

HL7 Interface for OtoAccess™ database



Integration with
electronic medical
records (EMR) and
hospital information
systems (HIS)

All Interacoustics
products

Interacoustics
database
OtoAccess™

HL7
(interface)

HIS /
EMR

Compatibility with HL7

Electronic medical records (EMR) and clinic/office/hospital information systems (HIS) are playing an essential role within the audiometric world.

OtoAccess™ supports HL7

The Interacoustics database, OtoAccess™, supports one of the major clinic integration communication standards used for integration with hospital EMR systems: HL7 (Health Level Seven – www.hl7.org).

Therefore, demographic patient information can be exchanged with hospitals using the HL7 protocol. OtoAccess™ supports all Interacoustics products.

What is HL7?
Health Level Seven International (HL7) is the global authority on standards for interoperability of health information technology with members in over 55 countries.

OtoAccess™ HL7 solution

Within OtoAccess™ the OA-HL7Client interface provides an integrated user friendly interface, that facilitates the examiner / doctor to handle patient information electronically.

The client interface makes it possible for OtoAccess™ users to:

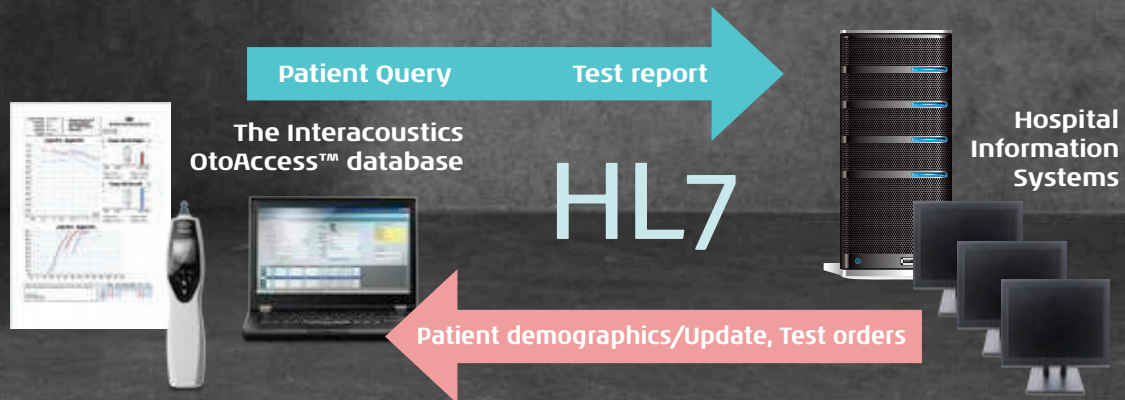
- Receive the demographics of the patients from the clinical administration system / HIS
- Export the patients' diagnostic results from OtoAccess™ to the clinical EMR system



The OtoAccess™ database

The OtoAccess™ database

OtoAccess™ is a user-friendly database for storage of audiological data and client information. It is equally suitable for installation on PCs as a stand alone database application as it is for networks with a number of clients using the same SQL server. OtoAccess™ has a journal feature for commenting on test sessions and a schedule planner for day-list management. Import and export facilities for XML and GDT formats. Integrated HiTrack Add-In to support the collection of patient and measurement data required in newborn hearing screen programs. A high degree of data safety ensures that OtoAccess™ meets HIPAA requirements.



The GDT Interface

OtoAccess also supports the GDT standard. GDT supports simple text files based on synchronous data exchange with external applications (HIS, EMR, OMS, etc), i.e. import of patient demographic information. It can also be used to automatically launch measurement modules (e.g. the Titan Suite or the Diagnostic Suite) transparently from an external application. Compared to HL7, GDT is a simpler and static communication protocol used for interfacing devices (instruments) with external applications.

How to integrate?

In order to integrate an EMR system with OtoAccess™/HL7 it is required to have the right interfaces to the Hospital HL7 setup. Based on a gap-analysis Interacoustics can determine the degree of compatibility and customized solution can be provided on a project basis - for more information contact your local Interacoustics representative.

Support

HL7 exists in a number of variations and can be adapted to support different local setups and needs. The Interacoustics HL7 solution is compatible and supports the following specifications:

- ✓ HL7 V2.x supported (2.3, 2.3.1, 2.4, 2.5, 2.5.1)
- ✓ Communication protocol: MLLP or file sharing.
- ✓ Receiving demographics from HIS / EMR :
 - Query : QRY_A19/ ADR _A19 QBP^Q22 / RSP^Q22 (follows HITSP/T23)
 - ADT: ADT_O1, ADT_O8
- ✓ Receiving test orders • ORM_R01
- ✓ Exports results to HIS / EMR: ORU_R01

Customized solutions are provided on project basis.

A preview of the benefits

- No need to enter patient information into several databases
- Optimized clinical workflow
- Share test results (e.g. PDF reports)
- Save time and money on less manual work
- Avoid third party integration tool

For more information

The following documentation about our HL7 solution can be required:

- OtoAccess HL7 specifications
- OtoAccess HL7 interface configuration guide
- OtoAccess™ HL7 interface user guide

For more information please contact us at info@interacoustics.com.



Interacoustics

Interacoustics is a world leading provider of diagnostic solutions in the field of hearing and balance assessment. Since 1967 we have designed and manufactured our innovative diagnostic solutions for the world of audiology with a constant focus on providing our customers with quality, dependable products.

With you at all times

We operate in over 100 countries worldwide through a carefully selected network of distributors and service centres. Purchasing an Interacoustics product guarantees not only a quality product, but also direct access to our highly professional training and support service.

Read more at
interacoustics.com

Go online to
explore our
full product
range

Interacoustics A/S

Audiometer Allé 1
5500 Middelfart
Denmark

T +45 6371 3555

F +45 6371 3522

info@interacoustics.com
interacoustics.com



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