



REVOLUTION MADE IN ITALY

FEEL

THE STERNAL VIBRATOR IN  
THE REHABILITATION OF  
NEWBORN WITH DEEP  
HEARING LOSSES

# PRE-IMPLANT REHABILITATION PATH

In the period prior to the IC it is necessary to acquire the basics of listening

## CASCADE PROCESS

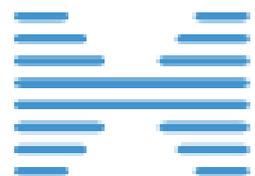
Awareness



Arousal



Detection

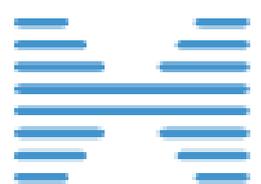


# HEARING TECHNOLOGY

Hearing aids



Sternal vibrator



# HEARING TECHNOLOGY

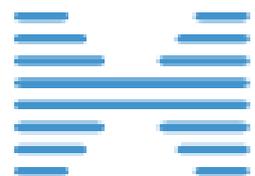
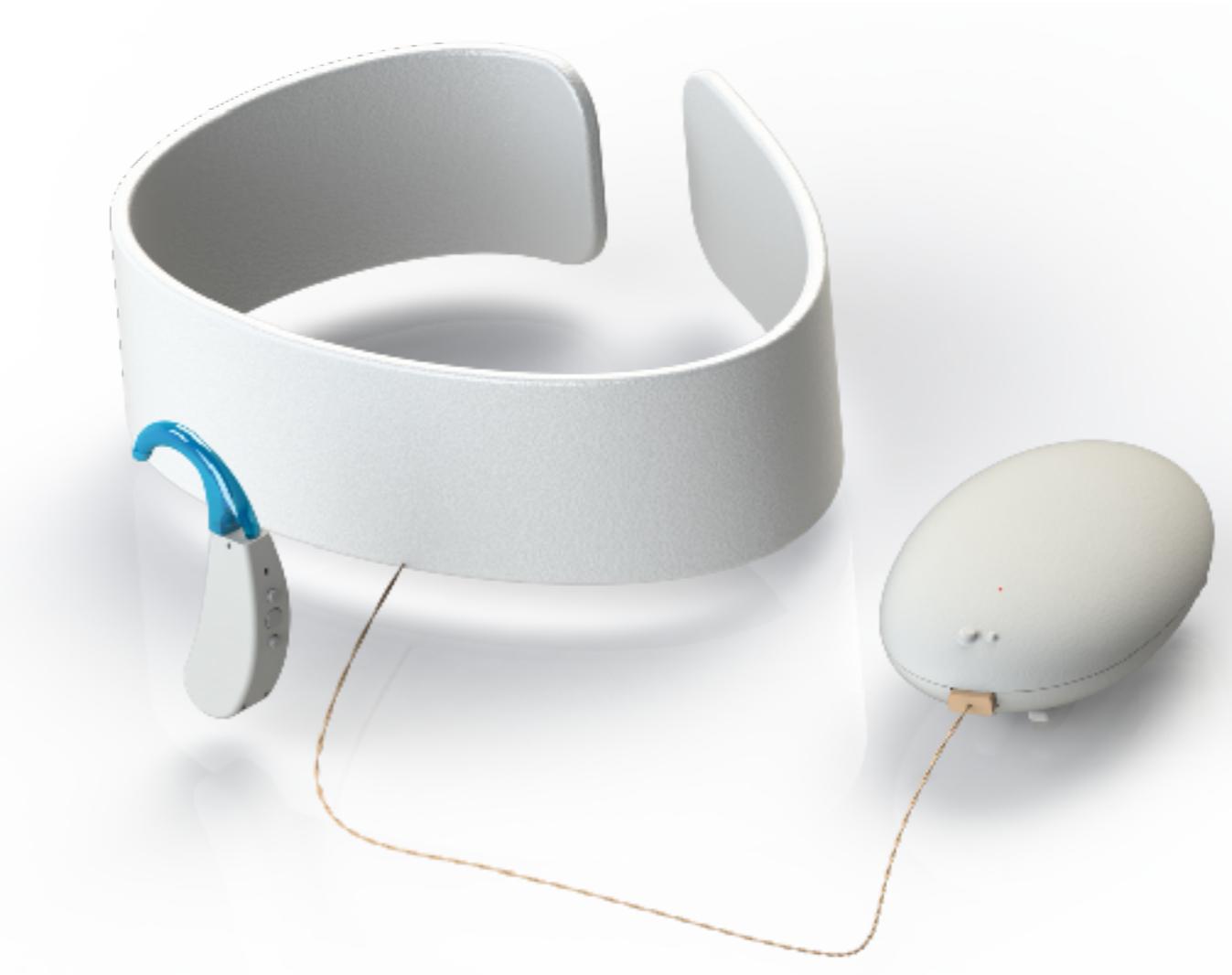
HEARING AIDS

+

STERNAL VIBRATOR



Activation of auditory pre-requisites  
at the base of listening

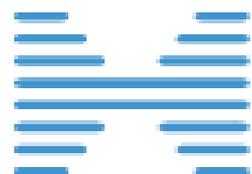


# REQUIREMENTS PRE-HEARING

**AWARENESS ( auditory alert) :**  
**awareness of the existence of the sound world**

**AROUSAL ( attention to the sound ) :** global response  
**of the organism to the presence of sound**

**DETECTION :** ability to understand if there is a  
**sound or not**



# STERNAL VIBRATOR



TACTAID VII



TACTAID II



TACTILATOR



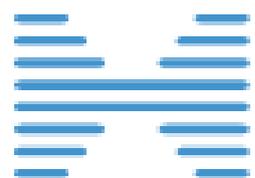
LTD



CORDELLE



FEEL



# STERNAL VIBRATOR

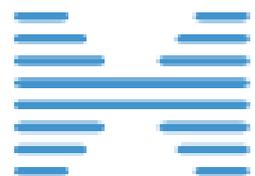
VIBROTACTILE  
DEVICE

*Feel unit*



STERNAL BAND

**It allows  
sound  
perception  
through  
vibrotactile  
stimulation**



# VIBRATOR EFFECT

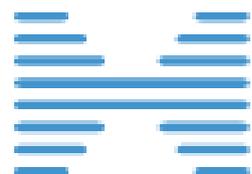
**The vibrator improves the detection threshold**



**Increased perception of prosodic traits and conversational voice**



**Awareness, arousal and detection are activated faster**

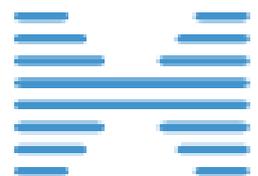


# CONCLUSIONS

**The vibrator is a fundamental prosthetic aid in deep deafness**

**The vibrator is an integral part of the prosthetic-cognitive method**

**Its use, associated with hearing aids, has the sole purpose of activating the auditory prerequisites of the cascade process that leads to an understanding**





**It is a made in Italy product, designed and assembled  
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