

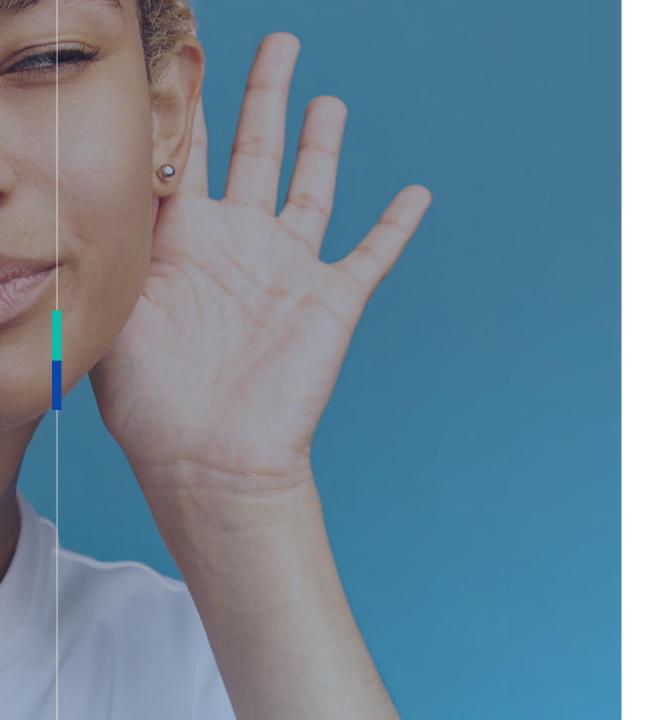
Corporate Presentation

Unlocking The Potential Of Advanced Therapies For Hearing Loss

August 2025

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1 SENSORION

Our vision is to enable people with inner ear hearing disorders to live life with unlimited connections

Establishing Global Leadership In Hearing Loss With Strong And Diversified Pipeline



- Unmet clinical need: 1.5bn people affected by hearing loss (HL)
- Multiple causes: genetic, environmental, idiopathic



- Modality agnostic approach to hearing loss disorders
- World-leading and exclusive partnerships



- Gene therapies (GT): SENS-501 and GJB2-GT
- Prospective Natural History Studies



- Small molecule SENS-401
- Multiple indications



Multiple upcoming clinical milestones



- 68 FTEs, listed on Euronext Growth
- Leading blue-chip life sciences shareholders

Experienced Leadership Team, Board of Directors and SAB



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Chief Executive Officer



GERALDINE HONNET
Chief Medical Officer



LAURENE DANON
Chief Financial Officer



BERND SCHMIDTChief Technical Officer



STEPHANIE FILIPE
Head of Business Ops &
Portfolio Management

SENSORION (Since 2020) CELLECTIS (2016-2020) Program Leader & Preclinical Manager



LAURENT DESIRE
Head of Preclinical
Development
SENSORION
(Since 2020)
YPOSKESI
(2017-2020)
Head of Cellular &
Molecular Biology Unit

SENSORION (Since 2017)

SHIRE (2016-2017) Head of the Global Genetic Diseases Franchise SENSORION (Since 2020)

GENETHON (2011-2020)

Director of Development

SENSORION (Since 2023)

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SENSORION (Since 2024) QUELL Tx (2019-2023)

(2019-2023) SVP Product Delivery

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Best-In-Class Partners And Internal Capabilities To Transform Standard Of Care

PARTNERS

TRANSLATIONAL RESEARCH

Pasteur



GLOBAL CLINICAL CENTERS OF EXCELLENCE



DIAGNOSIS AND PATIENT JOURNEY







IN-HOUSE



PRECLINICAL -SMALL MOLECULES & GT PROGRAMS



CLINICAL EXPERIENCE



CMC GENE THERAPY FACILITIES

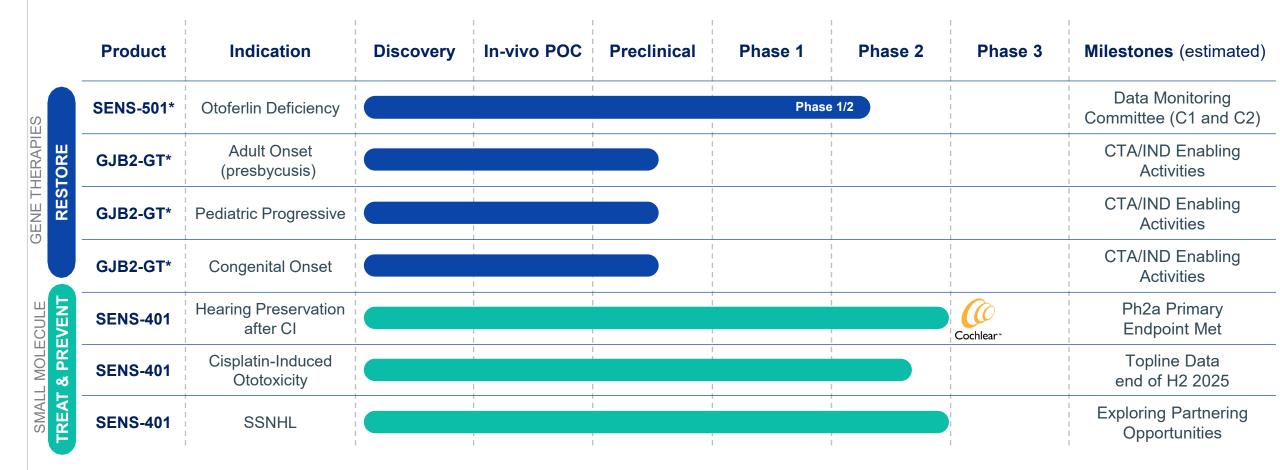


REGULATORY EXPERTISE

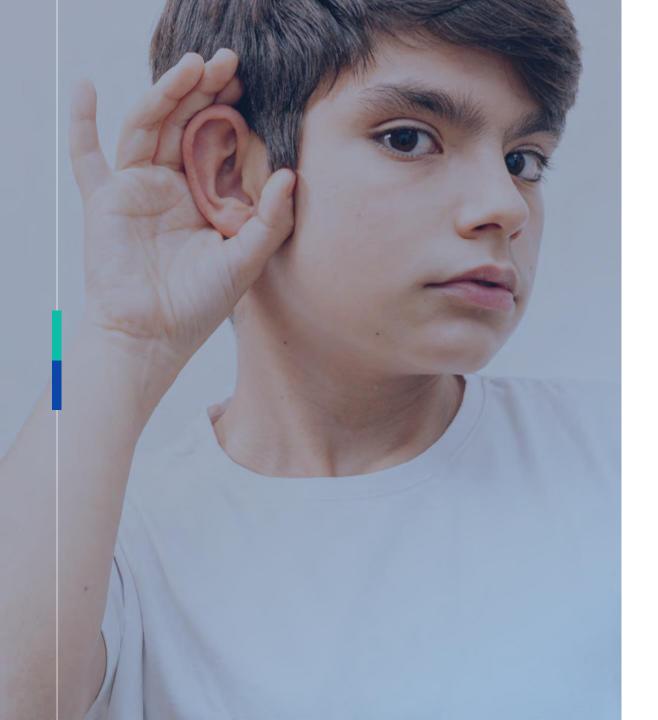


PATIENT ACCESS

Portfolio Of Advanced Hearing Loss Therapies



3SBio has a right of first refusal with respect to licensing in Greater China of SENS-401 (except in combination with cochlear implants) and SENS-501 OTOF-GT Option to grant a licence from the Institut Pasteur (licence granted for SENS-501, pre-defined financial terms and other terms to be negotiated for GJB2-GT) Copyright by **Sensorion** - 2025 - All Rights Reserved



2 GENE THERAPY PROGRAMS

Gene Therapy Programs Target Rare Auditory Diseases

FIRST PROGRAMS RESULTING FROM THE INSTITUT PASTEUR COLLABORATION

OTOFERLIN DEFICIENCY

- Pediatric patients with mutations in OTOF gene suffer from severe to profound sensorineural prelingual non-syndromic hearing loss
- Otoferlin deficiency could be responsible for up to 8% of all cases of congenital hearing loss
- Prevalence ~20,000 in the USA + EU
- Incidence ~1,100 per year in USA + EU
- EU and US Orphan Disease Designation, US Rare Pediatric Disease Designation
- Pediatric Investigational Plan Agreed in EU

GJB2-RELATED HEARING LOSS

We have identified three forms of hearing loss associated with *GJB2* gene mutations:

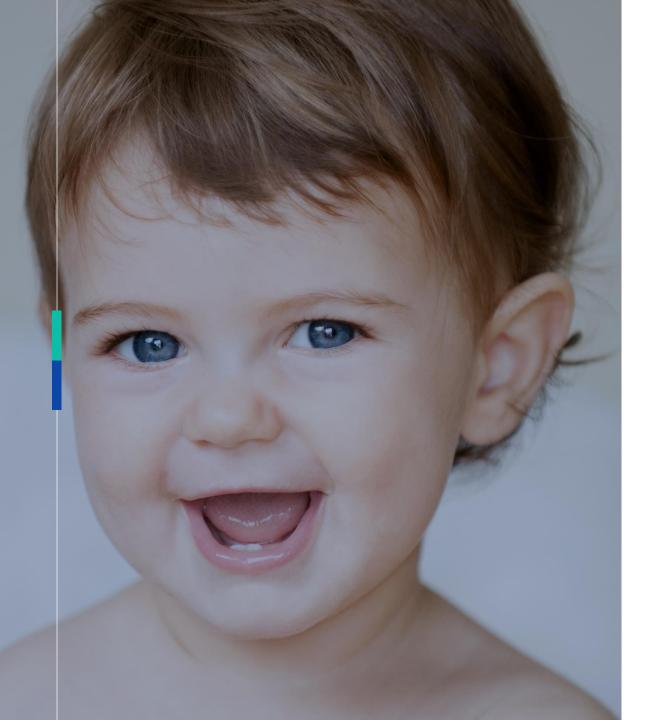
- Early onset of severe presbycusis (adult population)
- Childhood onset (pediatric population)
- Congenital onset (pediatric population)
- ~100,000 patients between 30- and 69-years old thought to be affected by a monogenic form of presbycusis due to GJB2 mutations
- Prevalence of congenital and childhood onset forms are estimated to be around 200,000 patients as around 50% of autosomal recessive non syndromic hearing loss cases are thought to be from GJB2 mutations



Current Standard Of Care Is Cochlear Implantation

Gene Therapy Has A Life-Changing Potential For These Auditory Diseases

Sources: Akil et al. 2019 (<u>link</u>), Orphanet (<u>link</u>), company estimates based on publicly available population data Chardan 2020 report, Bryan, Garnier & Co 2019 report, Institut Pasteur, Boucher et al. 2020 (<u>link</u>)



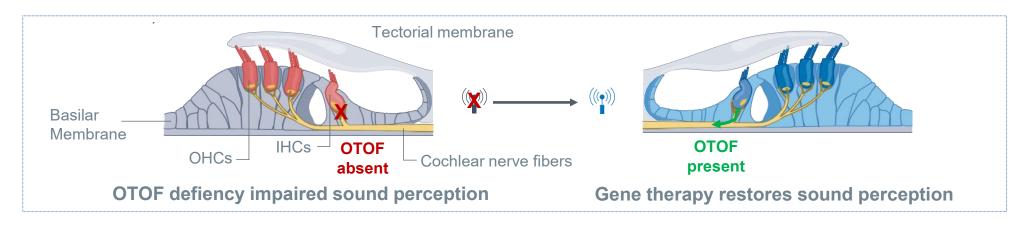
2.1
OTOFERLIN
DEFICIENCY

SENS-501 (OTOF-GT) Is The Perfect Pilot Program

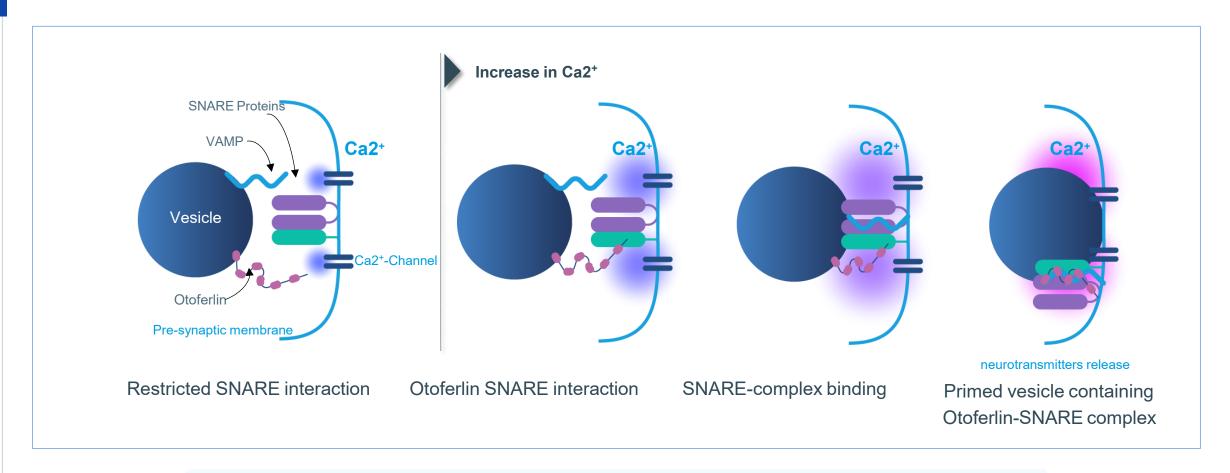
- Well understood biology and pathology of the otoferlin deficiency
- Full functionality of the remaining hearing pathway components
- High specificity for the inner hair cells (IHCs), no off-target effect expected



- SENS-501 is the pilot program that has the potential to demonstrate that GT is a relevant medical approach for the inner ear
- SENS-501 will establish understanding of GT in the inner ear by the Regulators and the Payers for future GT programs
- Medical plausibility and target population have been confirmed through:
 - ✓ ODD in the US and EU, RPDD with eligibility for voucher in the US
 - ✓ PIP agreed in EU
 - ✓ First and Second cohort completed



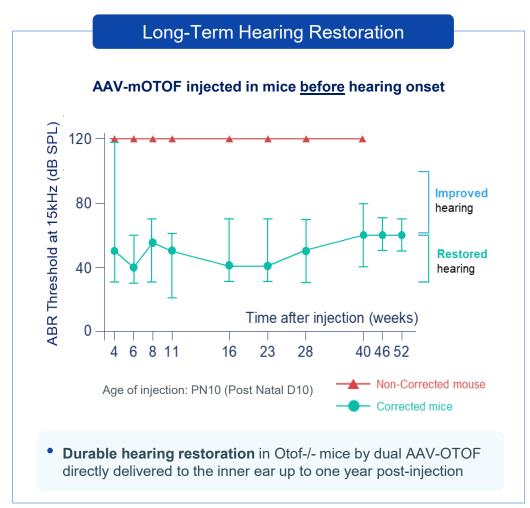
OTOF Gene Encodes Otoferlin, A Key Ca2+ Sensor Protein

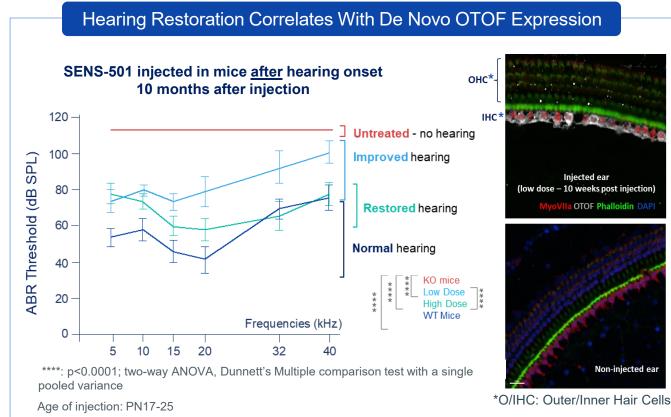


OTOF is the gene coding for the otoferlin protein, a Ca2⁺ sensor key for vesicle fusion and vesicle pool replenishment at auditory hair cell ribbon synapses

Otoferlin acts as a Ca2+ sensor for vesicle fusion and vesicle pool replenishment at auditory hair cell ribbon synapses) - Michalski et al 2017 Model illustrating calcium regulation of otoferlin/SNARE interaction in the hair cell – Adapted from Ramakrishnan et al. 2014 Copyright by **Sensorion** - 2025 - All Rights Reserved

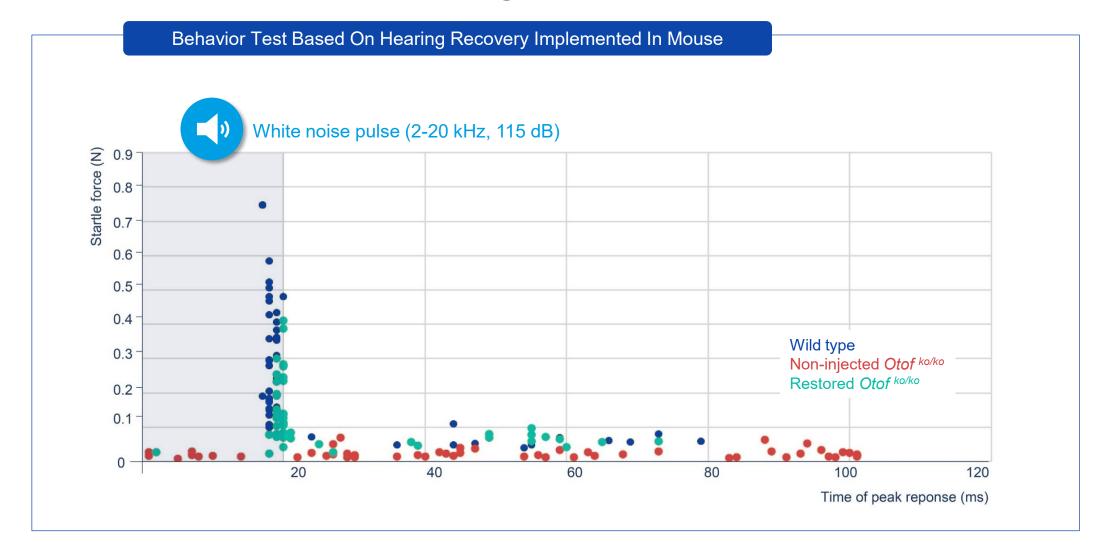
Long-Term Hearing Recovery In A Standardized Translational Model Of Otoferlin Deficiency





- Both doses of SENS-501 demonstrated efficacy in improving hearing in KO mice
- SENS-501 leads to otoferlin expression in Inner Hair Cells

Restoration Of Efficient Sound Processing In Behavioural Test



Dedicated Surgical Approach For Gene Therapy

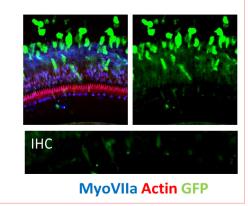
Non-Human Primates injected through the round window membrane with or without stapedotomy

1 Fenestration



Used for cochlear implant

- Overpressure
- Limited volume
- Backflow
- Irregular transduction rate



Surgical Approach

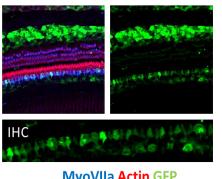
- Surgical procedure is similar to cochlear implantation and well mastered by ENT surgeons
- Optimized surgery uses stapedotomy procedure to maximize target cells exposure along the full length of the tonotopic axis
- Proprietary injection device developed to inject a defined volume at a controlled flow rate

2 Fenestrations



Combining 2 common surgical techniques: cochlear implant and stapedotomy

- No overpressure
- No backflow
- Homogenous and efficient transduction rate



MyoVIIa Actin GFP

Raising The Bar With The SENS-501 Audiogene Study

Generating a compelling value story showing that SENS-501 treatment is able to:

- Demonstrate by itself hearing restoration in toddlers
- Enable infants to have normal language acquisition and development
- Improve Patient Reported Outcomes & Quality of Life to allow infants social development

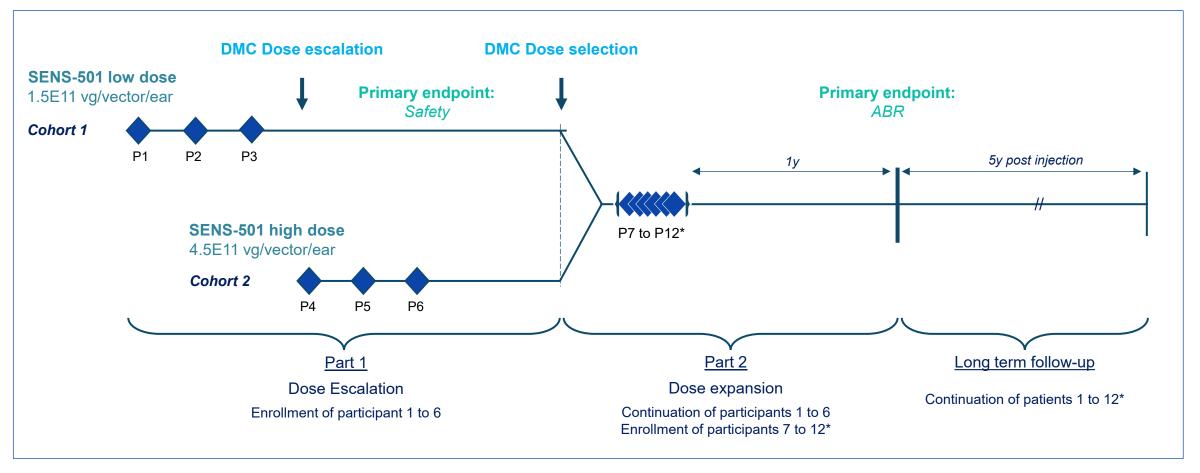
Critical parameters leading Audiogene towards success:

- A homogeneous clinical study population in the right target age for speech acquisition (ie: below 3 years old)
- No concomitant or previous cochlear implantation at the time of the injection, to be able to document the
 contribution of the GT in speech development
- Global clinical study leveraging the natural history network



Audiogene The First Phase 1/2 Study With A Homogeneous Population

Audiogene, a Phase 1/2 clinical trial in homogenous population of infants and toddlers, aged 6 to 31 months, naive of cochlear implants, to assess safety, tolerability, and efficacy of SENS-501 following unilateral injection into the cochlea



^{*}Further participants may be recruited if required, who will be assessed in the same way as P7 to P12. Copyright by **Sensorion** - 2025 - All Rights Reserved

Audiogene Study Status



DOSE ESCALATION ON TRACK



- Patient recruitment going as planned with First and Second Cohort completed
- Good initial safety to date at both doses
 - Surgical administration procedure well tolerated
 - No dose-limiting toxicities, no Serious Adverse Events
 - Vestibular function and Otoacoustic Emissions (OAEs) remained intact and unchanged from baseline
- Early promising hearing improvements observed in Patient 3 (Cohort 1, at low dose), a toddler aged 11 months at the time of injection

PATIENT 3
DATA AT
3 MONTHS



- Positive ABR responses at two frequencies, with the best frequency reaching 70 dB
- Improvement of hearing levels per PTA across two frequencies with best frequency reaching 90 dB level
- Meaningful changes in responses to sounds and voices as reported by the parents with an IT-MAIS score increase of 16 points (145% relative improvement from baseline), and met expected auditory milestones based on an age-based parent questionnaire and according to the patient's age (LittlEARS)

Program Status



Pediatric Investigational Plan agreed in EU

1st and 2nd
Cohort
Completed

Data Monitoring Committee

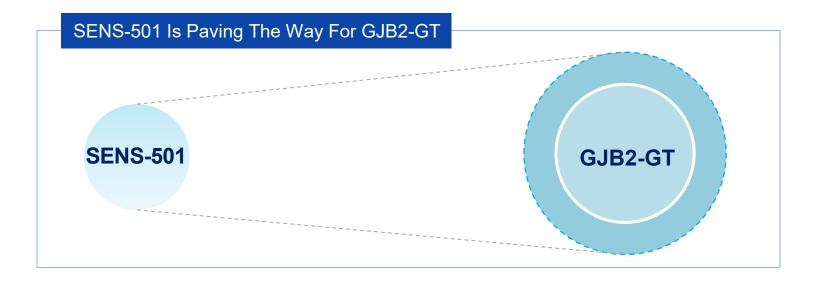




2.2

GJB2-RELATED HEARING LOSS

Leveraging SENS-501 Program For GJB2-GT Program Success



Aiming To Develop Best-In Class And First-In Class Gene Therapy

- AAV capsid selected for high-level of target cells specificity
- GT product showing high level of target cells transduction
- Limited off-target tissue biodistribution
- Surgical approach developed and mastered by ENT surgeons

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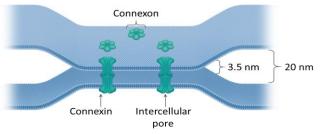
21

Connexin 26 Is Encoded By GJB2 Gene And Is Responsible For Tissue Homeostasis

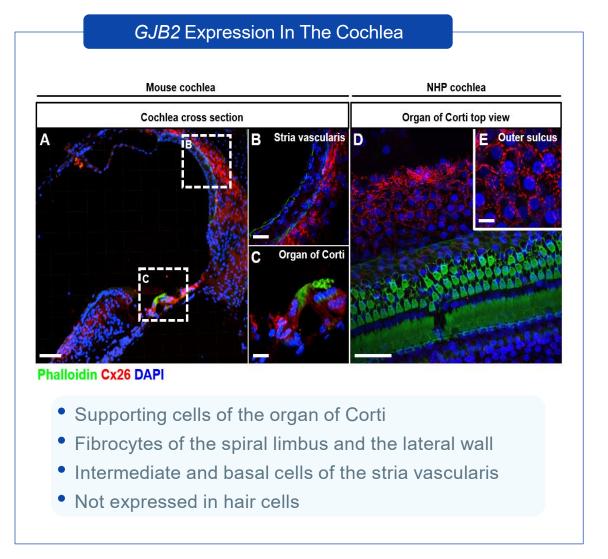
Mutations In The *GJB2* gene Lead To Deafness

- Connexin 26 and Connexin 30 proteins are the dominating connexins in the cochlea; heteromeric or heterotypic hexamers forming Gap Junctions
- Gap Junctions are key for the intercellular exchange of molecules (miRNA, glucose, ions, etc.) hence responsible for tissue homeostasis
- More than 100 recessive mutations origin Cx26 truncation / deletion leading to non-syndromic hearing loss and deafness, most are addressable via gene replacement

Severity of hearing loss correlates with degree of loss of *GJB2* function



Schematic representation of a gap junction – adapted from Kemperman, Hoefsloot and Cremers J R Soc Med 2002;95; 171-177



Lead Candidate Was Selected To Answer Specific Development Criteria

CRITERIA	LEAD CANDIDATE
Natural and synthetic AAV capsid libraries screening for broad coverage of target cells	
Expression cassette design for high-level of target cells transduction, correct cellular localization, active gap-junctions	
Avoiding off-target expression (i.e. hair cells): promoter and regulatory sequences design	
Limited off-target tissue biodistribution	
Surgical approach developed and mastered by ENT surgeons	

Our Lead Candidate Was Designed to Ensure Broad Coverage of Relevant Cochlear Cells While Detargeting Hair Cells

GERCs

Lead Candidate Can Deliver Connexin 26 In The Appropriate Target Cells

25 μm

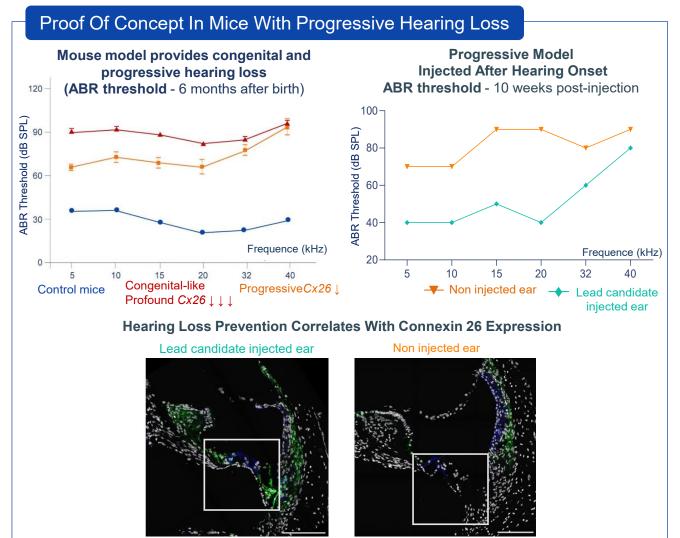
Correct Delivery Of Connexin 26 Using Lead Candidate Flag In Non-Human Primate Cochlea Organ of Corti top vie **Cell Types** Claudius Cells **Deiters Cells** Great Epithelial Ridge Cells Hensen Cells Inner Border Cells **HCs** Inner Hair Cells Inner Phalangeal Cells **OHCs** Pilar Cells Lateral Epithelial Ridge Cells **Organ of Corti Outer Hair Cells** Fibrocytes **GERCs** Stria Vascularis LERCs No expression in Hair Cells confirmed IBCs/IPhCs No morphological defects observed 3 and

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B Orthogonal view

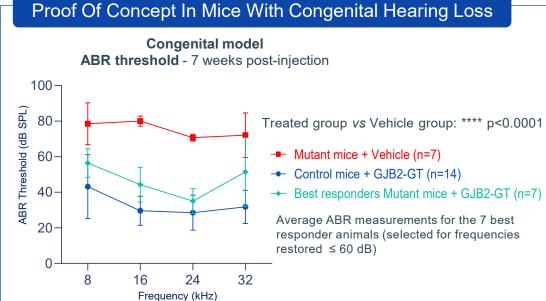
9 weeks after intracochlear administration

Lead Candidate Prevents Hearing Loss In Relevant Mouse Model



Left: Green staining demonstrates efficient Cx26 re-expression in target cells, which

are otherwise depleted (right) in Cx26 in the GJB2 deficient model



- In progressive model: ongoing work indicates that hearing loss prevention correlates with Connexin 26 re-expression in target cells
- In congenital model: ongoing studies indicate that lead candidate GJB2-GT induced a statistically significant hearing recovery
 - as early as 3 weeks after injection
 - evidence of dose-response

Tran Van Ba et al., ESGCT 2024 (link)

More efficacy data on two additional models: *GJB2* gene therapy-response of two pre-clinical mouse models of the most frequent form of human deafness, DFNB1. Heritier et al., ESGCT 2024 (link)

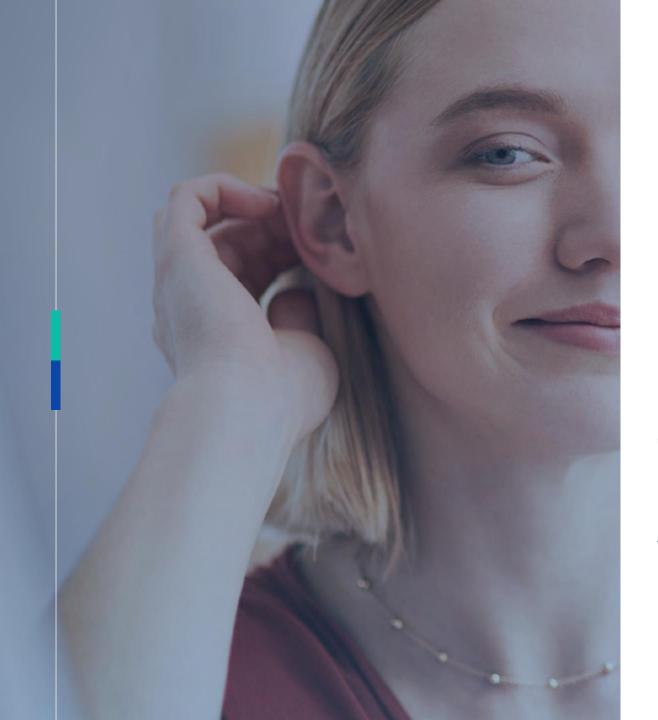
GJB2-GTProgram Status

Ongoing European Natural History Study OTOCONEX

Ongoing Natural History Study with Sonova SONG Update on
Additional
PoC Efficacy
and Safety Data
Oct 2024
(ESGCT)

IND/CTA Enabling Studies

Clinical Trial Applications Q1 2026



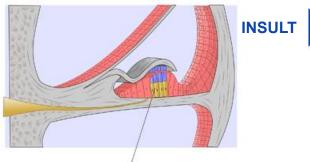
3

SENS-401 PROGRAMS

Multiple Indications To Treat And Prevent Hearing Loss

Mechanism Of Action

Cochlea cross section



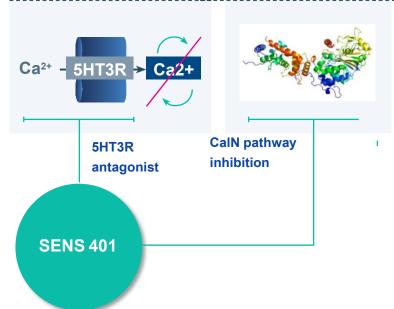
Spiral organ of Corti

Trauma to inner ear can occur after cochlear implantation, exposure to loud noise or infection, head trauma or administration of ototoxic drugs

SENS-401 is the **(R)-enantiomer of Azasetron** belonging to the
class of selective 5-HT3 Receptor
(5-HT3R) antagonists with a
calcineurin inhibition action

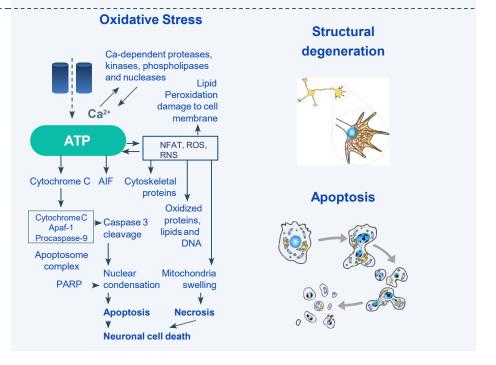


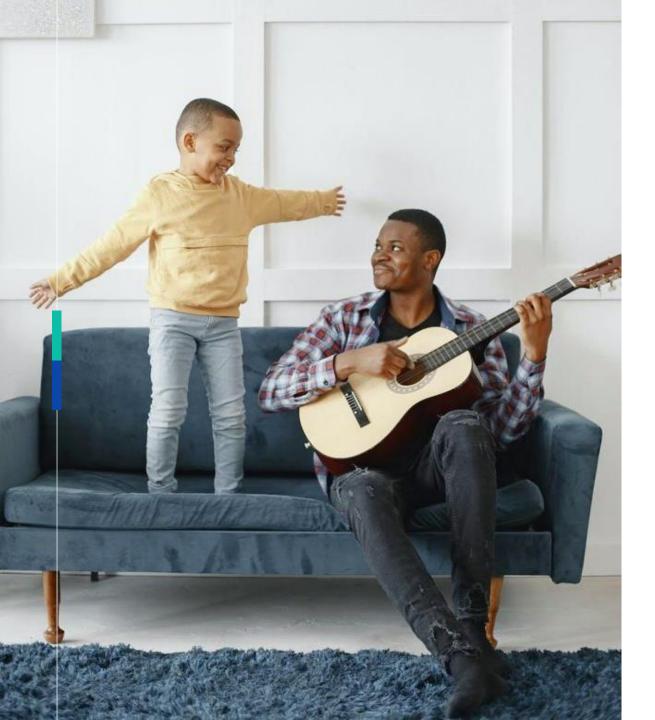
Calcineurin Activation



Neurodegenerative cascades

- NFAT translocation: oxidative stress, survival, inflammation pathways
- Cell death pathways: BAD, mPTP, AIF, caspases activation
- Structural degeneration, swelling, synaptic uncoupling





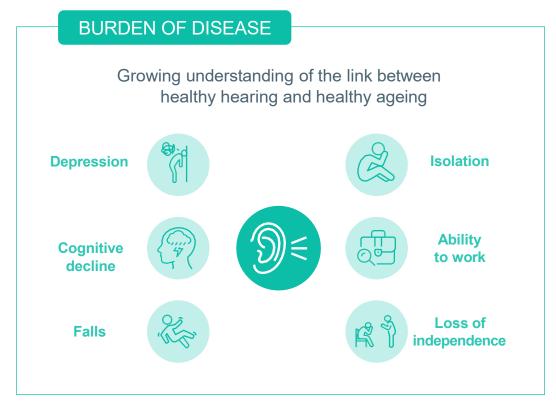
3.1

SENS-401 CI

Preservation Of Residual Hearing Following Cochlear Implantation

CI SENS-401 To Preserve Residual Hearing After Cochlear Implantation

COMBINATION OF COCHLEAR IMPLANT WITH SENS-401 TO PREVENT CELL-DEATH POST COCHLEAR IMPLANT PROCEDURE



Source: Cochlear® 2018 investor day (link)

KEY FIGURES

80,000

Implants sold globally in 2024¹

\$1.8bn

Cochlear implant market in 2020²

3%

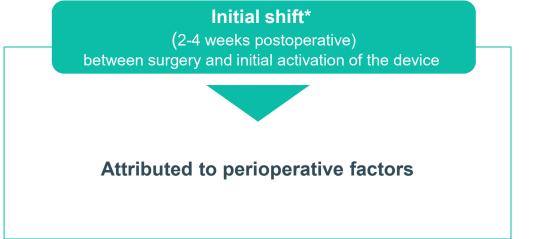
Market penetration in adults eligible to CI in developed markets¹

^{1.} Cochlear ® FY24 Result Presentation (link)

^{2.} Global Hearing, the highest growth hearing market, a primer on cochlear implants, Bernstein 2023

C

Residual Low Frequency Hearing Benefits For Cochlear Implant Users





Postoperative hearing preservation defined as: unaided air-conduction thresholds < 85 dB HL at 125, 250, and 500 Hz

CI

Primary Endpoint of The Phase 2a Clinical Study For Residual Hearing Preservation Has Been Met

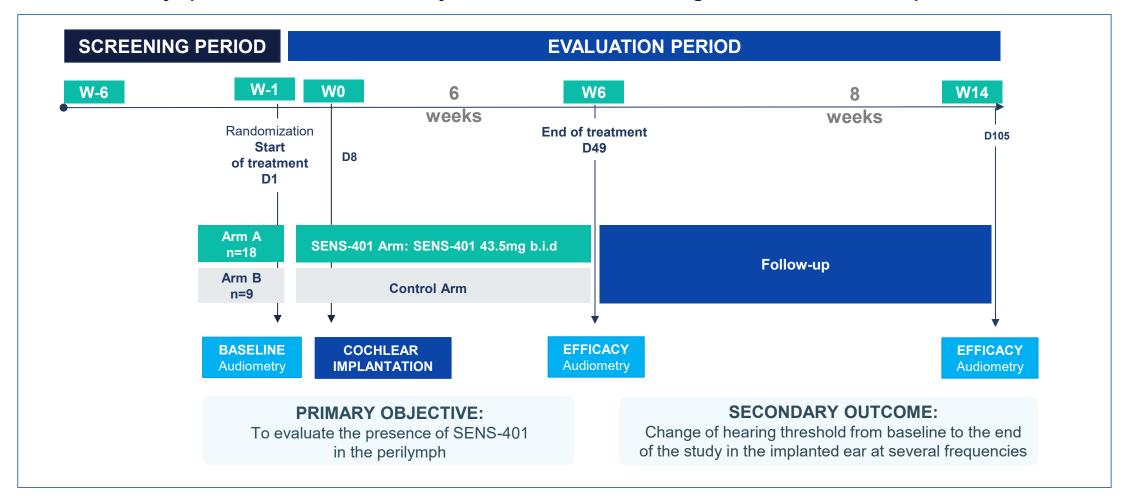
Perilym	ph Concentrations Data	
		Treated with SENS-401 (n=16) n (%)
	SENS-401 levels ≤ LLOQ	0
	SENS-401 levels > LLOQ	14*(100)
	*Among the 16 participants who underwent surgery, 15 have a perilymph samples and 14 samples were analyzable *LLOQ define by a specific method developed for SENS-401	

- Presence of SENS-401 in the perilymph is confirmed in 100% of the patients sampled following cochlear implantation
- These results confirm that SENS-401 administered orally crosses the labyrinth barrier

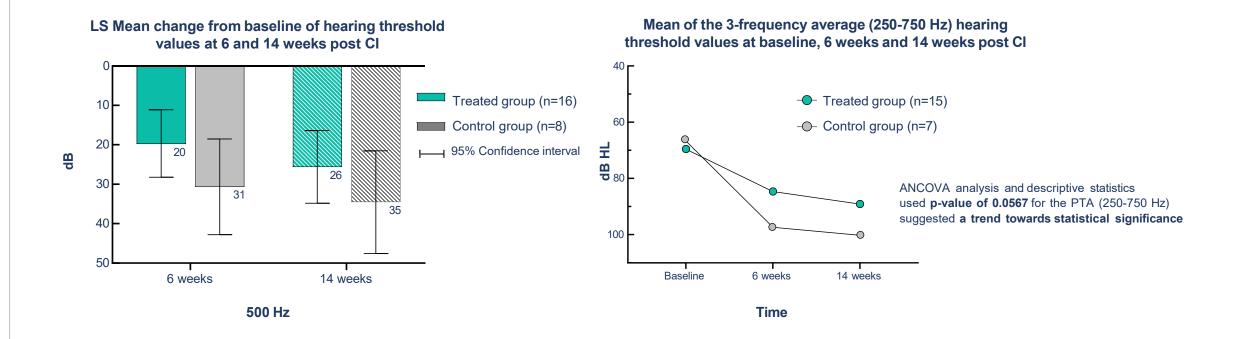
CI SENS-401 CI Study Design - Study Completed



A Phase 2a, Multicenter, Randomized, Controlled, Open-label Study to Evaluate the Presence of SENS-401 in the Perilymph and to Assess Its Efficacy to Prevent Residual Hearing Loss After Cochlear Implantation

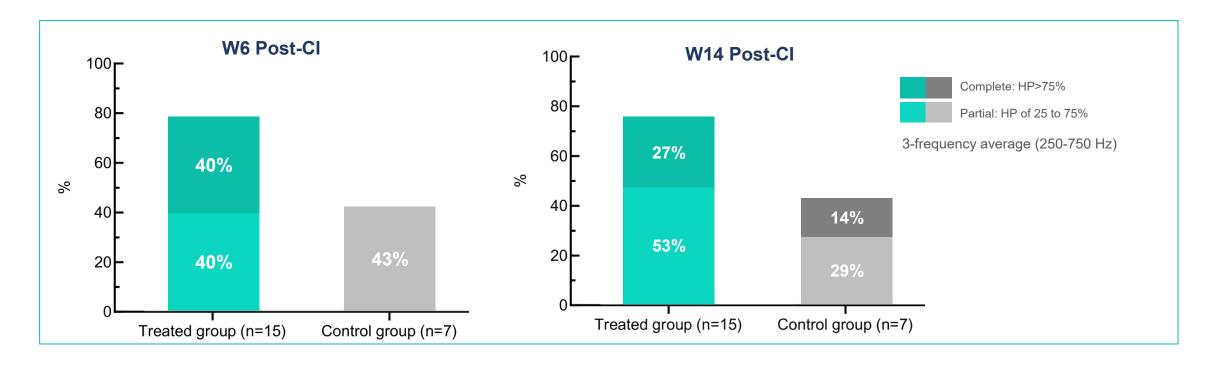


CI SENS-401 Provides Hearing Protection 6 & 14 Weeks Post-Cochlear Implantation



- Residual hearing loss is lower in patients treated with SENS-401 compared to control group 6 weeks after cochlear implantation
- This preservation effect is maintained 8 weeks after SENS-401 discontinuation (14 weeks post-CI)

SENS-401 Provides Residual Hearing Preservation* 6 & 14 Weeks Post-Cochlear Implantation



- Patients in the SENS-401 treated group are twice as likely to show complete or partial hearing preservation compared to control group after 7 weeks
 of continuous treatment
- Only SENS-401 treated group show a complete hearing preservation with 40% of treated patients compared to 0% in the control group at 6 weeks post-Cl
- These results are maintained 8 weeks after SENS-401 discontinuation (14 weeks post-CI)

^{*}Skarzynski H, van de Heyning P, Agrawal S, Arauz SL, Atlas M, Baumgartner W, et al. Towards a consensus on a hearing preservation classification system. Acta Otolaryngol Suppl. 2013(564):3-13. Copyright by **Sensorion** - 2025 - All Rights Reserved

CI SENS-401 CI Final Results - Conclusion



SENS-401 can cross the labyrinthine barrier to target cochlear hair cells in all patients sampled, confirming primary endpoint is met. SENS-401, present in the perilymph fluid, reaches concentrations that are pharmacologically active.



A **complete hearing preservation** is exclusively observed in 40% of patients treated with SENS-401 at 6 weeks post cochlear implantation.



Eight weeks after discontinuation of SENS-401, the hearing protective effect is maintained.



Residual hearing loss is reduced in the SENS-401 treated group compared to the untreated group at 6 weeks post-cochlear implantation.



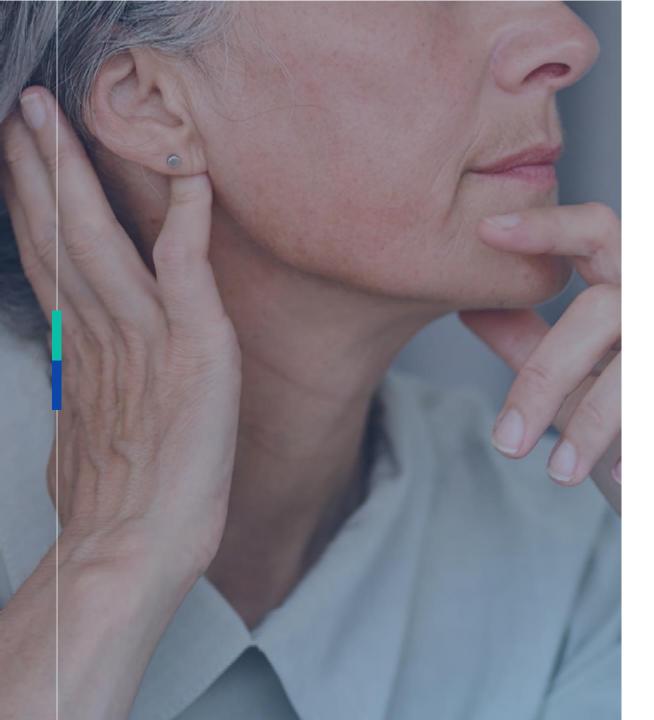
SENS-401 taken for 8 weeks confirms it has a good safety profile.



SENS- 401 has the potential to modify the outcome of CI while preserving residual hearing by improving speech perception in quiet and noise, music perception, spatial localization and maintaining more natural sound quality.



These results support the SSNHL phase 2 data and further development of SENS-401.



3.2

SENS-401 CIO

Prevention Of Cisplatin-Induced Ototoxicity

Cisplatin Administration For Chemotherapies Damages The Inner Ear And Leads To Hearing Loss, Tinnitus And Dizziness

WHAT IS CIO?

Hearing loss caused by cisplatin administration as chemotherapeutic treatment.

Risk factors include young age as well as individual and cumulative cisplatin doses.

CIO leads to permanent inner ear problems in 40-60%¹ of adult cases and up to 90% of pediatric cases.

These complications significantly impact patients' quality of life due to:

- Hearing loss, tinnitus and dizziness impacting daily life activities
- Problems in language acquisition and learning for pediatric patients
- Difficulties in communicating, social isolation, cognitive decline

Potential treatments must not interfere with cisplatin efficacy.

Number of total treated patients by Cisplatin per year: 1 140 000 in G7 countries²

¹ JCO Oncology practice, ASCO, volume 19, Issue 5/ CIO: a concise review of the burden, prevention and interception strategies, May 2024 Chattaraj ² Globocan 24

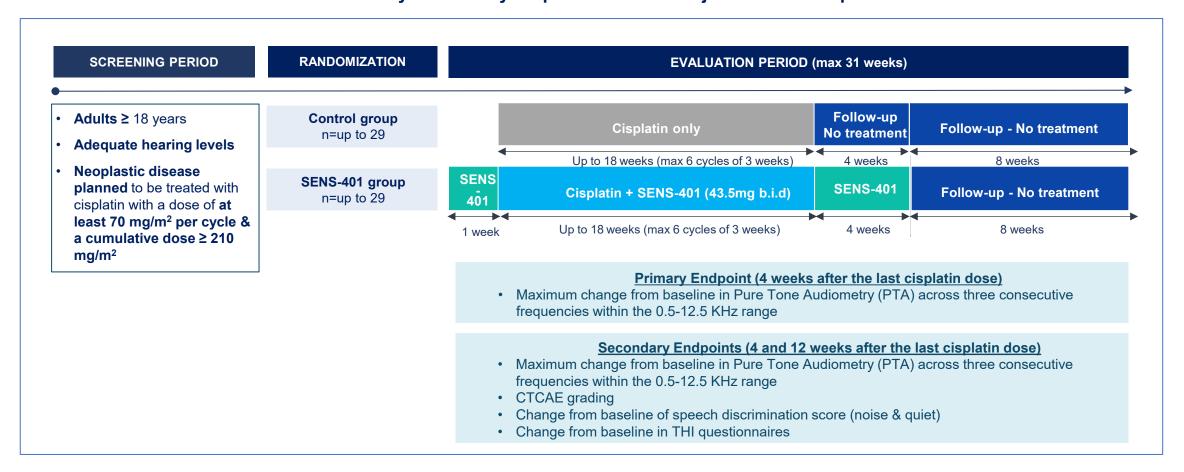




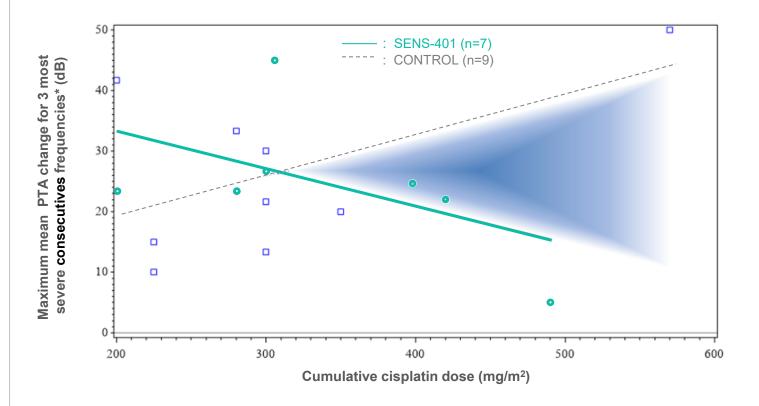


SENS-401 Phase 2a Proof-Of-Concept Study NOTOXIS Recruitment Completed – Positive Preliminary Safety Data

A Phase 2a, Multicenter, Randomized, Controlled, Open-label Study to Evaluate the Efficacy of SENS-401 to Prevent the Ototoxicity Induced by Cisplatin in Adult Subjects with a Neoplastic Disease



Preliminary Results Show Patients With High Exposure To Cisplatin May Benefit The Most From SENS-401's Otoprotective Effects



Groups	n	Variables	Mean	SD
Control	9	Cisplatin dose	305	110.0
		PTA change	26	13.6
SENS-401	7	Cisplatin dose	342	98.7
		PTA change	24	11.7

- SENS-401 subjects were exposed to significantly more cisplatin than control
- Hearing loss is similar between SENS-401 and control group

- As the cumulative dose of cisplatin increases, severity of ototoxicity observed in the control group escalates *r*=0.42
- Benefit of SENS-401 increases with higher cisplatin doses
- SENS-401 treatment group outperforms the control group at cisplatin doses > 300 mg/m²

Key Takeaways From Preliminary Study Data



Cumulative dose of cisplatin is a key factor of ototoxicity severity.



SENS-401 has a **favorable safety profile** when administered continuously for up to **23 weeks** in adult patients undergoing cisplatin-based chemotherapy.



Based on preliminary data, **no significant difference** observed on ototoxicity measured by **PTA change** or CTCAE grading, **however SENS-401 treated group received higher cumulative dose of cisplatin compared to control.**



Patients with higher exposure to cisplatin may benefit the most from SENS-401's otoprotective effect.



The preliminary results suggest a trend toward an otoprotective effect of SENS-401 beyond a cisplatin dose of 300 mg/m².



Recruitment completed; 48 patients randomized; follow-up ongoing

CI & CIO SENS-401 Programs Status

SENS-401 with cochlear implants

Full Data Readout Sept 20, 2024

SENS-401 CIO NOTOXIS

Preliminary Safety and Efficacy Data SENS-401 with cochlear implants
Final Results

SENS-401 NOTOXIS
End of Enrollment H1 2025 SENS-401 NOTOXIS
Topline Data
End of H2 2025

Sensorion Newsflow [Estimated Timelines]

SENS-501 Gene Therapy Program

Data Monitoring Committee
Following Cohort 1 and 2 recruitment completion

GJB2-GT Program

Q1 2026Clinical Trial Applications

SENS-401 Program

H2 2025CIO NOTOXIS: Topline Data

Sensorion

Conclusion





 Developing hearing loss therapeutics to treat, prevent and restore hearing – an area of high unmet clinical need



 Combining extensive internal capabilities with world-leading exclusive partnerships



 Advancing a robust and diversified pipeline with multiple upcoming milestones in 2025

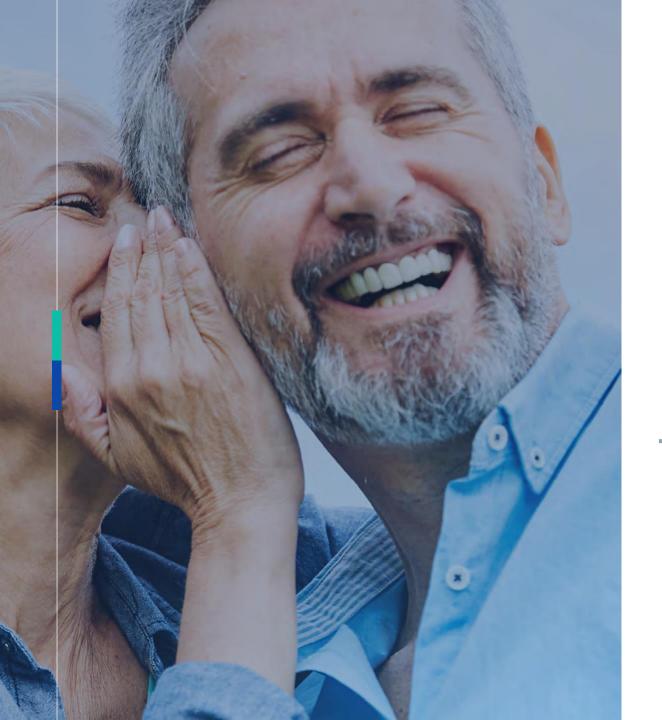


- DMC, following Cohort 1 and 2 recruitment completion in Audiogene
- SENS-401 CIO Ph2a topline data by end of H2 25
- Clinical Trial Application for GJB2-GT in Q1 2026



THANK YOU

E:contact@sensorion-pharma.com



HEARING LOSS

Access And Clarity Are Mandatory For Optimal Outcomes

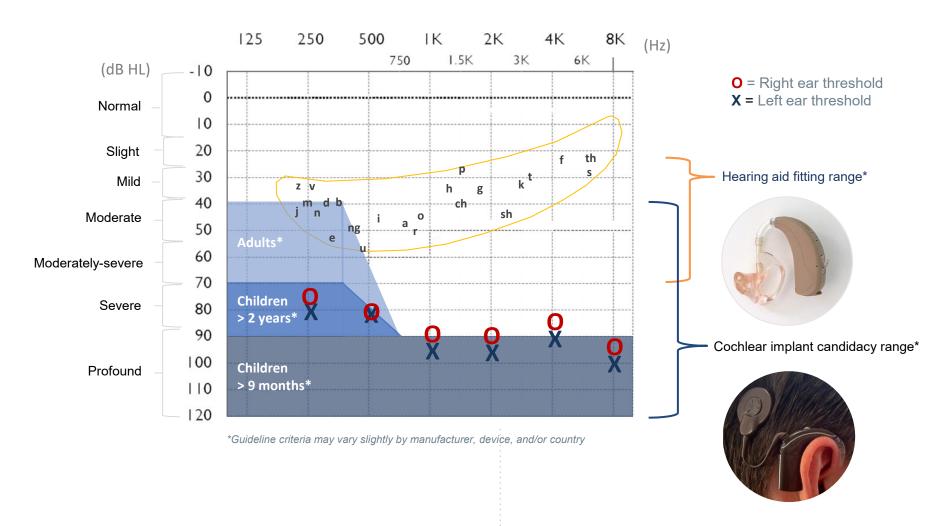
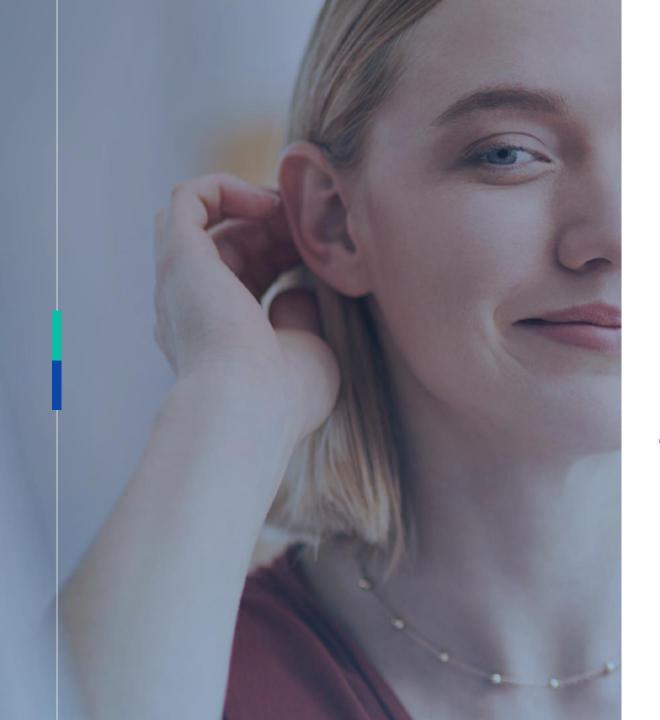


Image of hearing aid: https://commons.wikimedia.org/wiki/File:Unitron_Ziel_photo_2.jpg
Image of cochlear implant sound processor on ear: https://commons.wikimedia.org/wiki/File:Cochlear_Nucleus%C2%AE_7_Sound_Processor.jpg
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Internal Capabilities

We Have Established Internal Capabilities To Ensure Successful Execution



PRECLINICAL -SMALL MOLECULES & GT PROGRAMS

- Audiology, inner ear surgery and drug administration expertise in preclinical models
- Technology&Innovation Platform: assay development and gene therapy vectors design
- Cell Model and Animal Pharmacology Platforms: from target & drug discovery, to POC/dosefinding studies in disease-relevant models



CLINICAL EXPERIENCE

- 600 subjects enrolled in Sensorion led clinical trials
- Set-up audio tests in different countries, languages
- In-house audiology expertise of more than 20 years for the pediatric and adult populations and cochlear implants
- Development of gene therapy products in several rare diseases



CMC GENE THERAPY FACILITIES

- Process development: non-GMP manufacturing from small scale up to 50L in bioreactor
- Analytical development: development of product-specific analytical methods, in-house generic assays to support process development and AAV manufacturing



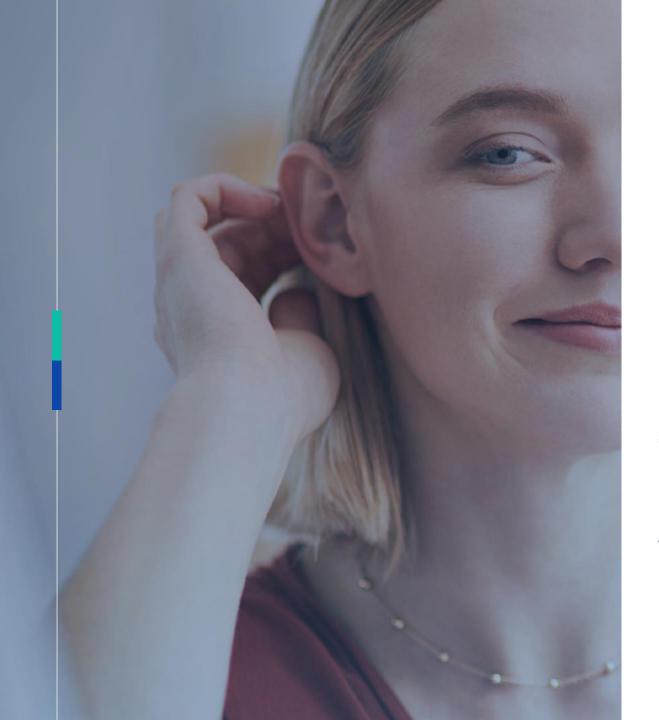
REGULATORY EXPERTISE

- Develop regulatory strategies to ensure expedited product development including gene therapy
- Regulatory Agencies interaction (EU/US)
- Shape the treatment guidelines and standardize clinical endpoints



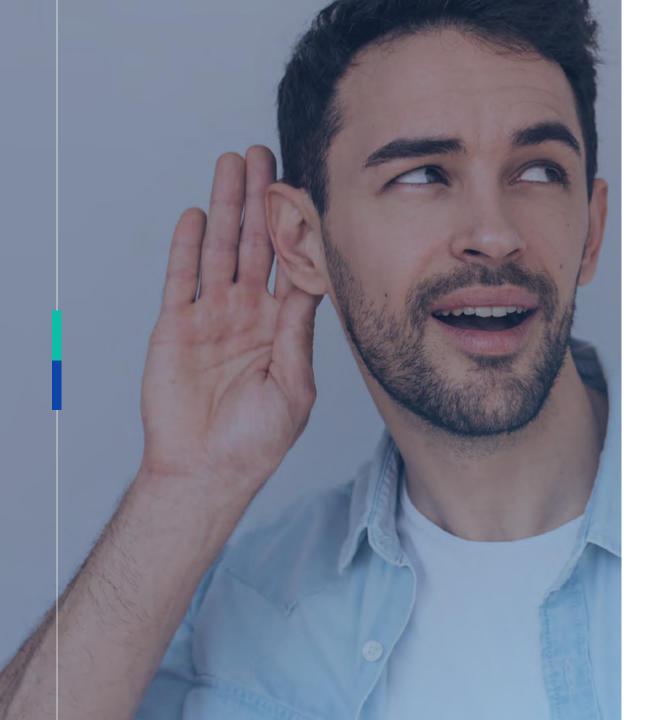
PATIENT ACCESS

- Working with prominent payers from the EU5
- Obtaining consultation about our early Clinical Development Program within EU and US
- Building capabilities crossfunctionally



SENS-401 PROGRAMS Back-Up

Multiple Indications To Treat And Prevent Hearing Loss



Sudden Sensorineural Hearing Loss

Sudden Sensorineural Hearing Loss (SSNHL) is a Severe Disease Affecting more than 200,000 Patients Per Year

WHAT IS SSNHL?

The sudden onset of a significant hearing loss due to dysfunction of the cells of the cochlea and central auditory structures.

Hearing loss develops over less than 72 hrs, hearing sensitivity is reduced by at least 30 dB (1,000 fold) in the affected ear(s).

>90%¹ of cases are idiopathic, known causes include noise/head trauma, ischemia, infection.

>33%² of patients suffer from permanent disabling hearing loss, mostly those with initial severe/profound hearing loss.

Complications significantly impact quality of life due to:

- Difficulties in communicating, social isolation, cognitive decline
- Accompanying tinnitus

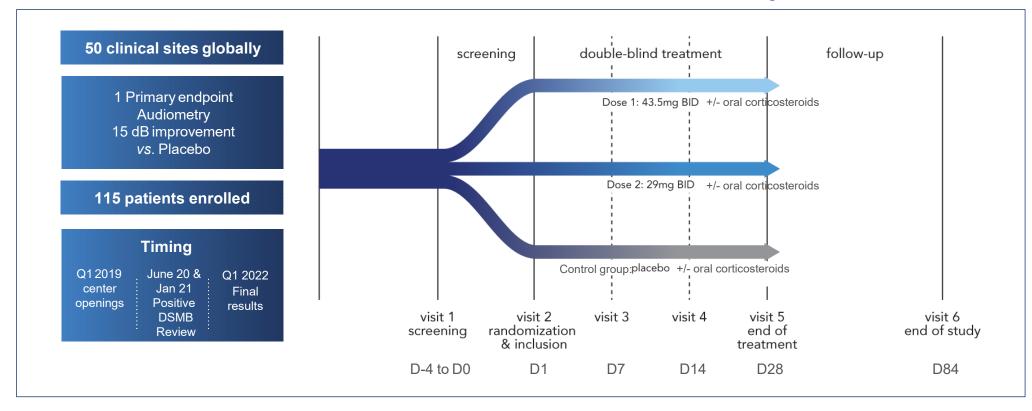
Incidence: 27-35 per $100,000^3$ to 160^4 per 100,000 e.g > 200,000 patients in 2017 in G7 countries⁵

- 1. American Academy of Otolaryngology-Head and Neck Surgery Foundation (AAO-HNSF) Clinical Practice Guidelines
- 2. Kearney Interviews
- 3. Incidence of SSNHL OTOL Neurotol. 2013 Dec, T. Alexander & J. Harris, OTOL Neurotol
- 4. A present investigation of the epidemiology in idiopathic sudden sensorineural hearing loss] [Article in German] E Klemm 1, A Deutscher, R Mösges
- 5. Company estimates based on publicly available data (in the US, Japan, Germany, France, the UK, Italy and Spain) Copyright by **Sensorion** 2025 All Rights Reserved



AUDIBLE-S Phase 2 Design

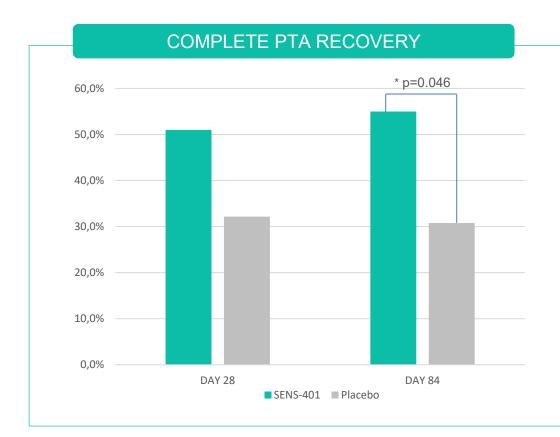
A Phase 2b, Multicenter, Randomized, Controlled, Double-blind Study to Evaluate the Efficacy of SENS-401 to Treat Patients with Severe to Profound Sudden Sensorineural Hearing Loss



Primary endpoint definition:

"...change in pure tone audiometry (PTA); average of the hearing threshold of 3 contiguous most affected hearing frequencies in decibels in the affected ear from baseline to the end of treatment visit (Visit 5/D28±3)"

SENS-401 Induces Complete PTA Recovery In 50% Of Patients



Complete PTA recovery (n/n total)	Placebo	SENS-401 (2 doses pooled*)
Day 28	9/28	25/49
Day 84	8/26	22/40

*As SENS-401 plasmatic concentration is similar for the two tested doses, the results have been pooled.

- Complete hearing recovery is defined as patients with hearing loss at baseline who will revert to PTA < 20 dB, considered as "normal" hearing
- SENS-401 is statistically superior to placebo at Day 84 (p<0.05)

Phase 2 Results Summary



Complete PTA recovery is achieved in 50% of the SENS-401 treated patients.



SENS-401 shows a clinically meaningful and statistically significant effect on PTA change (at least 10 dB) over time in a large homogeneous idiopathic population of patients treated with corticosteroids.



SENS-401 induces a significative PTA change of at least 19 dB at day 28 and up to 25 dB at Day 84 allowing a reduction of the hearing loss degree from profound to mild, in large profound hearing loss sub-group.



A better response was observed in both treatment groups with a **continuous improvement between Day 28 and Day 84.**



The change in PTA translates into functional improvement evidenced with speech audiometry tests.



Responder rate is always better in the treated group compared to placebo and difference with placebo increases over time.



Safe and well tolerated in 115-patient SSNHL study; although primary endpoint not met data supports and informs further clinical development.