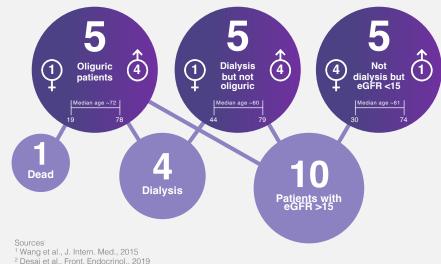
idney survival is poor in patients presenting

with circulating anti-glomerular basement mem-brane (anti-GBM) antibodies and advanced kid.

Recived Newerber 12, 2021. Accepted Petrany 1, 2022.

Results from Phase 2 study of imlifidase in anti-GBM disease published in Journal of American Society of Nephrology (JASN)³

10 out of 15 patients were dialysis independent after six months vs. the historical cohort⁴, where only 18% had functioning kidney



- 3 Uhlin et al. JASN (2022)
- ⁴ McAdoo et al.: Patients double-seropositive for ANCA and anti-GBM antibodies have varied renal survival. frequency of relapse, and outcomes compared to single-seropositive patients. Kidney Int 92: 693-702, 2017

Inflammation in the glomeruli Early symptoms are unspecific... ...but can lead to rapid destruction of the kidney and/or the lung

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New pivotal phase 3 trial with imlifidase in 50 anti-GBM patients to evaluate kidney function after six months

Study Design

 Open-label, controlled, randomized, multi-center phase 3 trial evaluating renal function in patients with severe anti-GBM disease imlifidase + SoC vs. SoC

Subjects

- 50 anti-GBM patients to be enrolled
- Patients will be followed for six months
- Recruitment at 30-40 clinics across US/UK/EU

Doses/Follow up time

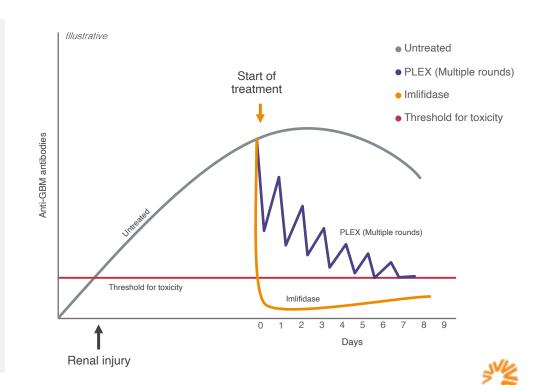
Dosage 0.25mg/kg with 180 days follow up

Main Objectives

- Renal function is evaluated by estimated glomerular filtration rate (eGFR) at 6 months
- Dialysis need at 6 months

Status

16/50 patients enrolled end of Q4'23





Imlifidase demonstrated positive safety, tolerability, and early efficacy outcomes in phase 2 trial in Guillain-Barré Syndrome (GBS)

Incidence

1-2

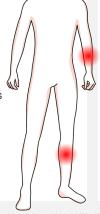
in 100,000 annually in 7 major markets¹

Standard of Care

- Intravenous immune globulin (IVIG) or
- Plasma Exchange (PLEX)

Indication

- Rapidly and progressively weakens extremities
- Triggered frequently by viral infections

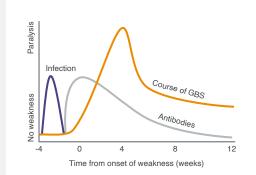


High unmet need

- 1/3 of hospitalized patients require mechanical ventilation
- Remaining long lasting symptoms in ca 40% of patients

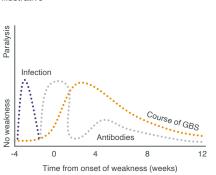
FDA granted Orphan Drug Designation to imlifidase for the treatment of GBS

Today's standard of care, IVIg or PLEX



Potential with imlifidase





Study design: Study is an open-label, single arm, multi-center trial in 30 patients

First high-level data: Imlifidase was safe and well tolerated, and when compared to previously published data - a rapid improvement across several efficacy outcome measures was observed in patients treated with imlifidase in combination with SoC

Path forward: Further analysis will contextualize efficacy data from the single arm study through a comparison to data from patients receiving standard of care

Sources

1) McGrogan et al. Neuroepidemiology 2009:32(2): 150-63.

New investigator-initiated phase 2 study in ANCA-associated vasculitis



- a group of autoimmune diseases characterized by inflammation of blood vessels with very few treatment options today

Incidence

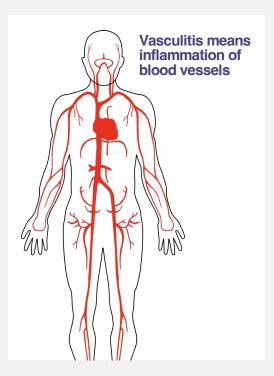
across EU/US of which 8-36% are estimated to have Acute Respiratory Distress Syndrome due to pulmonary hemorrhage^{1,2}

Standard of Care

 Current protocol is Immunosuppression and Intensive support care

Indication

- Causes damage to small blood vessels in the body resulting in inflammation and damage to organs, such as the kidneys, lungs etc.3
- Progress of the disease results in end stage kidney disease in 25 percent of patients⁵
- Most severe cases involving lungs lead to respiratory failure4
- Few treatment options today



The investigator-initiated trial (IIT) is sponsored by Charité Universitätsmedizin, Berlin



Study design

- Single arm, single center, phase 2 study with the primary objective to evaluate efficacy and safety on top of SoC
- 10 patients with severe ANCA-associated vasculitis and Acute Respiratory Distress Syndrome will be treated with imlifidase on top of SoC
- 3 out of a target of 10 patients treated Q4'23
- Trial led by Dr. Adrian Schreiber and Dr. Philipp Enghard at Charité

^{1.} Berti A, et al. Arthritis Rheum atol. 2017;69

² Bathmann J. et al. BMD Open. 2023:9:e002949.

Falk RJ, Jennette JC. The New England journal of medicine. 1988;318(25):1651-7. 4. Flossmann O, et al. Annals of the rheumatic diseases. 2011;70(3):488-94

^{5.} Booth AD, et al. American journal of kidney diseases. 2003;41(4):776-84.

Long term graft survval is challenged by antibody mediated rejection (AMR) episodes following kidney transplantation



Incidence

Acute AMR episodes occur in

5-7%

of annual kidney transplants¹ (2,500-3,500 patients across US/EU)

High unmet need

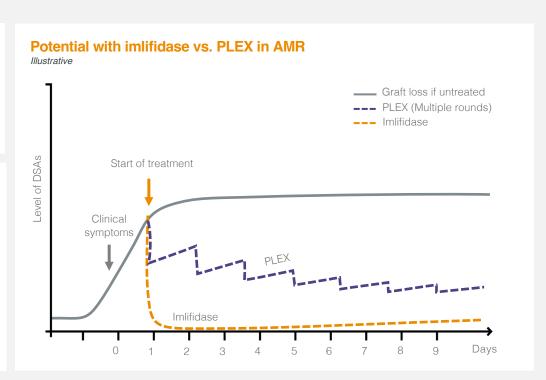
- AMR is one of the most challenging adverse events after kidney transplantation leading to graft dysfunction and loss
- There is no approved treatment for AMR

Standard of Care

- Intravenous immune globulin (IVIg) or
- Plasma Exchange (PLEX) or
- Steroids

Phase 2 study design

30 patients with active or chronic active AMR episodes post kidney transplantation have been enrolled and randomized 2:1 to imlifidase vs. SoC

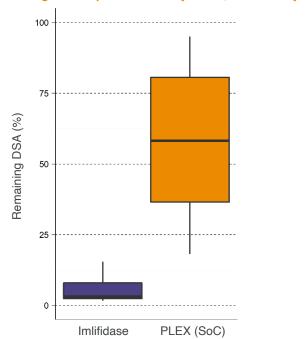


¹ Puttarajappa et al., Journal of Transplantation, 2012, Article ID 193724



Imlifidase met primary endpoint in phase 2 trial in patients with AMR episodes following kidney transplantation

Remaining donor specific antibody levels, within 5 days



Primary endpoint was the maximum reduction in DSA level at any time point during the 5 days following the start of treatment

- Patients treated with imlifidase demonstrated a statistically significant reduction of DSAs by 94.4% compared to a 35.6% (p-value: <0.001) reduction in patients who received PLEX (SoC)
- DSA levels subsequently returned to approximately 70% of the initial level in both treatment arms
- Imlifidase demonstrated a safety profile consistent with previous clinical trials

Secondary endpoints investigated overall kidney function and graft survival

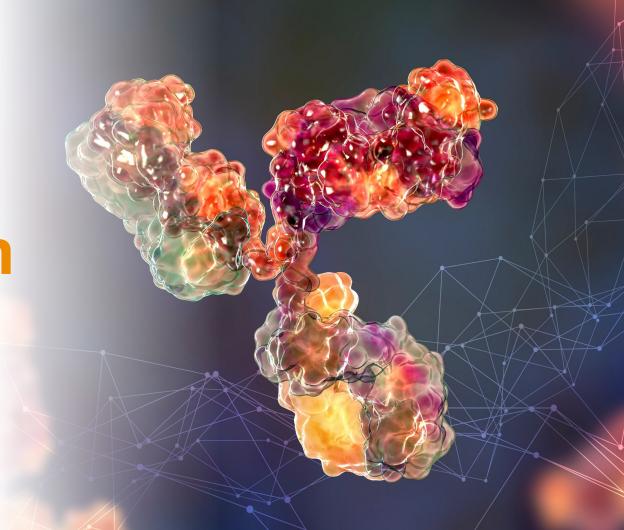
- The imlifidase arm demonstrated a 74% six-month graft survival and eGFR of 30mL/min/1.73m2. A 100% six-month graft survival and eGFR of 33mL/min/1.73m2 was observed in the PE arm
- Given the heterogeneity of the patient population, the trial was not designed nor sufficiently powered to be able show a statistically significant difference in the secondary outcome measures

Path forward

- Treatment guidance indicate reduction of DSA levels as one of the main goals of any AMR treatment Link to Recommended Treatment for Antibody-mediated Rejection After Kidney Transplantation
- At this stage, Hansa plans to conduct a sub-analysis in severe AMR patients for publication in a peerreviewed journal



Next generation enzymes



Encouraging high-level results from HNSA-5487 first-in-human trial



About HNSA-5487

- Lead candidate under Novel Immunoglobulin Cleaving Enzymes for Repeat Dosing (NiceR) program
- Novel IgG cleaving enzyme based on non-human analogue of imlifidase
- Engineered to have low pre-existing immunity and full activity on all IgG subclasses
- The engineered features allows for:
 - Short interval 5487 redosing
 - Long interval 5487 redosing in combination with humoral inhibitor (e.g., inhibition of B-cells and plasma cells)

NICE-01 – One dose IV infusion of HNSA-5487

- A first-in-human, double-blind, placebo-controlled, randomized, single ascending dose trial in healthy male and female volunteers
- Investigating safety, tolerability, pharmacokinetics and pharmacodynamics
- End of trial at day 64 following HNSA-5487 dosing
- Further analysis around endpoints and immunogenicity profile to be completed in 2024
- Selection of lead indication in 2024

Initial outcome of NICE-01

- The administration of HNSA-5487 was safe and well tolerated
- Increased effect and increased frequency of responders upon increasing dose
- A higher dose translates to a deeper IgG reduction and longer duration of response
- Pharmacodynamics (PD) showed a fast and complete cleavage of IgG to F(ab')₂ and Fc-fragments with increasing doses
- Pharmacokinetics (PK) was in line with expectations



HNSA-5487: A novel IgG cleaving enzyme for repeat dosing

Two distinctly different redosing regimens opens a wide range of potential indications

Short interval 5487 redosing



Potential indications:

- Short-term treatment in autoimmune diseases
- AAV gene therapy redosing, e.g., in adolescents/adults that were treated with AAV gene therapy as children
- Hematopoietic stem cell transplantation (HSCT) in patients with donor-specific antibodies (DSA+)
- Repeat dosing of systemic oncolytic virus therapy

Long interval 5487 redosing

in combination with humoral inhibitor



Potential indications:

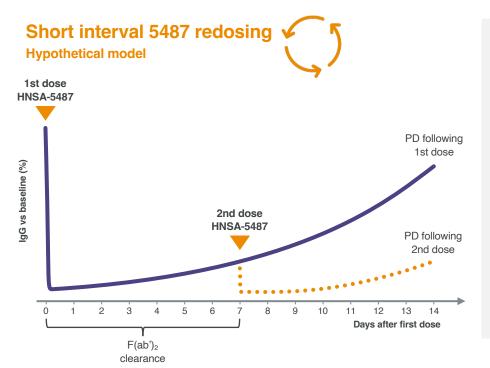
- Autoimmune diseases
- Chronic antibody mediated transplant rejection (kidney, heart, lung)
- Longer-term oncolytic virus redosing

Examples of humoral inhibitors/modulators:

- B-cell depletion/modulation
 - CD38, BCMA, CD19, CD20, BAFF/APRIL, CD32, CD79, tyrosine kinase inhibitors
- Complement inhibitors
- Extracellular protein degraders
- FcRn inhibitors
- Proteasome inhibitors
- Cytokine inhibitors

Short interval redosing with HNSA-5487 could potentially prolong the IgG-low period





Enabling treatments through IgG-low period

Repeat dosing of HNSA-5487 can potentially create a longer IgG-low period, enabling treatments such as:

- Short-term treatment in autoimmune diseases
- AAV gene therapy redosing
- HSCT in DSA+ patients
- Repeat dosing of systemic oncolytic virus therapy

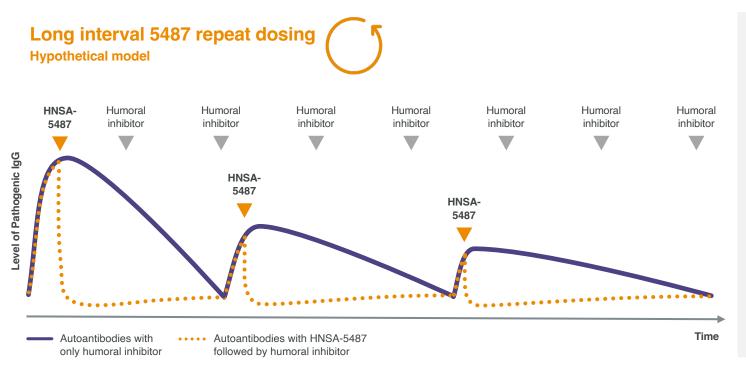
Short-term treatment in autoimmune diseases

HNSA-5487 has potential to more rapidly than any other treatment reverse an autoimmune attack, potentially leading to:

- Faster recovery to baseline
- Shorter hospital stay and easier management of patients in the hospital
- Less risk for lasting damage from acute antibody-attacks



Long interval redosing with HNSA-5487 in combination with humoral inhibitor in relapsing autoimmune diseases and chronic AMR



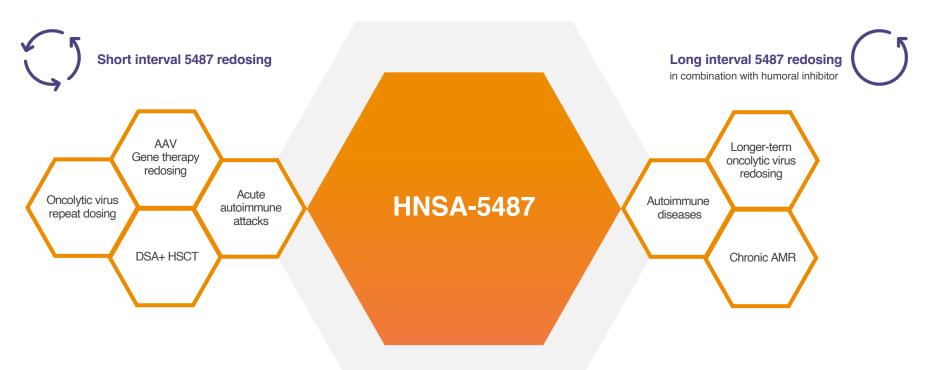
HNSA-5487 rapidly cleaves IgG - chronic humoral inhibition adds duration of effect

- HNSA-5487 rapidly cleaves IgG, and chronic humoral inhibition can keep the IgG at a low level, potentially leading to greater efficacy vs monotherapy
- HNSA-5487 can be used when other humoral inhibitors/modulators are either too slow or not sufficient
- Humoral inhibition can also mitigate anti-5487 antibodies, thereby further improving the potential redosability of HNSA-5487



HNSA-5487 unlocks a broad range of potential indications

Indication landscape for HNSA-5487 through two different redosing regimens



Gene Therapy





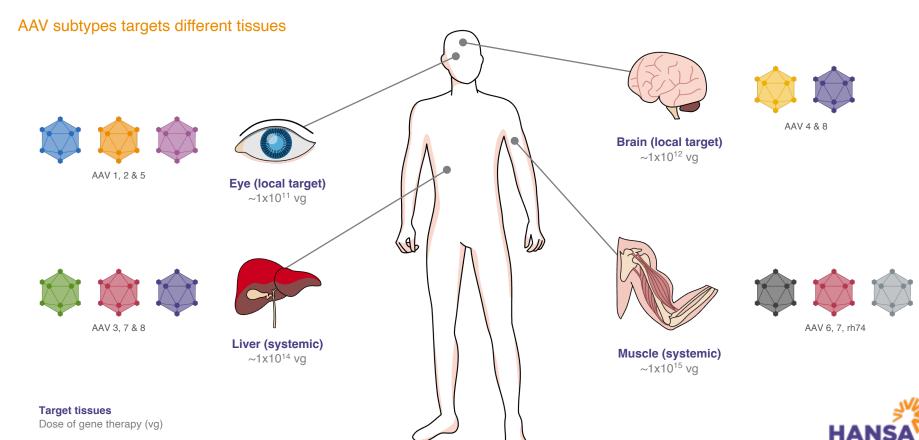
Exploring opportunities in gene therapy



Exploring the opportunities in systemic administration of gene therapy for our unique antibody cleaving enzyme platform to potentially enable gene therapy treatment in NAb+ patients



Tropism and target tissue



Pre-existing antibodies towards AAVs are a limiting factor in Gene Therapy and excludes patients from clinical trials



AAVs, the delivery system of Gene Therapy

- Wildtype Adeno Associated Viruses (AAV) belong to the family of parvoviruses
- AAVs come in many serotypes with different tissue distribution
- They carry their genetic information as DNA and normally do not integrate into the host genome but remains in the cells as episomes
- Recombinant AAV is commonly used for gene delivery, resulting in safe and long-term expression of the transgene

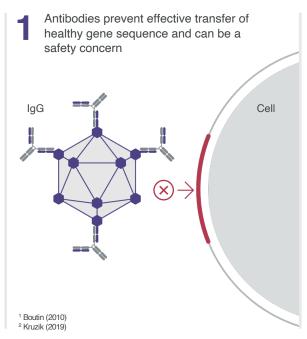
Prevalence of NAbs in AAVs AAV 1 CNS, Eye, Skeletal muscle Up to 70% AAV 2 CNS, Eye, Kidney Up to 60% 8 VAA Liver, CNS, Heart, Eye, Pancreas, Skeletal muscle Up to 60% AAV 6 Lung, Skeletal muscle Up to 45% AAV 7 Liver, Skeletal muscle Up to 30% Heart, Liver, Lung, AAV 9 Up to 30% Skeletal muscle CNS, Eye, AAV 5 Up to 30% Skeletal muscle CNS. Liver. Up to 20% Lung, Eye CNS, Lung, Up to 2%

Source: Boutin et al. (2010), Griffin et al. (2019), Wang et al. (2018), Calcedo & Wilson (2013), Falese et al. (2017), Haiyan et al. (2017), Ellsworth et al. (2018), Greig et al. (2017), Klamroth et al. (2022)

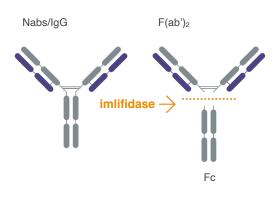
Neutralizing antibodies (Nabs) are immunological barriers in gene therapy; imlifidase may potentially eliminate Nabs

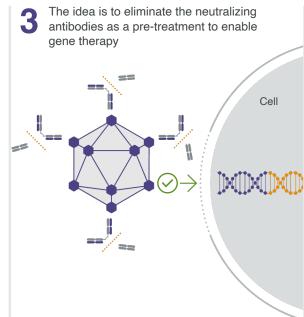


Between approximately 5%-70%^{1,2} of patients considered for gene therapy treatment carry neutralizing anti-AAV antibodies forming a barrier for treatment eligibility



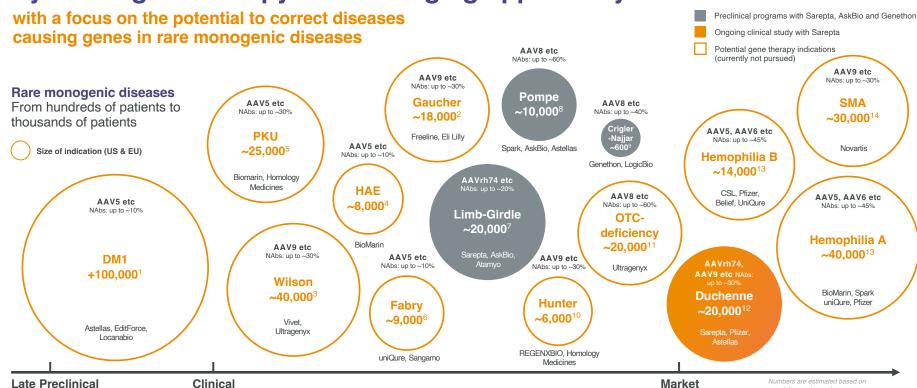
2 Imlifidase is a unique IgG antibody-cleaving enzyme that cleaves IgG at the hinge region with extremely high specificity







Systemic gene therapy is an emerging opportunity



10. Gajula P, Ramalingam K, Bhadrashetty D. A rare case of mucopolysaccharidosis: Hunter syndrome. J Nat Sci Biol Med. 2012 Jan;3(1):97-100. doi: 10.4103/0976-9688.95984

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^{3.} Sandsh 170, Laursen Tt, Munk DE, Vistrup H, Weiss KH, Ott P. The Prevalence of Wison's Disease: An Update. Hepatology. 2020 Feb;71(2):722-732. doi: 10.1002/hep.30911. Epub 2020 Jan 31. PMID: 31449670.

^{4.} Gisazi A., Grant J.A. Hereditary angioedems: epidemiology, management, and role of icatibant. Biologics. 2013;7:100-13. doi: 10.2147/BTT.527568. Epub 2013 May 3. PMID: 28682043; PMID: PMIC3847454.
5. Hillert A, et. al The Genetic Landscape and Epidemiology of Phenylicetonuria. Am J Hum Genet. 2020 Aug 6;107(2):234-250. 10.1016/j.ia/jej.2020.00.00. Epub 2020 Jul 14. PMID: 28682017; PMICD: PMIC7413859

^{12.} Crisafulli S. et. Al, Global epidemiology of Duchenne muscular dystrophy: an updated systematic review and meta-analysis. Orphanet J Rare Dis. 2020 Jun 5;15(1):141. doi: 10.1186/s13023-020-01430-8. PMID: 32503598; PMCID: PMC7275323. 13. GlobalData (Accessed 2023-12-151

^{14.} Verhaart, I.E.C., Robertson, A., Wilson, I.J. et al. Prevalence, incidence and carrier frequency of 5q-linked spinal muscular atrophy – a literature review. Orphanet J Bare Dis 12. 124 (2017). https://doi.org/10.1188/s13023-017-0671-8



Global exclusive agreements with three partners in gene therapy

To develop and promote imlifidase as pre-treatment ahead of gene therapy in select indications

Partner

Access to key resources

World leader within gene therapy targeted at muscular

- Pre-clinical and clinical plan
- Regulatory

dystrophies

Promotion

therapy

 FDA approval in 4–5-year-old kids suffering with DMD

• Early innovator in gene

Conducts pre-clinical and

clinical trials (Phase 1/2)

Indication exclusivity

Duchenne Muscular Dystrophy (DMD)

1/3.500 to 5.000 male births worldwide

Limb-Girdle Muscular Dystrophy

Global prevalence of ~1.6 per 100k individuals

Pompe disease

Approximate incidence is 1 per 40.000 births, or ~200 per year in the

US + EU

Crigler-Naiiar syndrome

Approximately incidence is 0.6-1 case per one million people or 600 patients in Europe and the U.S

Collaborative research, development and commercialization







Exclusive option for AskBio to negotiate a potential full development and commercialization agreement

The initial agreement is focused on research and development

The companies will consider a subsequent agreement for commercialization at a later stage



- A pioneer in the discovery and development of gene therapies
- Conducts pre-clinical and clinical trials (Phase 1/2)







Global and exclusive agreement with Sarepta Therapeutics

HANSA.

to develop and promote imlifidase as pre-treatment ahead of gene therapy in select indications





Indication exclusivity:

- Duchenne Muscular Dystrophy (DMD)
- Limb-Girdle Muscular Dystrophy (LGMD)

Hansa's key resources

- Imlifidase validated with positive clinical efficacy and safety data as well as European approval
- Positive preclinical data published in *Nature* (2020) and at *ASGCT* (May 2023)
- Clear path to U.S. approval (kidney transplant)



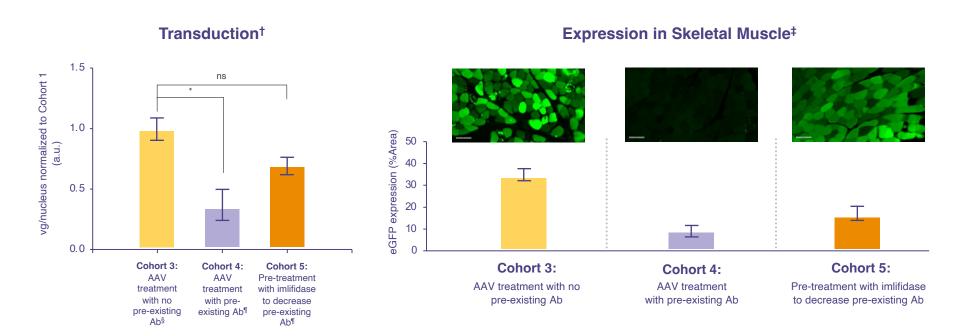
Sarepta's key resources

- World leader within gene therapy targeted at muscular dystrophies
- Pre-clinical plan: PoC and IND-tox
- Clinical / Regulatory
- Promotion
- FDA approval in 4–5-year-olds suffering with DMD





Imlifidase pre-treatment decreases pre-existing antibodies and enhances transduction and transgene expression in NHPs



^{*}P<0.05. †Data are represented as mean \pm SEM and analyzed by one-way ANOVA followed by post-hoc analysis with Dunnett's multiple comparison test . †Data are represented as the mean \pm SEM for the percent area for all of the muscle tissues analyzed at terminal necropsy. §AAVrh74 titer \le 1:400. ¶AAVrh74 titer 1:800–1:1600.

AAV, adeno-associated virus; AAVrh74, adeno-associated virus rhesus isolate serotype 74; Ab, antibody; a.u., arbitrary units; eGFP, enhanced green fluorescent protein; NHP, non-human primate; ns, not significant; vg, viral genome.

Duchenne muscular dystrophy (DMD) is progressive and causes irreversible muscle damage and loss of function



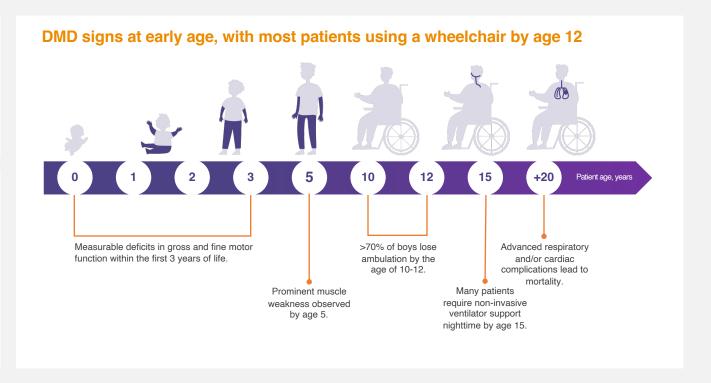
Incidences

1 in 3,500 to 5,000 male births worldwide

~14% have pre-existing IgG antibodies to rh74

High unmet need

- DMD is a rare, fatal neuromuscular genetic disease
- Muscle weakness noticeable by age 3-5, and most patients use a wheelchair by the time they are 12, many require respiratory aid by late teens.
- Life expectancy 26-30 years



Source:

Sarepta Therapeutics, https://www.sarepta.com/ [Accessed 2023-06-13]



Sarepta's EMBARK (SRP-9001-301) data fails on meeting primary endpoint, but secondary endpoints favors ELEVIDYS

Data from EMBARK will be used to file for extended label beyond 4-5-year-olds

Study design

Phase 3, multinational double-blind, randomized, placebo-controlled study evaluating efficacy of ELEVIDYS (SRP-9001) compared to placebo in boys with DMD aged 4-7 years old

Primary endpoint:

Change in NSAA total score from Baseline to Week 52

Important secondary endpoints:

- Change in time to rise (TTR) from floor to Baseline to Week 52 (p=0.0025)
- ✓ Change in 10-meter walk/run (10MWR) from Baseline to Week 52 (p=0.0048)

Sarepta believes data support label expansion following results and discussions with FDA

- No new safety signals were observed
- Positive discussions with the FDA following topline results
- NSAA may not have been sufficiently sensitive to show a treatment effect at the 52-week timepoint
- Natural history study of DMD indicate that a time to rise score greater than 5 seconds is highly predictive of loss of ambulation.
 - ✓ EMBARK showed that treatment with ELEVIDYS reduced the odds of progressing to a rise time of greater than 5 seconds by 91% across all patients and age groups.



Clinical study initiated with imlifidase as pre-treatment to ELEVIDYS in Q4'23

Limb-girdle muscular dystrophy (LGMD) is a group of diseases that cause weakness and wasting of the muscles



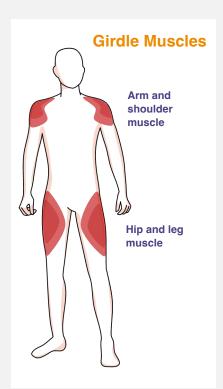
Incidences

1.63 per **100,000** individuals; over 30 subtypes exist, and both genders are affected equally.

~15% of patients have preexisting IgG antibodies to rh74

Indication

- Limb-Girdle can be caused by a single gene defect that affects specific proteins within the muscle cell
- Symptoms may appear at any age.
 Patients may have trouble getting out of chairs or climbing stairs.
 Eventually, they may need a wheelchair to get around.



SRP-9003 β-sarcoglycan (SGCB) gene therapy for treatment of LGMD2F

Initiation of VOYAGENE

On Feb 17, 2023, Sarepta announced that it had commenced dosing in the VOYAGENE study (Study SRP-9003-102) a Phase 1 trial of SRP-9003.

VOYAGENE is a U.S.-only study that will enroll ambulant patients aged 18 years or older and non-ambulant patients, ages 4-50 years, using clinical process SRP-9003 material.

Following positive results in the initial Phase 1 study SRP-9003-101 exploring two different doses, the VOYAGENE study will allow gathering additional data on the intended dose of SRP-9003 in a broader population of patients while finalizing plans for a global Phase 3 study (SRP-9003-301) that utilizes commercially representative material.

More information on the study is available at https://genesislgmd.com/study/voyagene

Collaboration with AskBio to evaluate imlifidase in gene therapy targeting Pompe disease



Feasibility program to evaluate imlifidase as pre-treatment ahead of gene therapy in Pompe disease for patients with pre-existing neutralizing antibodies (NAbs) to adeno-associated virus (AAV)



Hansa's key resources and deliverables

- Imlifidase validated with positive clinical efficacy and safety data as well as European approval
- Significant know-how around antibody cleaving enzymes
- Clear path to U.S. approval (kidney transplant)
- Hansa supplies material and provides additional support

Current agreement scoped around a feasibility program which covers preclinical work and a Phase 1/2 study







Fully owned subsidiary of Bayer AG

AskBio's key resources and deliverables

- Early innovator in the Gene Therapy space with AAV platform and ongoing clinical stage Pompe disease program
- Conducts pre-clinical and clinical trials according to agreed plan

Exclusive option for AskBio to negotiate a potential full development and commercialization agreement





Pompe disease, an ultra-rare disease is caused by the deficiency of an enzyme called alpha-glucosidase (GAA)



Incidences

An ultra-rare indication impacting

1 in 40,000 births or ~200 cases per year across US and Europe

~40-60% patients have pre-existing IgG antibodies to AAV8

Indication

- Defect in a gene making an enzyme called acid alphaglucosidase (GAA), which is used to break down glycogen
- Accumulation of glycogen result in severe impact on the normal organ and muscle function

Late Onset Pompe Disease

Respiratory

- Respiratory failure
- Diaphragm weakness, sleepdisordered breathing
- Orthopnoea, dyspnea, aspiration

Gastrointestinal

- Difficulty chewing/jaw muscle fatigue
- Poor weight gain/maintenance
- Swallowing difficulties/weak tongue

Musculoskeletal

- Proximal muscle weakness, muscle pain
- Frequent falls, gait abnormalities.
- difficulty walking/climbing stairs/getting up
- EMG abnormalities, elevated CK, MRI changes

Collaboration with Genethon to evaluate imlifidase in gene therapy targeting Crigler-Najjar Syndrome





Hansa's key resources and deliverables

- Imlifidase validated with positive clinical efficacy and safety data as well as European approval and clear path to U.S. approval
- Significant know-how around antibody cleaving enzymes
- Hansa supplies material and provides additional support





CURE THROUGH INNOVATION

Genethon's key resources and deliverables

- A pioneer in the discovery and development of gene therapies
- A not-for-profit organization
- Conducts pre-clinical and clinical trials (Phase 1/2)

Initial agreement focused on research and development



Upon completion the two companies will consider a subsequent agreement for commercialization

Genethon co-authored the first article in Nature highlighting the relevance of imlifidase in AAV based gene therapies in the presence of NAbs

Aren Huange³, Laetiti van Wittengerghe³, Batiric Warolethrana³, Dan Lupo³, Joseph Silverberg³, Victoria Daventure³, Henna Beck³, Xavier M. Anguela³, Gluseppe Ronzitti³, Sean M. Armouri³, Sebastien Lacroix-Desmazes³, and Federico Mingozzi³, Sean M. Armouri³, Sean M. Armouri³, and Federico Mingozzi³, Sean M. Armouri³, Sean M. Armouri

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of leg inns Fiels¹, and Fe at 24.1 (Fig. 1a) and a significant deci in anti-AA vecopy 8 (AAN) leg concentration (Fig. 1) and a final miles of their (Fig. 1a) and a significant of the 10 firm temperature of HEX '290 (Law Fig. 1a). Note that the remodering of HEX '290 (Law Fig. 1a) and the 10 firm temperature of HEX (1a) and the remodering temperature an initial in 3). Because Med does not can know the deficient an initial of the remove of the remove of the remove of the with autoralizing among the remove of the remove of the remove with neutralizing among of an AAVX (and the treated with very infinal administration of an AAVX (and the treated with the remove of the

Crigler-Najjar (CN) syndrome is an ultra-rare hereditary disorder caused by deficiency in UGT1A1 (liver enzyme)



Incidences

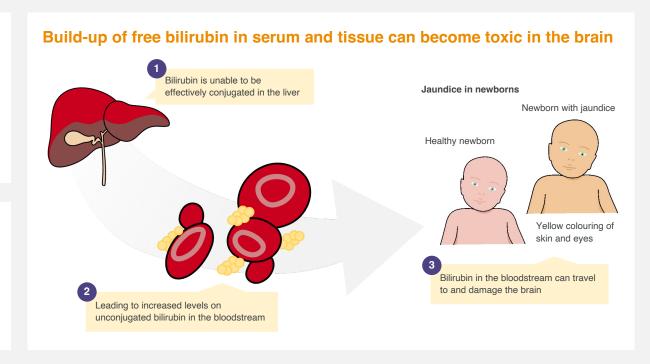
An ultra-rare indication impacting

0.6-1 per **1,000,000** newborns around the world^{1,2}

~30% of patients have pre-existing IgG antibodies to AAV8

Indication

- Build-up of free bilirubin in serum and body tissues, which can become toxic in the brain³
- Severity can vary from mild to severe, no medication approved for treatment so far



Sources

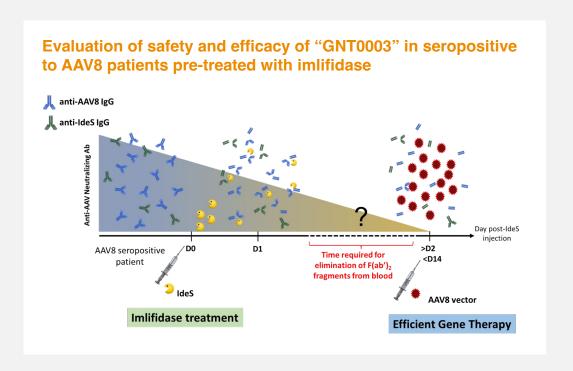
1/Collaud F, Bortolussi G, Guianvarch L, Aronson SJ, Bordet T, Vetor for P, Charles S, Vidal P, Sola MS, Rundwasser S, Dufour DG, Lacoste F, Luc C, Wittenberghe LY, Marin S, Le Bec C, Bosma PJ, Muro AF, Ronzitti G, Hebben M, Milocavai E, Penedioeal Development of an ANALY BUIST 143 VIDENT for the Total Conference of the ANALY BUIST 143 VID

²⁰ Ebrahimi A, Rahim F. Crigler-Najjar Syndrome: Current Perspectives and the Application of Clinical Genetics. Endocr Metab Immune Disord Drug Targets. 2018;18(3):201-211



Feasibility program to evaluate imlifidase as pre-treatment to Genethon's gene therapy in patients with severe Crigler-Najjar syndrome

Study design and timeline Study expected in a small patient population GNT0003: 5E12 vg/kg Imlifidase: 0.25 mg/kg (possible with two doses) Timeline 2024 January April 2023 2023 Hansa and Initiate clinical Genethon Genethon sians study with launches pivotal clinical trial of collaboration imlifidase as pre-treatment to Gene Therapy Initiation of pre-GNT0003 for Crigler-Najjar clinical study Syndrome with imlifidase as pre-treatment to GNT0003



Source: https://www.genethon.com/

ESGOverview











Healthy people

Address unmet medical need and ensure equitable access to care



Healthy business

Make a difference by operating an ethical, transparent and responsible business and cultivate an engaged culture of collaboration, inspiration and innovation



Healthy planet

Embrace sustainable decision making and environment stewardship



Formalising our ESG approach



At Hansa, we have always strived to achieve sustainable business practices. We are now formalizing our approach to sustainability and ESG issues, starting with identifying our key material focus areas.



Our mission: We leverage our unique enzyme technology platform to develop innovative, lifesaving and life altering immunomodulating therapies, bring these to the patients with rare diseases who need them, and generate value to society at large.

Our key ESG material aspects



Environment

Climate & waste impacts of production and logistics

Hansa's environmental impact is small because our production is limited in volume. However, as we grow, we need to be transparent about, and make efforts to limit, our climate and waste impacts.











Social

Unmet needs and equity in health

Patients with rare conditions in general, and highly sensitized patients in particular, have many unmet needs which our therapies help address. These unmet needs can also be reinforced by ethnic or socio-economic status, particularly regarding access to organ transplants. Collaboration with patient groups can help us reach even more patients who can benefit from our treatments.







Putting patients first

In the biopharma industry, there is a risk that patient access to innovative treatment is delayed. Hansa can therefore provide bridge financing on a case-by-case basis to benefit patients who have limited treatment options.







Employee wellbeing, diversity and inclusion

Ensuring employee wellbeing, diversity and inclusion is a fundamental commitment at Hansa. It is also essential for attracting talent in a fast-growing organization and delivering on our strategy.



Third-party risks

We diligently select new business partners, as well as monitor our existing partners and require them to comply with all laws and regulations and our Code of Conduct.





Pricing

In Europe, value-based pricing and universal health coverage is common, but in other countries access is a pressing issue. We can expand access to unfunded patients through collaboration with patient groups.





Governance

Safety, efficacy and ethics

To build a successful company and achieve our mission to extend and enhance the lives of the patients we serve, we must hold ourselves to the very highest standards. Trust is at the core of everything we do.



Return to investors

Biopharma companies need to remain economically attractive as an investment, so as to continue to secure capital and develop new treatments.





UN Sustainable Development Goals

The Sustainable Development Goals (SDGs) were adopted by all UN Member States in 2015 as a universal call to action to end poverty, protect the planet and ensure that all people enjoy peace and prosperity by 2030. They have since become a gold standard for sustainability across businesses, and each of our recommended factors have been developed to align with relevant goals.





































Capital Markets





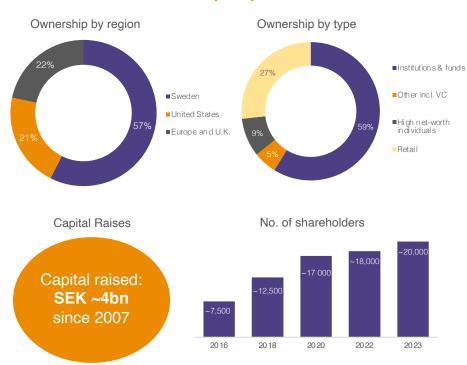
Ownership in Hansa Biopharma



Top 10 shareholders as per November 30, 2023

Name	No. of shares	Ownership
Redmile Group, LLC	10,626,131	20.3%
Nexttobe AB	2,155,379	4.1%
Jeansson, Theodor	2,100,000	4.0%
Olausson, Thomas	1,917,000	3.7%
Försäkrings AB Avanza Pension	1,765,506	3.4%
Fjärde AP-Fonden (AP 4)	1,700,000	3.2%
Tredje AP-Fonden (AP 3)	1,389,650	2.7%
Mitteregger, Max	764,000	1.5%
VOB & T Trading AB	644,800	1.2%
BWG Invest SARL	600,000	1.1%
Other	28,781,496	55.9%
Total	52,443,962	100.0%

Classification of ownership as per June 30, 2023



Company collected consensus



Consensus is based on a collection of analyst estimates pre-Q4 2023 report (Dec 2023)

			Patient uptake, EU			Product Sales estimates, SEKm				Revenue estimates, SEKm					
Analyst consensus	PT, SEK	WACC	Q4'23e	FY'23e	FY'24e	FY'25e		Q4'23e	FY'23e	FY'24e	FY'25e	Q4'23e	FY'23e	FY'24e	FY'25e
Average	80	11.7%	14	38	74	124		34	97	183	303	44	134	229	381
Median	90	12.5%	12	37	65	106		32	93	175	269	39	126	214	313
High	173	14.0%	27	48	116	255		61	121	295	785	75	171	371	928
Low	16	8.0%	8	29	59	85		23	83	130	156	32	115	130	254
Number of contributions	9	9	5	7	7	7		9	10	10	10	7	10	10	10

	Оре	Operating Cash Flow, SEKm				EBIT, SEKm				Cash position, SEKm			
	Q4'23e	FY'23e	FY'24e	FY'25e		Q4'23e	FY'23e	FY'24e	FY'25e	Q4'23	FY'23e	FY'24e	FY'25e
Average	-146	-783	-651	-538		-174	-772	-630	-508	784	720	375	179
Median	-146	-774	-720	-610		-177	-784	-650	-575	784	716	370	295
High	-99	-664	-412	-66		-111	-682	-462	41	851	894	850	547
Low	-192	-931	-828	-756		-205	-815	-749	-747	716	562	-62	-837
Number of contributions	2	9	9	9		7	10	9	9	2	9	8	7



Bank/Research Institution	Analyst	Location	E-mail
SEB	Christopher Uhde, PhD	Stockholm	christopher.uhde@seb.se
ABG Sundal Collier	Gonzalo Artiach Castañón, PhD	Stockholm	adam.karlsson@abgsc.se
Carnegie	Erik Hultgård	Stockholm	erik.hultgard@carnegie.com
Redeye	Johan Unnerus	Stockholm	johan.unnerus@redeve.se
William Blair	Matt Phipps, PhD	Chicago	mphipps@williamblair.com
Van Lanschot Kempen	Suzanne van Voorthuizen	Amsterdam	s.vanvoorthuizen@vanlanschotkempen.com
Intron Health Research	Naresh Chouhan	London	naresh@intronhealthresearch.com
Ökonomiskt Ugebrev	Lars Hatholt	Copenhagen	hatholt@outlook.com
H.C. Wainwright & Co.	Douglas Tsao	New York	dtsao@hcwresearch.com
Bryan Garnier & Co	Ingrid Gafanhao	Paris	igafanhao@bryangarnier.com

Contact our Investor Relations and Corporate Affairs team

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Calendar and events

Jan 8, 2024 JPM week, San Francisco

Jan 8, 2024 H.C. Wainwright & Co. during JPM week 2024, San Francisco

Feb 2, 2024 Full-year Report for January-December 2023

Feb 6, 2024 Aktiespararna, Falkenberg

Feb 28, 2024 Ökonomisk Ugebrev Life Science Event, Copenhagen

March 4-6, 2024 TD Cowen Healtcare Conference, Boston

March 10-12, 2024 Carnegie Healthcare Seminar, Stockholm

Mar 20, 2024 Annual Report 2023

April 8-11, 2024 Needham Healthcare Conference (virtual)

April 16-17, 2024 Van Lanschot Kempen Life Science Conference, Amsterdam

Apr 17, 2024 Interim Report for January-March 2024

July 17, 2024 Half-year Report January-June 2024

Oct 23, 2024 Interim Report for January-September 2024

