# Otis - the virtual patient

Autonomous Learning - Practice - Consolidation

## New quality standards in audiometry training

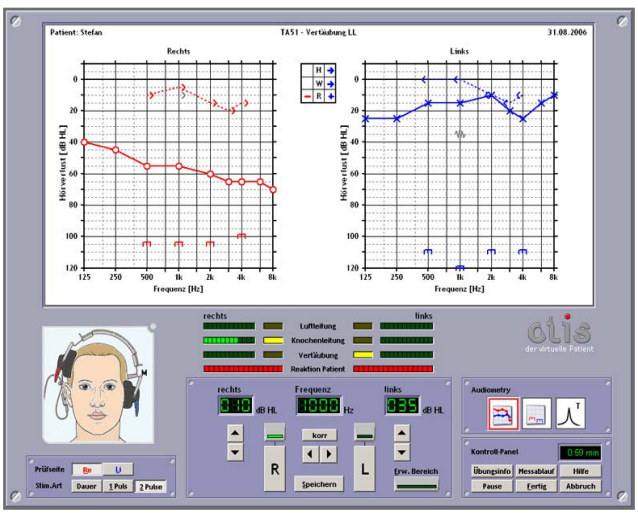
Otis – the virtual patient simulates a range of complex hearing defects so that correct audiometry can be administered without having to burden a patient at all. The software intelligently and realistically simulates the behaviour of the patient and detects possible user errors immediately. The program guides the learner through the exercises at several levels of difficulty and provides useful help.

## Cost-saving features

- Intensive autonomous training
- Less supervision during audiologist training
- More efficient measurements thanks to more routine
- Otis Pro can be used on any PC for training purposes

## Quality enhancing features

- Increased reliability when measuring complex hearing impairments
- Prevention of measurement errors
- Increased reliability and comfort for the patient due to training without hearing test participant
- Completely objective feedback
- Verifiable learning success through voluntary self-monitoring




*Virtual audiometer*

*"Audiometry is a matter of practice. Correct results can only be achieved with a great deal of practice and a feeling for the activity – and so beginners need a lot of training. That is what Otis – the virtual patient provides and a book doesn't."*

**Prof. Annette Limberger**

Aalen University
Germany

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# Fast facts

| | | Edition Student | Edition Pro | Edition Expert |
|---|---|---|---|---|
| **Learning functions** | | | | |
| Pure-tone audiometry | Hearing thresholds without/with masking | x | x | x |
| | Uncomfortable loudness levels | x | x | x |
| | Precise monitoring of the process / Direct feedback if errors made | x | x | x |
| Additional hearing tests | Tuning fork tests (Weber, Rinne) | x | x | x |
| | Otoscopy | x | x | x |
| | Tympanometry | x | x | x |
| | Medical history / Diagnosis | x | x | x |
| **Evaluation** | | | | |
| Overall evaluation | Display exercise evaluation | x | x | x |
| | Display exam evaluation | | | x |
| **Tutor functions** | | | | |
| Administration of patient profiles | Recording patient profiles with audiogram, tympanogram and oto-scopy images | | x | x |
| | Patients with pathologies | | | x |
| | Adjusting the cross-hearing values for different transducers | | | x |
| Exercise administration | Exercises of different types and at different levels | *1 | *1 | x |
| (adjustable parameters) | Individual configuration for monitoring the measuring procedure (Flowchart) | | | x |
| | Individual configuration for monitoring patient safety | | | x |
| | Individual configuration for checking for correct masking | | | x |
| | Automatic testing of non-masked hearing thresholds | x | x | x |
| *1 No self-check exercises without error indication | Export / Dispatch of exercises to learners | x | x | x |
| Exam administration | Defining exams via numerous parameters (see „Exercise administra-tion“) | | | x |
| **General** | | | | |
| Audiometric methods | Choice of different testing methods | x | x | x |
| | User-defined method | x | x | x |

# More information


Australian Distributor

SONIC EQUIPMENT

1800 639 263
info@soniceq.com
soniceq.com


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