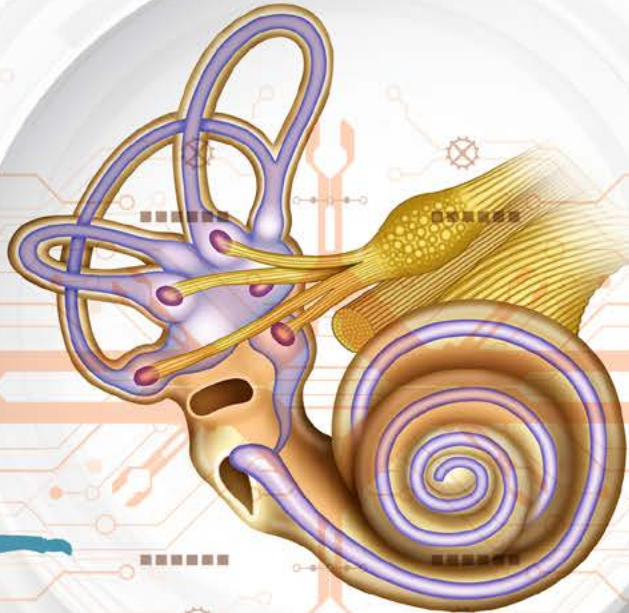




# 1<sup>st</sup> VIRTM

Vestibular Implant and Related  
Technologies Meeting

April 16, 2021



SECOND ANNOUNCEMENT

SERENASLive  
[www.virtm.serenaslive.com](http://www.virtm.serenaslive.com)

15-18 APRIL  
THE WORLD AWARENESS DAYS  
FOR VESTIBULAR DISEASES





# Vestibular Implant and Related Technologies Meeting

April 16, 2021

## INVITATION

The vestibular implant technology is experiencing a revolution similar to the cochlear implant 40 years ago. This is demonstrated by an increase in investment in research and the fact that more and more scientists are becoming involved in this area.

From a clinical point of view, it is seen that this technology can represent a revolution in the treatment of vestibular dysfunction, assuming a high impact on the quality of life of patients and many other benefits.

The main objective of this meeting is to show the current status of the vestibular implants by different research groups as well as alternatives for the treatment and rehabilitation of vestibular pathology.

The main topics will be:

- Physiology of the vestibular system
- Development of vestibular implant
- Planning and surgery of the vestibular implant
- Systems for evaluation of implanted patients
- Intra-operative monitoring
- New technologies on vestibular rehabilitation
- Update of scientific results of different research groups

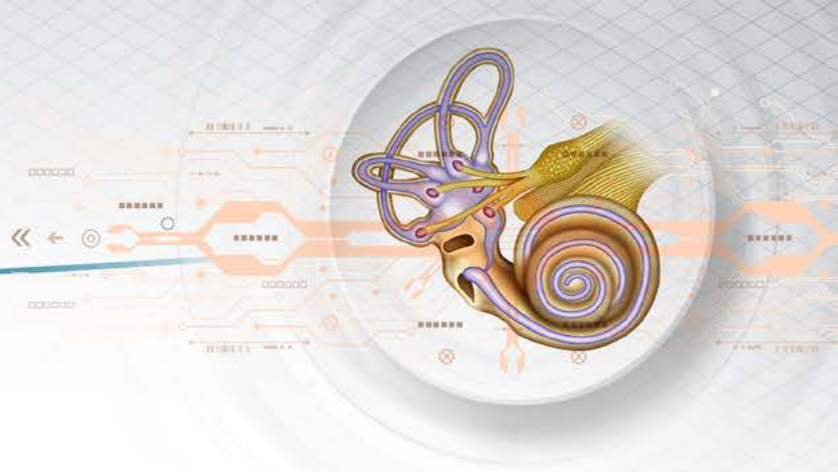
VIRT™ is organized online with three types of communications: lectures, sessions and round tables.

Renowned researchers on the subject will conduct the sessions. In each session, different aspects of vestibular dysfunction and the impact of electrical stimulation will be discussed.

The round tables are made up of a moderator and several panelists where various topics will be discussed in a question and answer format. The objective is to know the different points of view of the participants from different research teams on different specific questions.

During the sessions and round tables, an online question form will be enabled for the audience to be involved in the discussion.





## ORGANIZING COMMITTEE



**Nuri Özgirgin**  
Honorary Chairman



**Angel Ramos de Miguel**  
President



**Morgana Sluydts**  
Co-Chairman



**Robby Vanspauwen**  
Co-Chairman

## ADVISORY BOARD



**Prof. Angel Ramos Macias**



**Prof. Andrzej Zarowski**



**Prof. Maurizio Barbara**



**Prof. Manuel Manrique**

## ORGANIZATION INSTITUTION

The seminar will be organized under the VAI auspices

**International Vestibular Society**

<http://www.intvest.org>



**Vertigo Academy International**



## ORGANIZATION

Online Event Powered By



## CORRESPONDANCE

Online Event Organizing Secretariat



**Serenas International Tourism Congress Organization Inc.**  
Turan Güneş Bulvarı 5. Cadde No: 13 06550 Yıldız, Çankaya-Ankara, TURKEY  
**Phone:** +90 312 440 50 11  
**e-mail:** [virtm@serenas.com.tr](mailto:virtm@serenas.com.tr)

**SERENAS Live**



# Vestibular Implant and Related Technologies Meeting

April 16, 2021

## FACULTY LIST

Name	Surname	Country
Maurizio	Barbara	Italy
Ian	Curthoys	Australia
Sharon	Cushing	Canada
Soumit	Dasgupta	UK
Karen	Gordon	Canada
Nils	Guinand	Switzerland
Herman	Kingma	The Netherlands
Manuel	Manrique	Spain
Nuri	Özgirgin	Turkey
Nicolas	Perez Fernandez	Spain
Angelica	Perez Fornos	Switzerland
James O	Phillips	USA
Angel	Ramos de Miguel	Spain
Ángel	Ramos Macías	Spain
Isaura	Rodriguez	Spain
Christopher	Smith	USA
Raymond	Van de Berg	The Netherlands
Andrej	Zarowski	Belgium

## Supporting Institutions

We would like to thank all of our supporters who have made this virtual meeting possible.

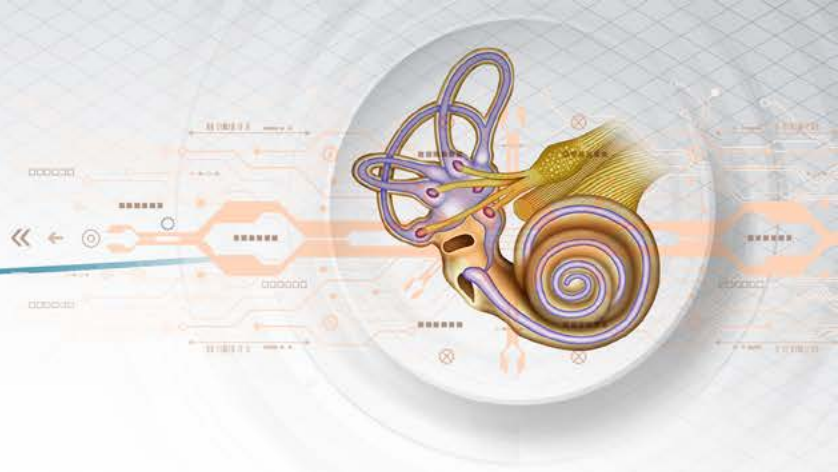
Cochlear



Medel



\* Company names are listed in **alphabetical order**



## DRAFT SCIENTIFIC PROGRAM

### Invited Lectures

25 min each Questions included

A history of vestibular medicine - promenade through millennia

Speaker: Soumit Dasgupta

Otolith Organ Physiology

Speaker: Ian Curthoys

### Plenary Sessions

60min - 15min each + 3 minutes for questions after each presentation

Vestibular Implants Today

Chairman: Maurizio Barbara

Vestibular Implant Criteria

Raymond van de Berg

Bionic\VEST - Otolith Vestibular Implant

Ángel Ramos Macías

Vestibular Disorders in Children (and treatment)

Sharon Cushing

Possible alternatives for the VI when patients do not meet the implantation criteria

Chairman: Robby Vanspauwen

Vestibular Rehabilitation

Nuri Ozgirgin

BalanCI

Karen Gordon

Vibrotactile Stimulation with the Balance Belt

Herman Kingma



# Vestibular Implant and Related Technologies Meeting

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## Round Table

Presentation of 10 minutes for each participant – questions during discussion

Application of the Vestibular Implant what have we learned until now?.

40 minutes of presentations and 20 minutes of discussion

Moderator: Nicolas Perez

Participants: Ángel Ramos Macías , Herman Kingma, James Philips

Surgical procedure and intra-operative recordings for a Vestibular Implantation

30 minutes of presentations and 15 minutes of discussion

Moderator - Andrzej Zarowski

Participants – Manuel Manrique, Nils Guinand, Isaura Rodriguez

Future expectations of VI research

40 minutes of presentations and 20 minutes of discussion

Moderator – Angelica Perez Fornos

Participants – Ángel Ramos de Miguel, Raymond van de Berg, James Philips





## AGENDA

Friday	
8:45 - 9:00 CET Time	Opening
9:00 - 9:25 CET Time	Pioneers in Vestibular Research
9:35 - 10:20 CET Time	Surgical procedure for a Vestibular Implantation
10:20 - 10:30 CET Time	Coffee Break
10:30 - 11:30 CET Time	Possible alternatives for the VI when patients do not meet the implantation criteria
11:35 - 12:00 CET Time	Otolith Organ Physiology
12:10 - 13:10 CET Time	Vestibular Implants Today
13:10 - 13:30 CET Time	LUNCH
13:30 - 14:30 CET Time	Application of the Vestibular Implant (chronic vs acute & rehab-tool vs medical device)
14:35 - 15:35 CET Time	Future expectations of VI research
15:35 - 15:40 CET Time	Coffee Break
15:40 - 15:55 EU Time	Closing by Nuri Özgirgin

	Invited Lecture
	Plenary Session
	Round Table



# Vestibular Implant and Related Technologies Meeting

April 16, 2021

## ABOUT THE VIRTUAL MEETING INFORMATION

**Due to COVID-19, the meeting will take place virtually from**  
[virtm.serenaslive.com](http://virtm.serenaslive.com)

You need to register via **virtm.serenaslive.com** in order to view online sessions and submit questions.

**Virtual Meeting Date:** April 16, 2021.

**Virtual Meeting Time:** Please note that time indicated in the program is expressed as CET.

**Official Language of Virtual Meeting:** Official language of the meeting and of correspondence is English. There will be no simultaneous translation.

**Virtual Meeting Registration:** Registration is free of charge.

**Certificate of Virtual Attendance:** The participants' attendance to the sessions will be monitored by Serenas Live. The participants who attend at least 50% of the sessions can request their certificate of participation from the kiosk at the Atrium after filling in the evaluation form.

**Viewing the Sessions:** You can click and enter the Meeting Room according to the schedule, view the sessions and ask questions to the speakers.

Depending on which internet browser you are using the sessions may start muted.

In this case, you can turn the sound on by clicking the speaker icon on the top of the video player.

The sessions will be streamed live over the internet, the viewing quality may vary depending on your internet service provider's infrastructure and your connection speed. You can change the live stream quality by clicking the cogwheel icon on the bottom right of the video player, so that you can choose the quality of your viewing and the data usage depending on quality.

While viewing on your mobile devices, the streaming quality will be determined automatically depending on the brand and operating system of your device and the viewing options might vary between Apple and Android devices.

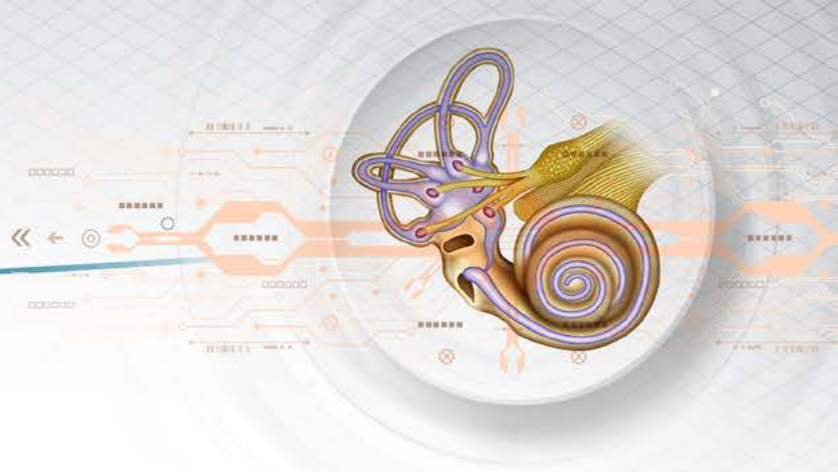
Regardless of whether you are using a computer, tablet or a mobile phone, you can click on the icon on the bottom right to view in full screen mode.

**Connection Requirements:** 1st VIRT™ requires active internet connection. Prior to joining the sessions, please check your internet connection.

Your internet speed is important for an uninterrupted and high-quality live stream experience. For the best viewing and streaming quality, a minimum of 7 Mbps download speed is recommended. Before the sessions, you can check your speed by clicking the link [www.testmy.net/download](http://www.testmy.net/download)

In case you are experience a slow connection please try to get closer to your modem. In case the problem persists, switch of your modem, wait for 1 minute then switch on again. If the problem is not solved, please contact your internet service provider and ask for a remote update for your modem which should provide better speed.





## HELP

**About Connection Requirements:** Your internet speed is important for an uninterrupted and high quality live stream experience. For the best viewing and streaming quality a minimum of 7 mbps download speed is recommended. Before the sessions, you can check your speed by clicking the link [www.testmy.net/download](http://www.testmy.net/download). You can increase your connection speed by getting closer to your modem or switching you modem off and on.

**Live Stream:** The video/audio quality and fluidity during the live stream depends on both the speakers' and the viewers' connections speeds. In case you experience outage or pause during the live stream, please refresh the page in your web browser.

**Audio Features:** Depending on the safety & security features of your internet browser, the live broadcast can start muted. In this case, please click the loudspeaker icon at the top of the video player screen in order to unmute.

During bi-lingual sessions, you can toggle between Turkish and English using the button "TR/EN" at the bottom of your video player for your desired choice of language.

**Video Quality Features:** The streaming quality is automatically regulated depending on your internet service provider's infrastructure and your connection speed. You can alter the live streaming quality using the cogwheel icon on the video player in the meeting room manually.

**Submitting Questions:** During the live broadcast you can direct your questions to the session moderators using the "Question Form" on the page.

**Voting:** Live broadcast presentations may include questions that the veiwers can vote on. In order to vote on the questions raised during the live broadcast, you can click on the "Vote" button at the bottom of the page. You can log on using "Chat as a guest" feature on the pop-up window to the chatroom and you can vote using the "Vote" option at the bottom of the chat window.



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