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- On a PC
  - Open PDF
  - Click Print
  - Choose # of pages per sheet from dropdown menu
  - Choose Black and White from “Color” dropdown
- On a Mac
  - Open PDF in Preview
  - Click File
  - Click Print
  - Click dropdown menu on the right “preview”
  - Click layout
- Choose # of pages per sheet from dropdown menu
- Checkmark Black & White if wanted.
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- Email [customerservice@AudiologyOnline.com](mailto:customerservice@AudiologyOnline.com)



GSI Suite: Integrated Data  
Management Made Easy

Suite Version 2.6





# Learning Outcomes

- 1) After this course, the participant will be able to explain how to transfer data and configure the GSI Suite software.
- 2) After this course, the participant will be able to explain how to design reports based on pre-defined templates or customized design to integrate session data from multiple audiometric tests.
- 3) After this course, the participant will be able to explain how to create and add pre-defined comments to assist in efficiency in reporting.





# Agenda

- Intro and Overview
- Basic Navigation
- Software demonstrations
- Practical examples
- Summary
- Questions





## MEET THE TEAM

Our Audiology team has over 65 years of experience presenting audiology and product knowledge to professionals around the world. Our ADVANCE team enjoys all things audiology and are ready to assist you with any questions. Please reach out to our education team at [audiology@grason-stadler.com](mailto:audiology@grason-stadler.com).



LAURA PRIGGE, AUD  
GSI CLINICAL APPLICATION  
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## GSI Product Line: Operational Consistency

- Stand-Alone – dedicated equipment
- PC Enabled – seamless transfer to included data management software
- Customizable - configuration application
- Quick and easy updates in the field – USB drive
- Customer Focus
  - Enhancements come from customer requests
  - Education and training focus





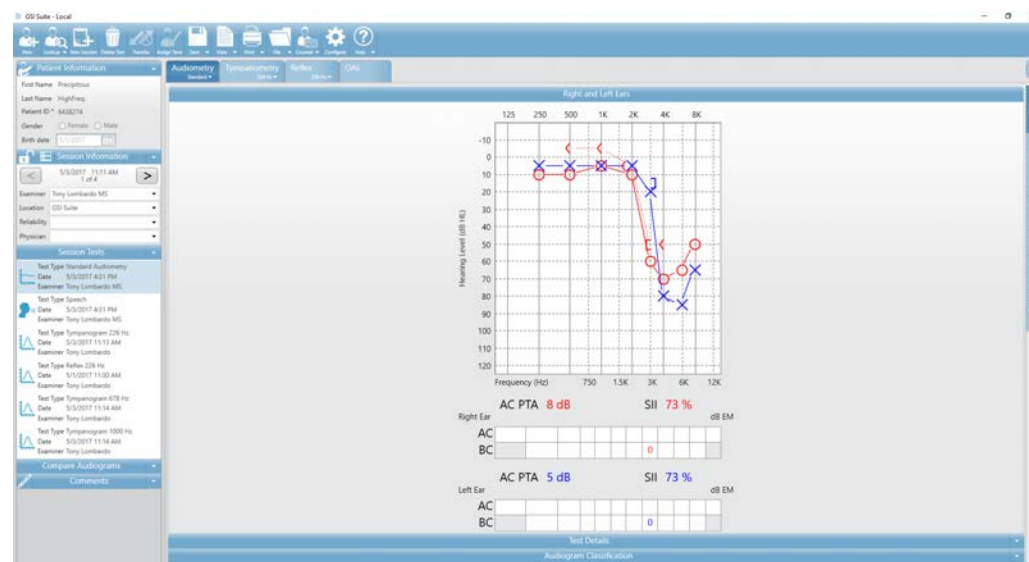
Presented in partnership with

CONTINUED<sup>®</sup>



## GSI Suite™- Data Management

- Designed to store audiologic data and generate electronic copies of results for attaching to a medical record
- Works stand-alone or as a module within NOAH
- Powerful report writer
- Overlays for patient counselling





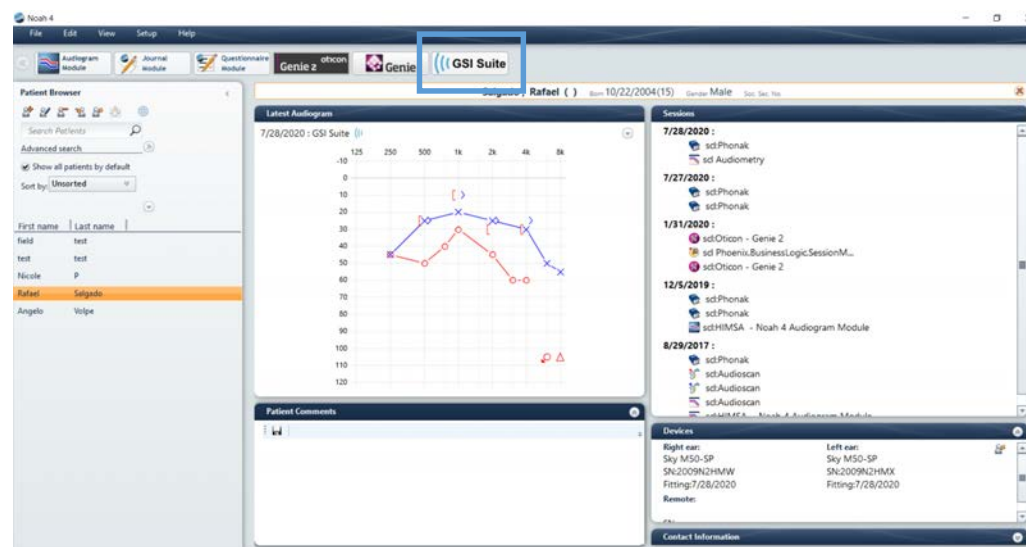
## Minimum PC Requirements

- CPU: 1.6 GHz
- RAM: 2 GB
- Hard Disk: 20 GB free space
- **USB Port: 1 for each connected GSI instrument (Optionally, an additional USB port will be required if a printer is connected to the PC)**
- Display Resolution: 1366 x 768
- CD-ROM Drive or USB to install program
- Network LAN Card (if connecting to database via a network)
- GSI Suite Supported Operating Systems: Microsoft Windows® 10 Pro



# Data Management Options

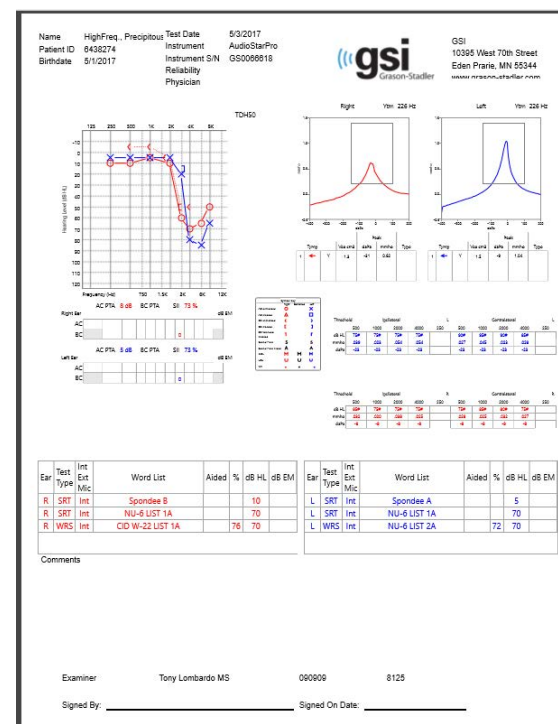
- Stand alone
- Module of NOAH





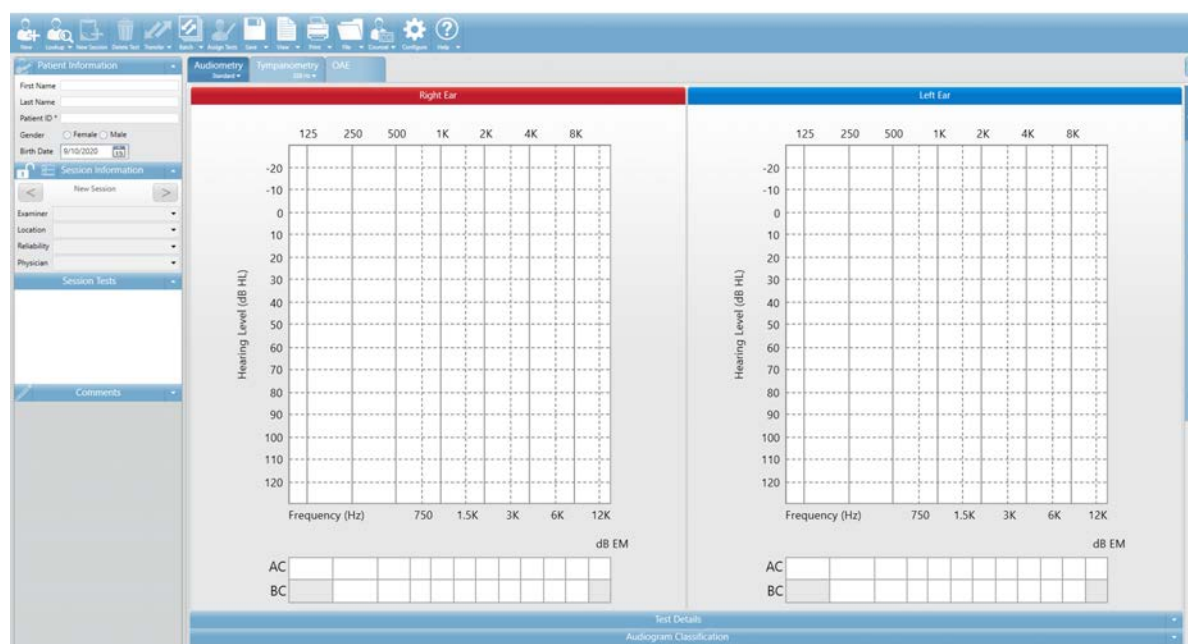
## Reports

- Over 25 pre-prepared reports to choose / edit
- Can be built from scratch
- Combine results from multiple devices and sessions





# Basic Navigation





## Menu Toolbar

- Create, select patients and make patient lists
- Save and lock sessions
- Transfer data from the device
- View and print reports
- Patient Counseling



\*Use drop down carrots to access additional options





## Information Panel

Patient and test session information

Provide the list of audiograms to allow the selection for comparing audiograms

Easily sort through test results

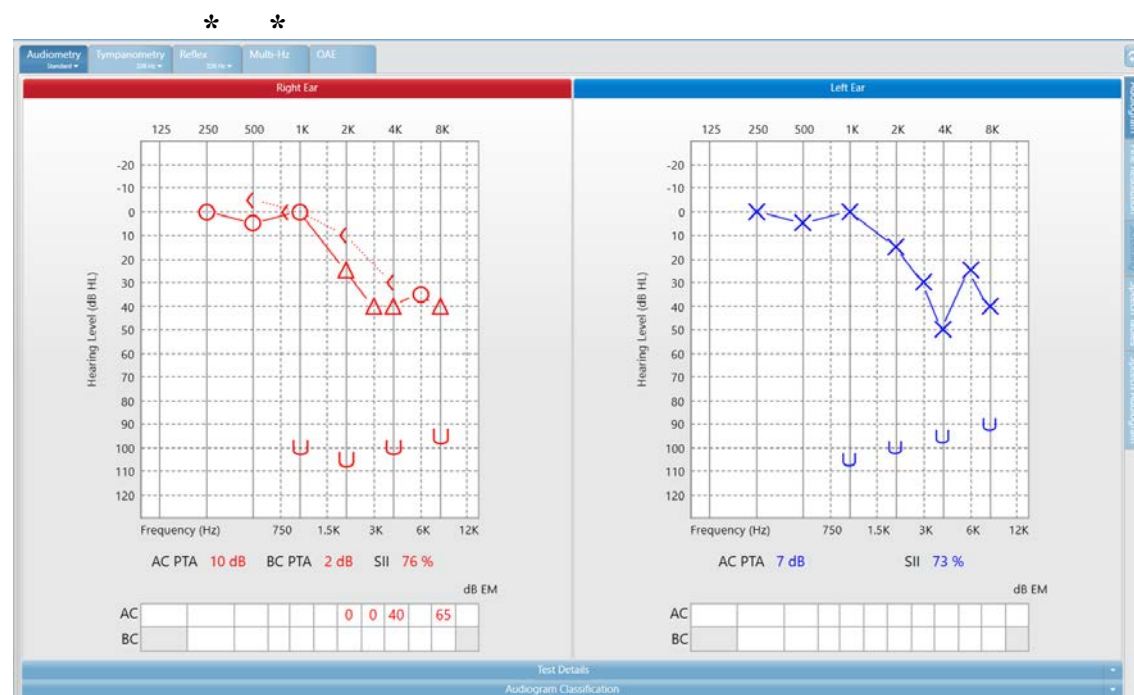
| Patient Information                                                                         |                                                         |
|---------------------------------------------------------------------------------------------|---------------------------------------------------------|
| First Name                                                                                  | Precipitous                                             |
| Last Name                                                                                   | HighFreq.                                               |
| Badge *                                                                                     | 6438274                                                 |
| Gender                                                                                      | <input type="radio"/> Female <input type="radio"/> Male |
| Birth Date                                                                                  | 5/1/2017                                                |
| Session Information                                                                         |                                                         |
| <div> <div>&lt;</div> <div>5/3/2017 11:11 AM</div> <div>&gt;</div> </div> <div>1 of 4</div> |                                                         |
| Examiner                                                                                    | Tony Lombardo MS                                        |
| Location                                                                                    | GSI Suite                                               |
| Reliability                                                                                 | Excellent                                               |
| Physician                                                                                   | Ricky Wysoki, MD                                        |
| Session Tests                                                                               |                                                         |
| Test Type                                                                                   | Standard Audiometry                                     |
| Date                                                                                        | 5/3/2017 4:31 PM                                        |
| Examiner                                                                                    | Tony Lombardo MS                                        |
| Test Type                                                                                   | Speech                                                  |
| Date                                                                                        | 5/3/2017 4:31 PM                                        |
| Examiner                                                                                    |                                                         |
| Test Type                                                                                   | Tympanogram 1000 Hz                                     |
| Date                                                                                        | 5/3/2017 11:14 AM                                       |
| Examiner                                                                                    | Tony Lombardo                                           |
| Test Type                                                                                   | Tympanogram 678 Hz                                      |
| Date                                                                                        | 5/3/2017 11:14 AM                                       |
| Examiner                                                                                    | Tony Lombardo                                           |
| Test Type                                                                                   | Tympanogram 226 Hz                                      |
| Date                                                                                        | 5/3/2017 11:13 AM                                       |
| Examiner                                                                                    | Tony Lombardo                                           |
| Test Type                                                                                   | Reflex 226 Hz                                           |
| Date                                                                                        | 5/1/2017 11:30 AM                                       |
| Examiner                                                                                    | Tony Lombardo                                           |





## Test Results

- Test Type Tabs
  - Audiometry
  - Tympanometry
  - \*Reflex
  - \*Multi-Hz
  - OAE
- Test tabs
  - test tabs will change to correspond to the specific tests of the selected test type.



**\*NOTE:** Multi-Hz and Reflex tabs will only appear when corresponding test data is transferred.

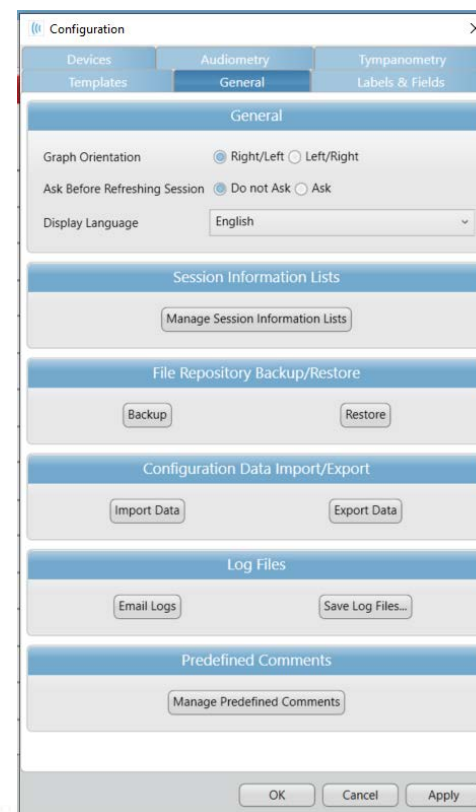




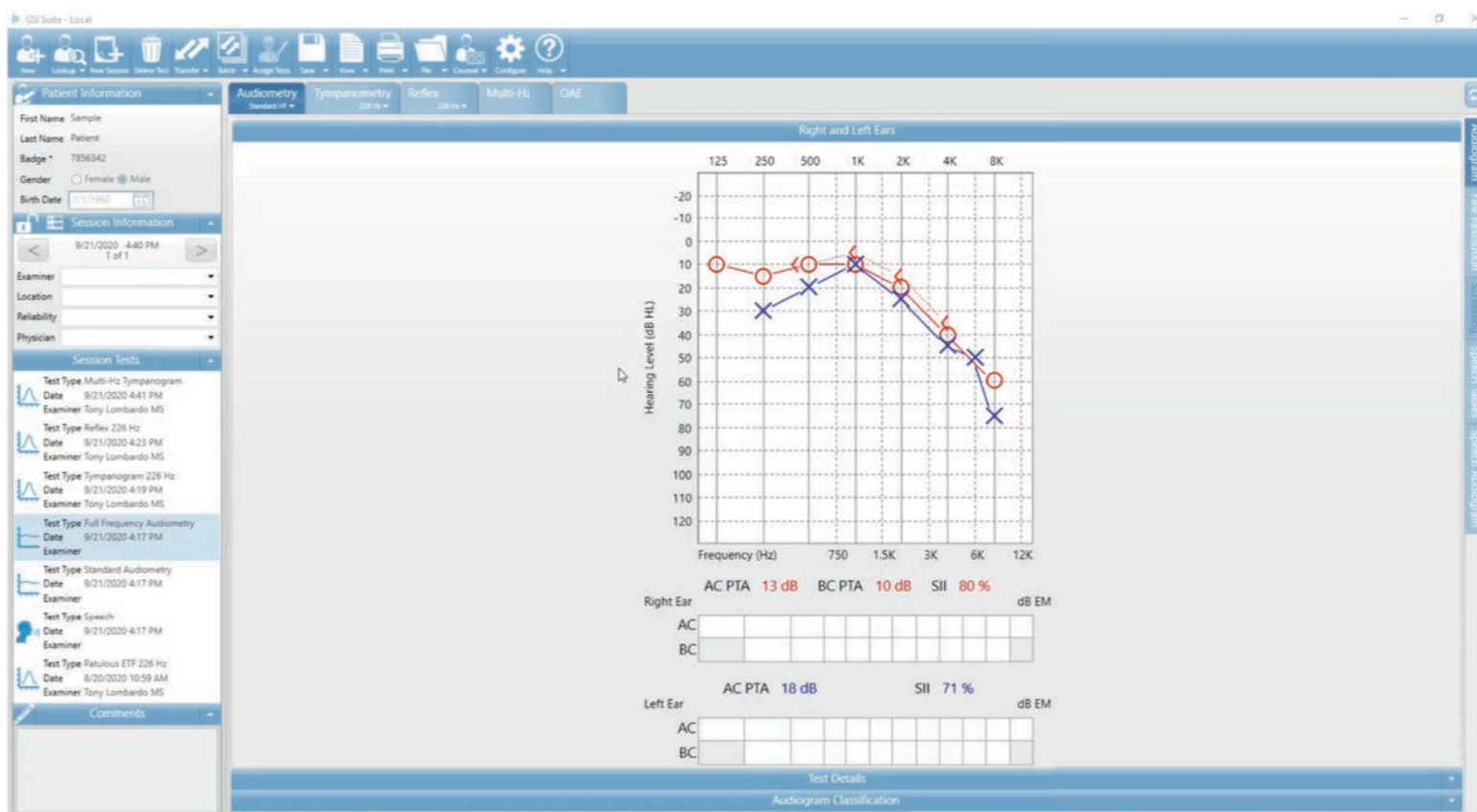


## General Tab

- Session information lists
- Back up repository
- Import and export data
  - Templates
  - predefined comments
- Manage predefined comments
- Log files



## General Tab





## Labels and Fields

- Facility Information
- Patient Information
- User Defined Fields
- Info can be included on reports with the template editor

**Configuration**

Devices    Audiometry    Tympanometry

Templates    General    **Labels & Fields**

**Customize Field Labels**

| Field            | Label            | Tool Tip                   |
|------------------|------------------|----------------------------|
| Address (line 1) | Address (line 1) | First line of the address  |
| Address (line 2) | Address (line 2) | Second line of the address |
| City             | City             | Name of the city           |
| State            | State            | Name of the state          |
| Zip              | Zip              | Zip Code                   |
| Country          | Country          | Name of the country        |
| Web Address      | Web Address      | Web Address                |
| Email            | Email            | Email address              |
| Phone            | Phone            | Phone number               |
| Fax              | Fax              | Fax phone number           |
| Patient ID       | Patient ID       | Patient Identifier         |
| Gender           | Gender           | Gender of patient          |
| License Number   | License Number   | Examiner's license number  |
| Examiner         | Examiner         | Examiner Name              |
| Location         | Location         | Location Name              |
| Reliability      | Reliability      | Reliability Name           |
| Physician        | Physician        | Physician Name             |

Reset to Defaults

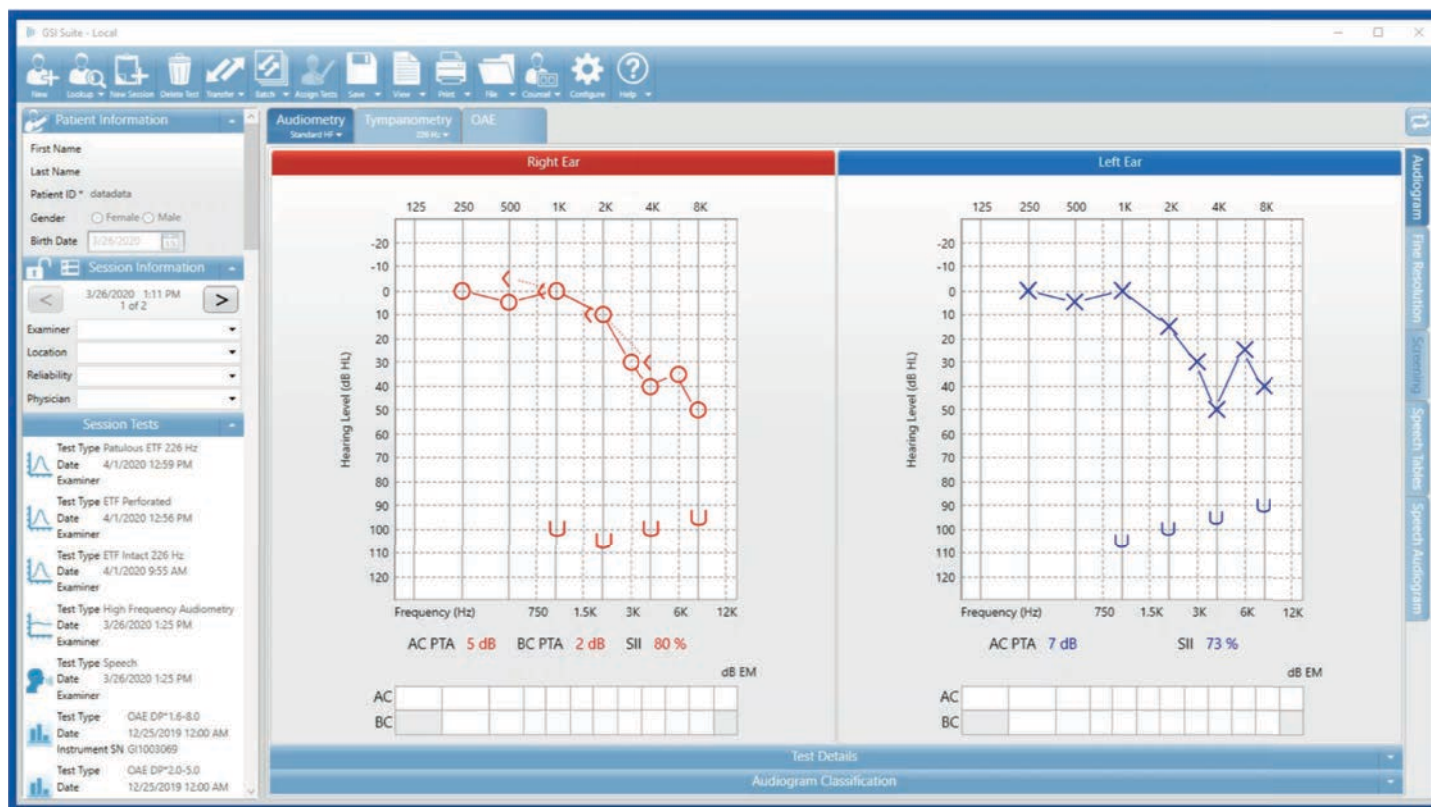
**User Defined Fields**

| Field   | Label | Tool Tip | Enabled                  |
|---------|-------|----------|--------------------------|
| Field 1 |       |          | <input type="checkbox"/> |
| Field 2 |       |          | <input type="checkbox"/> |
| Field 3 |       |          | <input type="checkbox"/> |

OK    Cancel    Apply



## Editing Labels and Fields





## Devices Tab: Connecting GSI Instruments

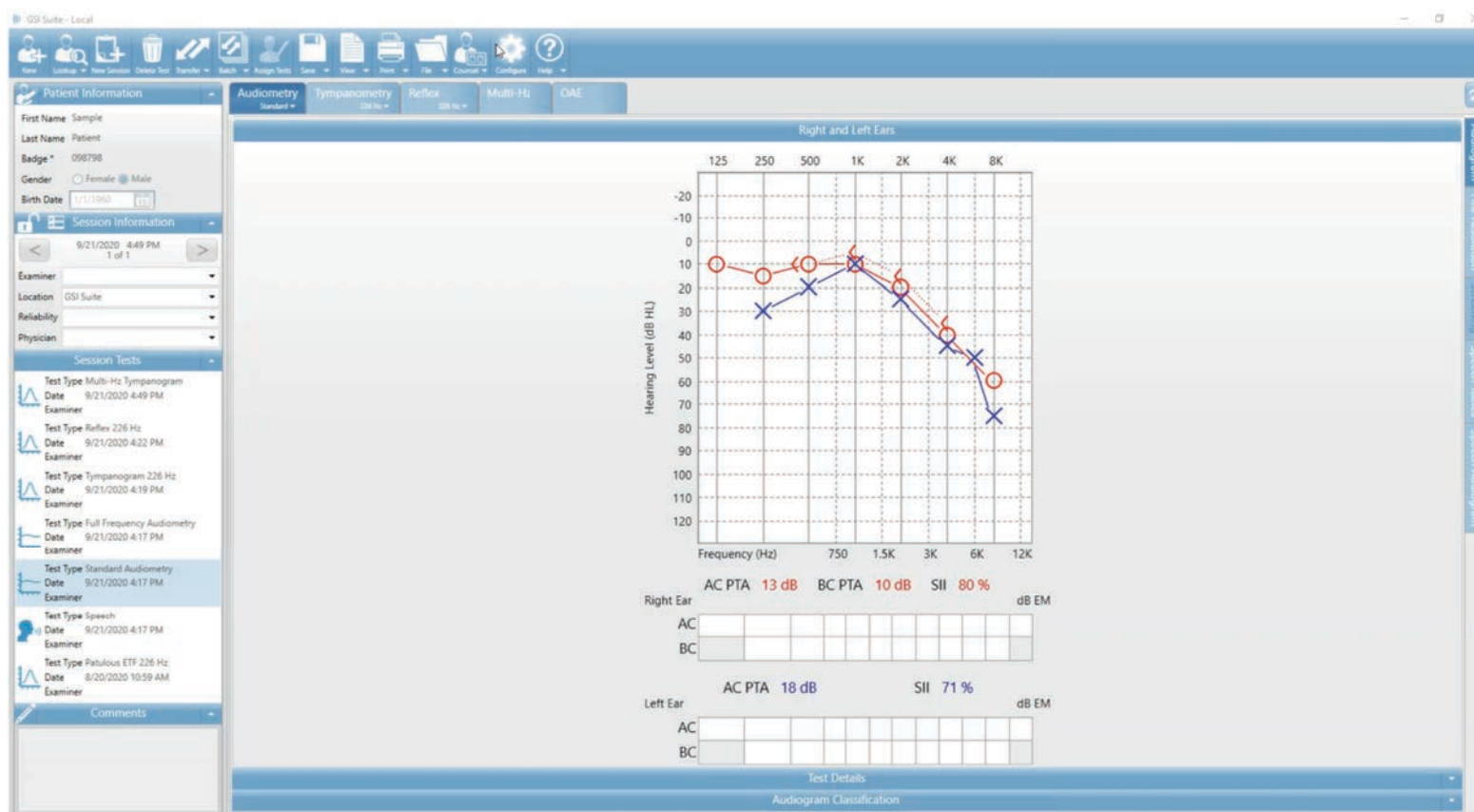
- Use a standard A/B USB Cable
- Select the gear icon from top menu bar
- Choose “Devices” tab



The screenshot shows the 'Configuration' window with the 'Devices' tab selected. The 'Connected Devices' section lists options for Audiometry (AudioStar Pro, Pello, GSI 61, GSI 39, None), Tympanometry (TympStar Pro, TympStar, GSI 39, None), and OAE (Corti, None). The 'GSI AMTAS Flex' section shows a 'Flex' dropdown set to 'Paired Wireless Device' and a 'Refresh' button. The 'GSI 39' section shows 'Port Name' set to 'COM7' and 'Serial Number' set to 'G3907460105'. Instructions at the bottom of the GSI 39 section state: 'Set the Port Name for the GSI 39, and Configure GSI 39 to use a baud rate of 115200. To transfer data from the GSI 39 to GSI Suite, press the transfer button on the GSI 39.' The window has 'OK', 'Cancel', and 'Apply' buttons at the bottom.



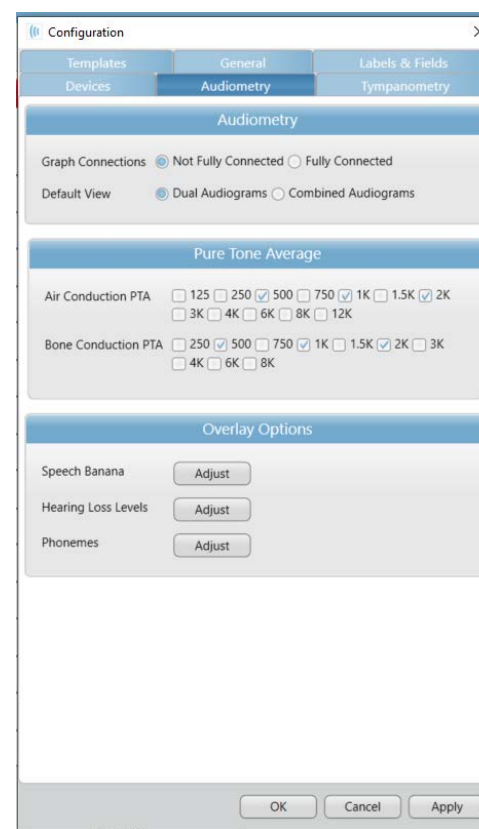
## Devices Tab



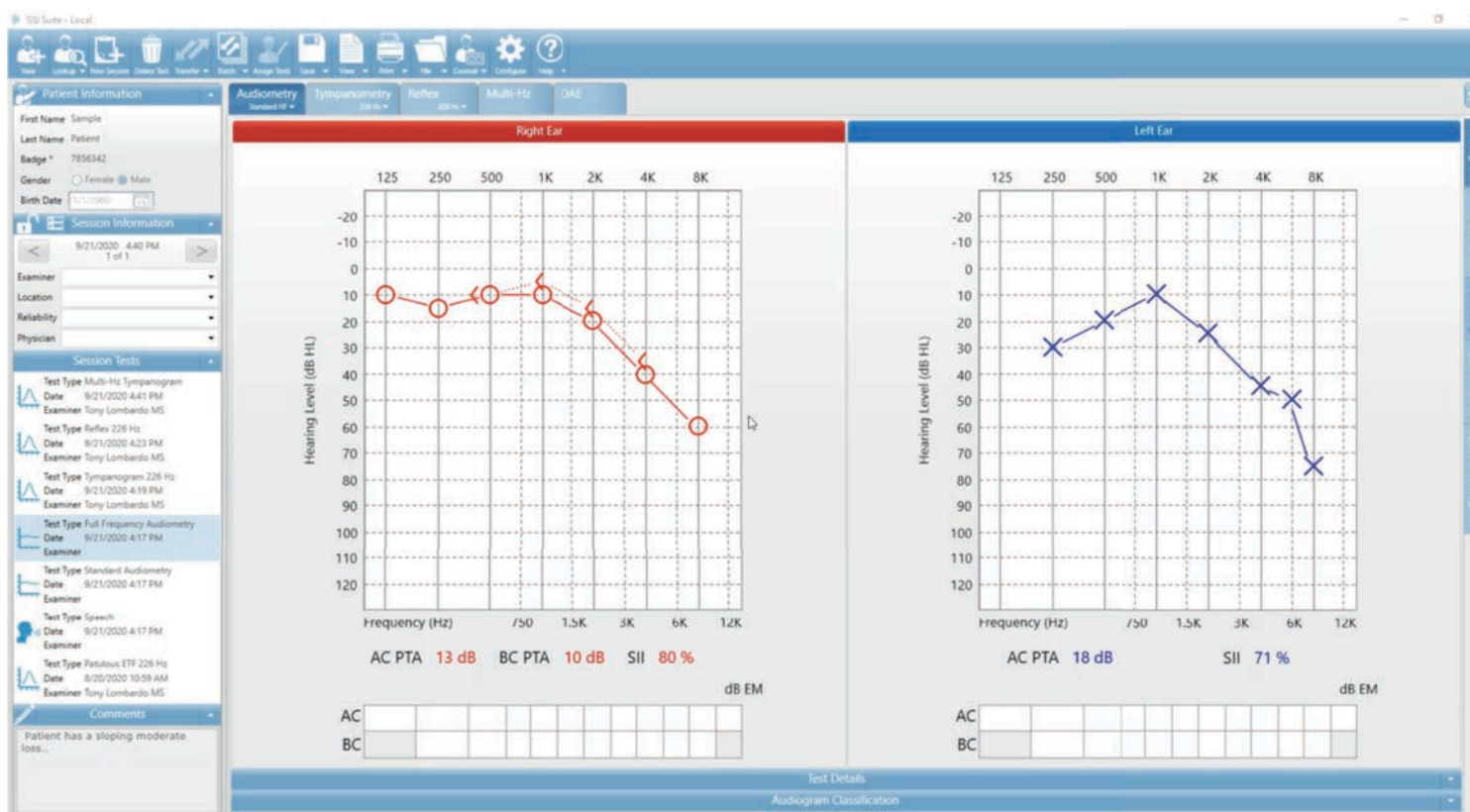


## Audiometry and Tympanometry Tab

- View options
- PTA
- Overlay options



## Audiometry and Tympanometry Tab





## Template Tab

- Access to template editor
- Facility info
- Global report preferences

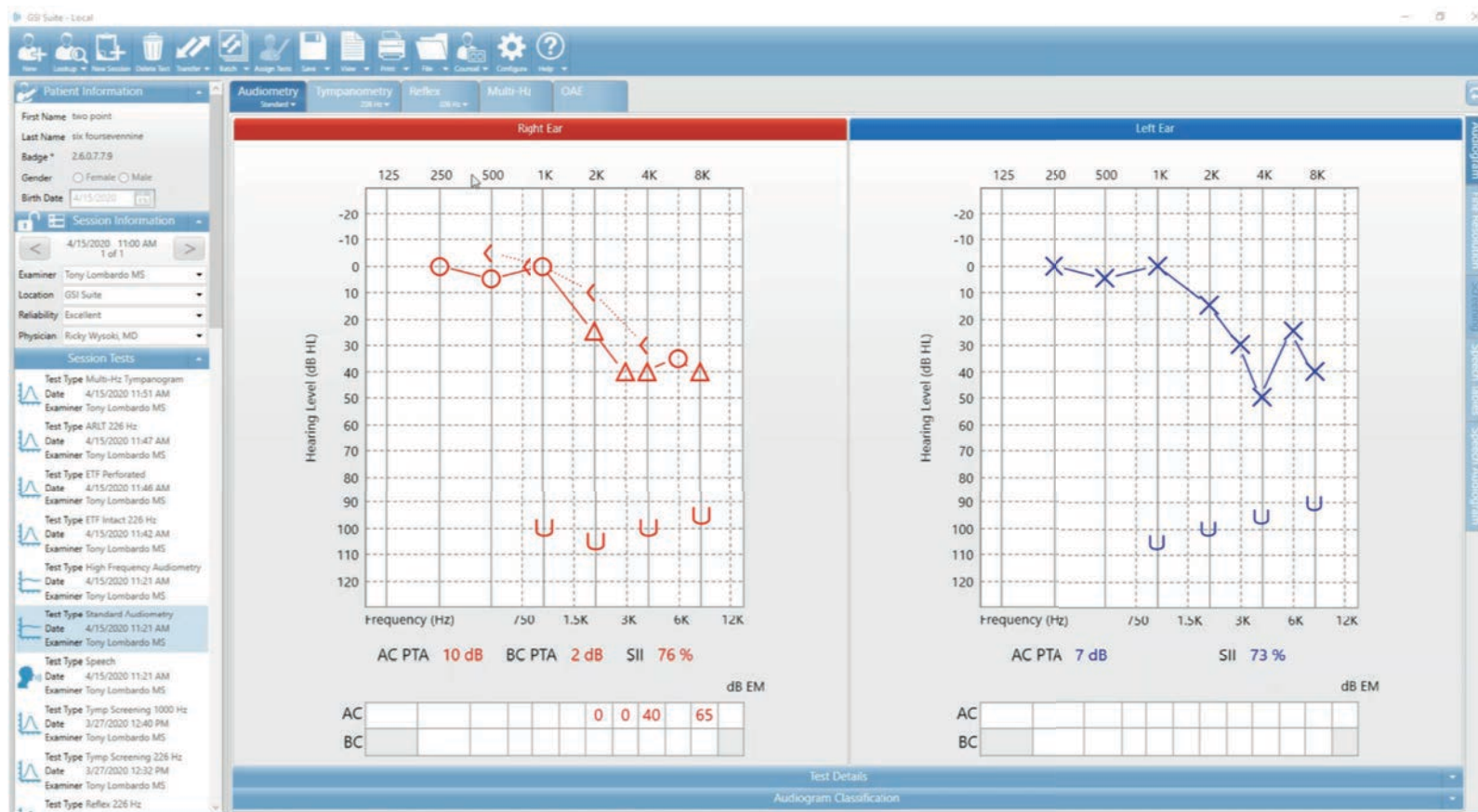
The screenshot shows the 'Configuration' window with the 'Template' tab selected. The window is divided into three main sections: 'Templates', 'Report Settings', and 'Facility Information'.

- Templates:** A dropdown menu shows 'Default: 1b - Audiogram Speech Audiogram - Copy(1)'. Below it is a 'Manage Templates' button.
- Report Settings:**
  - Report Paper Size:** Radio buttons for 'A4' and 'Letter' (selected). A 'Report File...' button is to the right.
  - Header:** Font: 'Arial', Font Size: '15'. Horizontal Alignment: 'Left', 'Center' (selected), 'Right'. Checkboxes for 'Bold', 'Italic', and 'Underlined' are present.
  - Text:** Font: 'Arial', Font Size: '12'. Horizontal Alignment: 'Left', 'Center' (selected), 'Right'. Checkboxes for 'Bold', 'Italic', and 'Underlined' are present.
- Facility Information:**
  - Facility Logo:** A placeholder image of a laptop with 'HILL-ACCTE' on the screen. 'Browse' and 'Clear' buttons are to the right.
  - Facility Name:** 'Audiology and ENT'
  - Address (line 1):** '123 Hearing Street'
  - Address (line 2):** (empty field)
  - City:** 'Minneapolis'

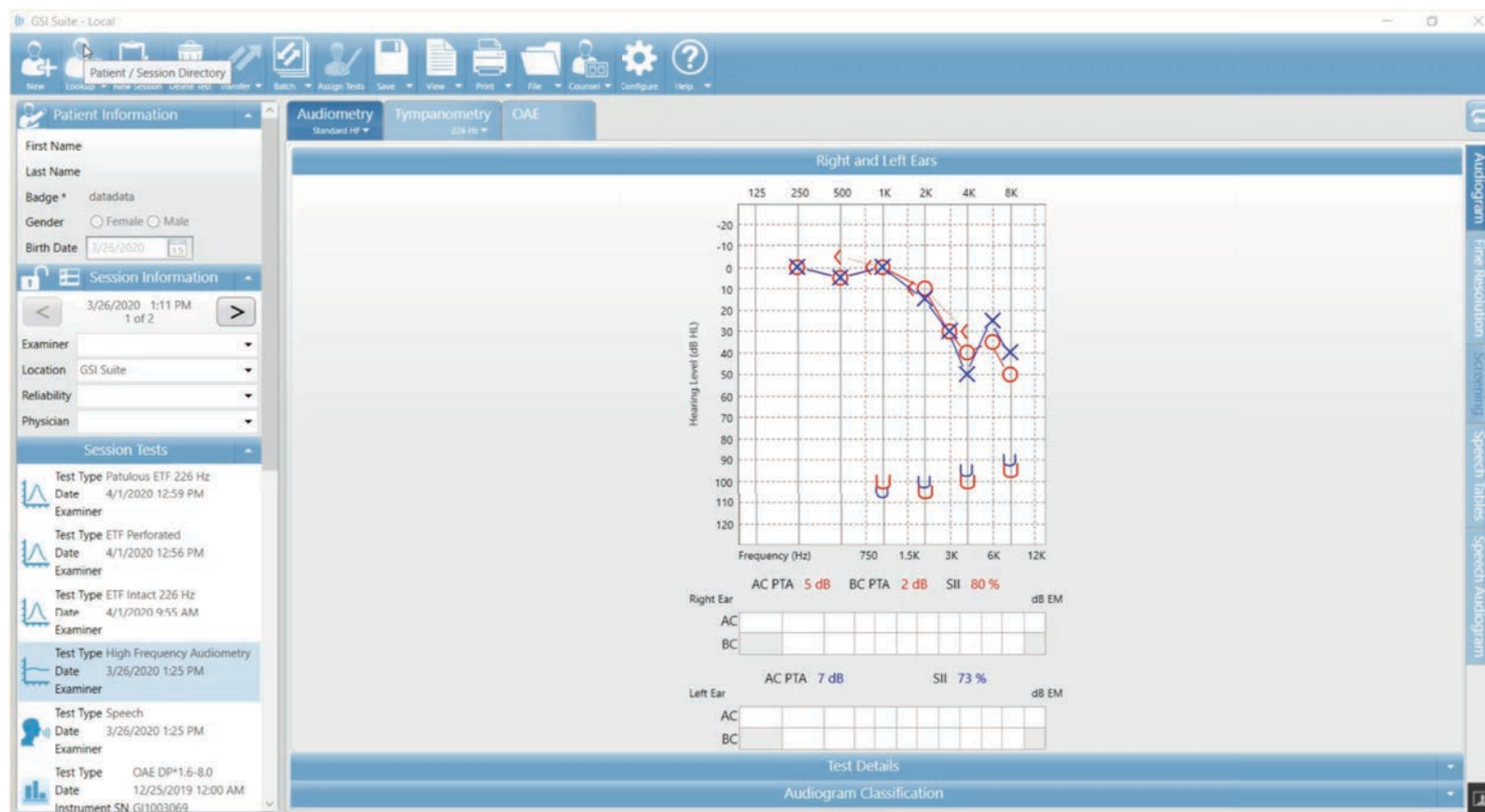
At the bottom of the window are 'OK', 'Cancel', and 'Apply' buttons.



# Template Editing



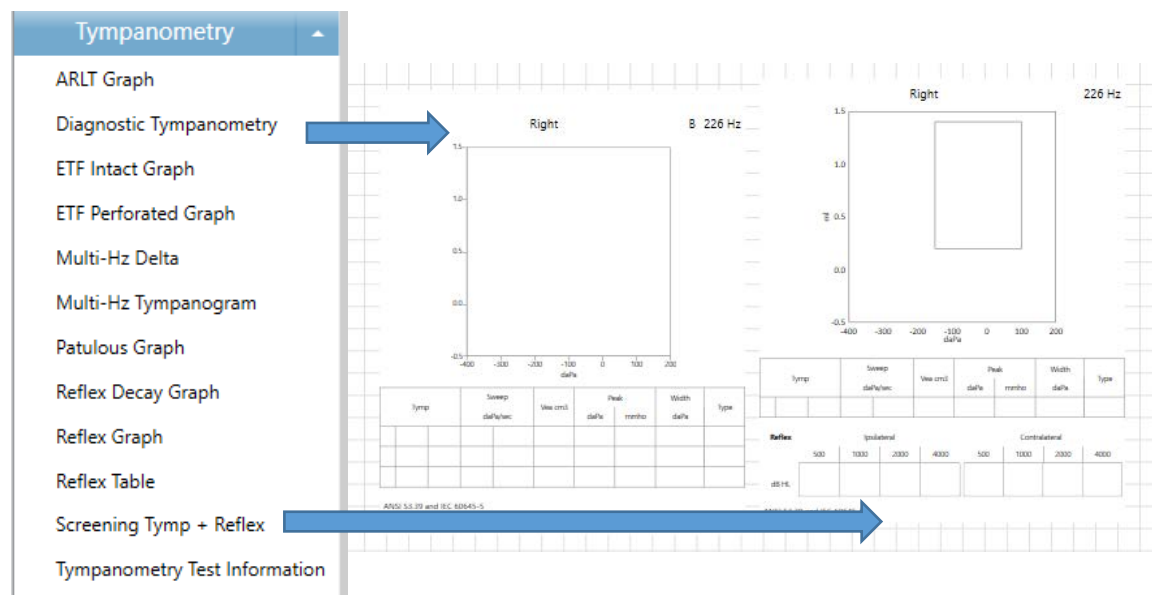
## Using Dynamic Elements: OAE





## Quick Tip: Choosing the proper element

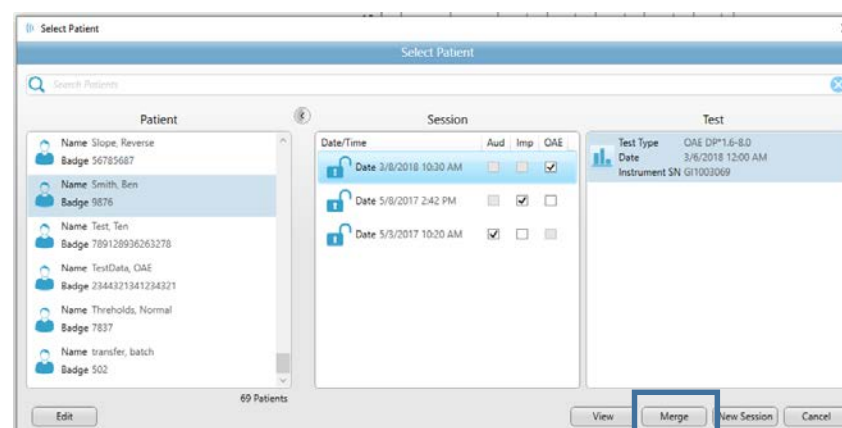
- **Diagnostic Tympanometry** to display data captured using **TYMP** diagnostic mode on the TymStar Pro
- **Screening Tymp and Reflex** from **SCREENING** mode on TymStar Pro and GSI 39
  - Tymp data from NOAH public folder





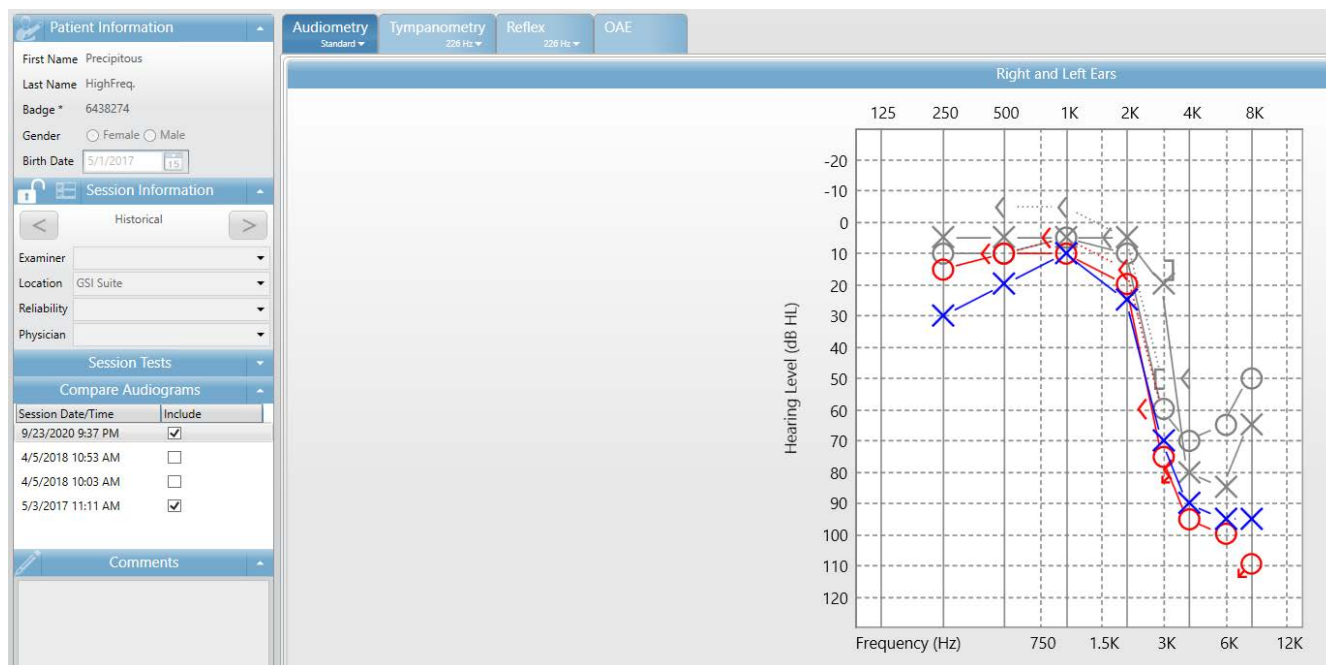
## Quick Tip: Merge Sessions

- Combine different test types from various sessions temporarily to create a report that can be saved as a PDF or printed





Quick Tip:  
Compare  
audiograms



## Transferring Data and Creating a Report

**Patient Information**

First Name:

Last Name:

Badge:

Gender: ☐ Female ☐ Male

Birth Date: 9/21/2020

**Session Information**

New Session 1 of 1

Examiner:

Location: OSI Suite

Reliability:

Physician:

**Audiometry**

**Right Ear**

Hearing Level (dB HL)

Frequency (Hz)

AC:

BC:

**Left Ear**

Hearing Level (dB HL)

Frequency (Hz)

AC:

BC:

Test Details

Audiogram Classification

# Additional Quick Tips.....

- Disable the “suspend USB” power option to ensure proper communication between instrument and PC.
- Store backup of data in a safe manner.
- Create backup of patient data regularly
- Save often while working on templates
- Go to [www.Grason-stadler.com](http://www.Grason-stadler.com) and click education for more info on Suite





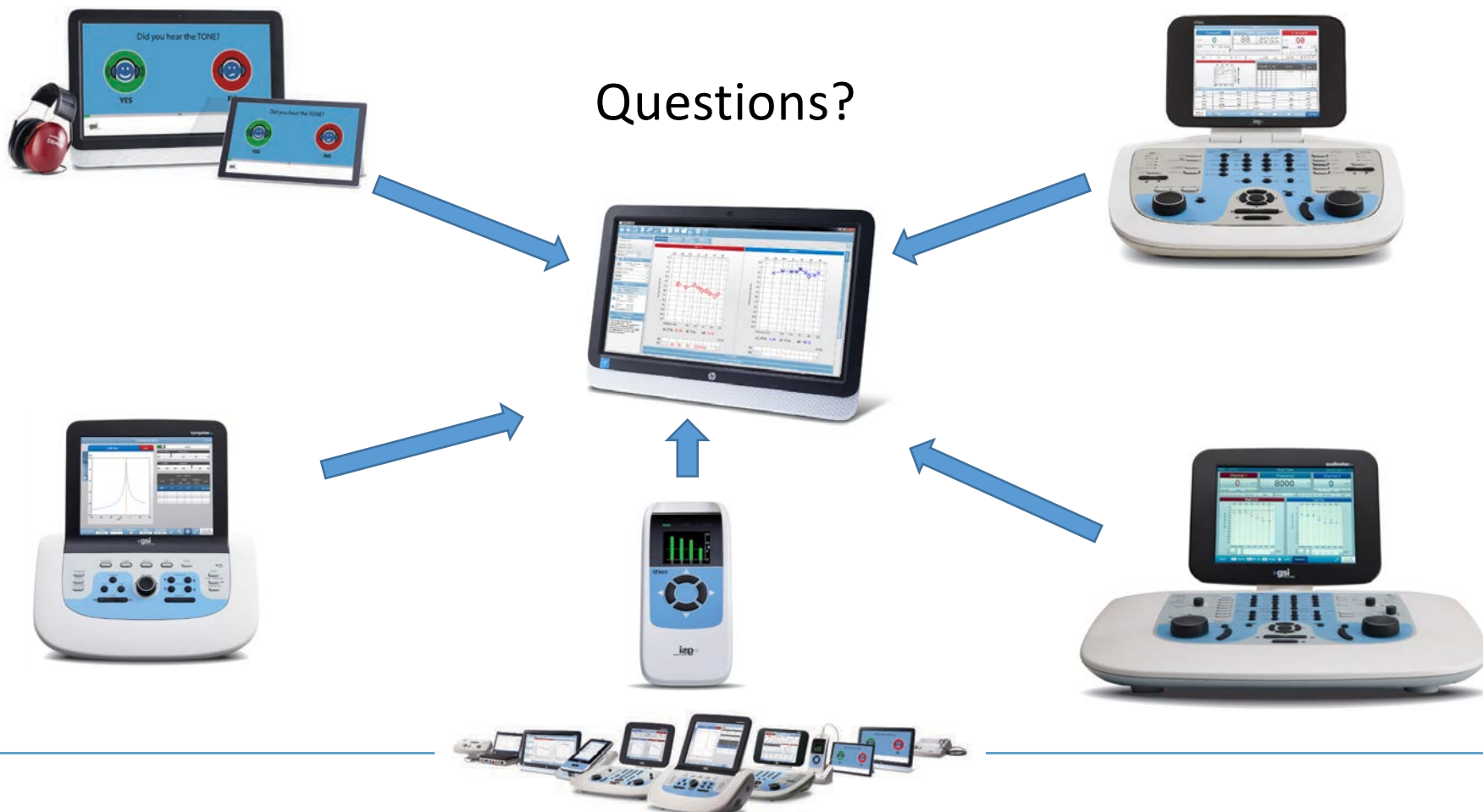
# GSI Suite Summary

- GSI Suite is included with compatible GSI equipment
  - AudioStar Pro v1 and v2, Pello, Tymptstar Pro, GSI 39, **Corti**
  - Legacy Products: GSI 61, GSI TymptStar v1 and v2
- GSI Suite offers flexibility in data management for the following:
  - Reporting (pre-defined comments)
  - Hearing aid fitting/counselling (Noah compatible)
  - EMR/EHR (PDF, JPEG, TIFF, Public Data)
- GSI Suite may be customized to fit the needs of your facility
  - Multiple referral sources
  - Multiple testing protocols
  - Multiple examiner preferences





# Questions?





# Thank You!

## [www.grason-stadler.com](http://www.grason-stadler.com)

