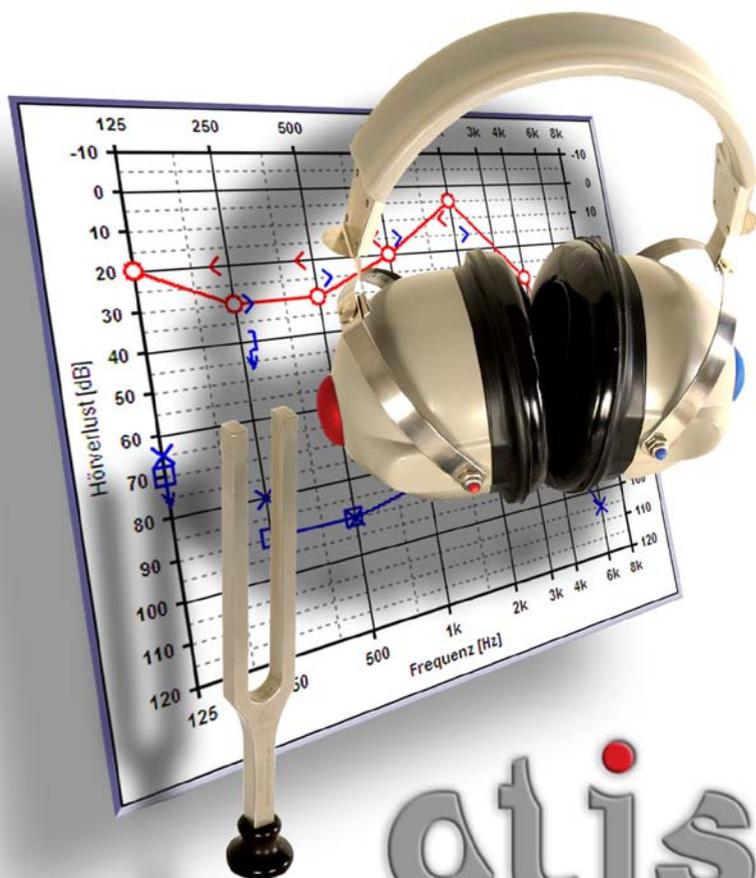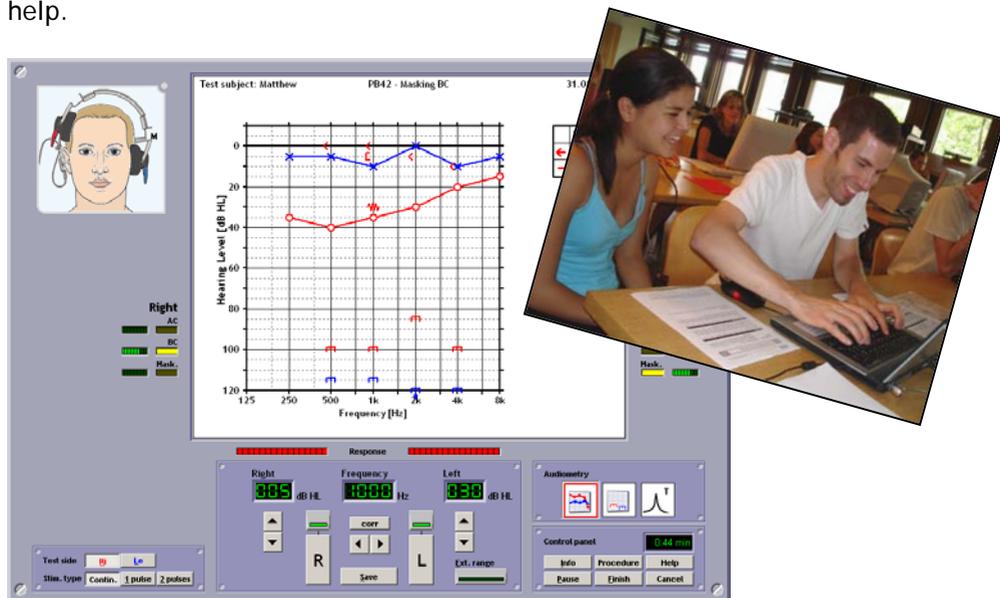# Audiometry Training with Virtual Patients

Autonomous
Learning - Practice - Consolidation

atis

the virtual patient

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.

Virtual audiometer and impressions of audiometry training

Otis shortens the time needed for training, as all types of hearing impairment can be simulated for audiometry testing at any time. In this way, proficiency in procedures can be improved, and the skills acquired can be put into practice significantly faster.

Using the program, experienced practitioners also have the opportunity to acquire routine in working with complex hearing impairments, thus decisively increasing client safety. The integration of autonomous learning concepts allows learners to work simply and efficiently wherever they are, and thus make best use of their time.

Setting new standards in audiometry training, this software was developed in close cooperation with consultants at the Aston University in Birmingham, the University Hospital in Zürich and the Academy for Hearing Aid Acoustics in Lübeck. *Otis* set up completely new quality standards which are now used successfully for training and assessment in more than 20 countries.

Otis Pro

The *Pro Edition* of *Otis – the virtual patient* has been specially developed for medical practices and private hearing aid dispensers.
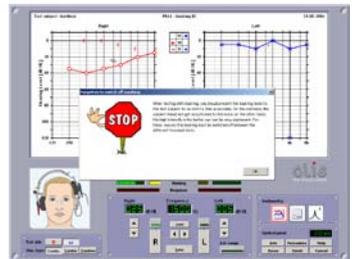
Conducting complex hearing tests requires a high level of training and continuing professional development in the field of audiometry.
It is to meet this need that *Otis Pro* has been developed with its user-friendly interface and numerous features. The didactically designed software familiarizes learners with audiometry at a selectable level of dificultly and monitors each and every step. Accurate analysis of the measuring processes also allows the learning objectives to be continually monitored and adapted.

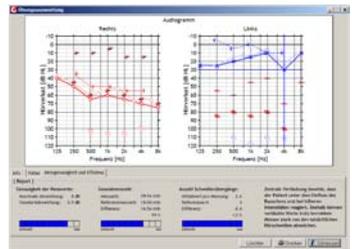*Otis Pro* is therefore the instrument of choice for cost reduction whilst quality demands increase.

Patient Interaction (Otoscopy)

Direct Feedback

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

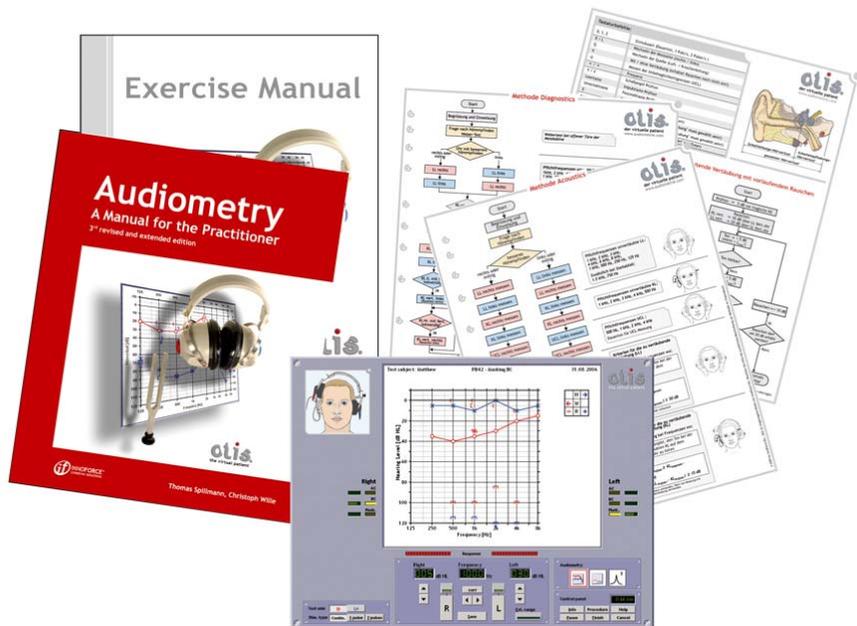**Detailed Evaluation**

Cost-saving features

- Intensive autonomous training
- Time-pressure off doctors and audiologists
- Less supervision during audiologist training
- More efficient measurements thanks to more routine
- *Otis Pro* can be used on any PC for training purposes

Processing test subject data

The training package comprises

- software with profiles of different hearing defects and impairments
- didactically structured textbook "Audiometry – A Manual for the Practitioner" by Dr. med. Thomas Spillmann and Christoph Wille (3rd extended edition)
- user handbook
- summary cards with flow diagrams and abbreviated descriptions
- more than 100 exercise modules with detailed descriptions
- free-of-charge download of the newest exercises and descriptions

More detailed information:

www.audiometry.biz