

# Glaucoma Workplace 3 Overview

Application Patient System Help

**DEMO GWP, 01, OS**

♀ ID Version 3.0 - ne... DOB 9/1/1955 (61)

**Document Display**

- Clinical Displays
- Glaucoma Workplace
  - Visual Field GPA
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    - Threshold Exam Series
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  - Structure-Function GPA
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  - Create Reports
    - Visual Field and Structure-Function

Double Click a patient from the Home Screen, Glaucoma Workplace Pre Selections appear in the Document Display

1. Visual Field GPA = preselection for working with the GPA tools for visual field exams.
2. Visual Fields - Overview = preselection for displaying a serial overview of visual field threshold exams, filtered by test pattern.
3. Visual Fields - Browser = preselection for displaying a list of all visual field exams, as well as detail for the selected exam.
4. Structure-Function GPA = preselection for viewing both visual field exam and OCT exam data together, along with GPA tools.
5. Create Reports = preselection for creating reports (e.g. Structure-function reports)

Selected Patient Tools

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Exam Date	Test Pattern	Test Strategy	Stimulus Color	Stimulus Size	Background
Jan 17, 2013	Central 24-2 Threshold Test	STPA Standard	White	32	White
Mar 11, 2013	Central 24-2 Threshold Test	STPA Standard	White	32	White
Jan 7, 2013	Central 24-2 Threshold Test	STPA Standard	White	32	White
Sep 18, 2012	Central 24-2 Threshold Test	STPA Standard	White	32	White
Sep 18, 2012	Central 24-2 Threshold Test	STPA Standard	White	32	White
May 21, 2012	Central 24-2 Threshold Test	STPA Standard	White	32	White
May 21, 2012	Central 24-2 Threshold Test	STPA Standard	White	32	White
Dec 5, 2011	Central 24-2 Threshold Test	STPA Standard	White	32	White
Dec 5, 2011	Central 24-2 Threshold Test	STPA Standard	White	32	White
Jun 11, 2011	Central 24-2 Threshold Test	STPA Standard	White	32	White
Jun 11, 2011	Central 24-2 Threshold Test	STPA Standard	White	32	White
Dec 8, 2010	Central 24-2 Threshold Test	STPA Standard	White	32	White
Aug 5, 2010	Central 24-2 Threshold Test	STPA Standard	White	32	White
May 21, 2010	Central 24-2 Threshold Test	STPA Standard	White	32	White
May 21, 2010	Central 24-2 Threshold Test	STPA Standard	White	32	White
Mar 2, 2010	Central 24-2 Threshold Test	STPA Standard	White	32	White
Sep 29, 2009	Central 24-2 Threshold Test	STPA Standard	White	32	White

Exam Detail: Sep 18, 2012 11:55 AM - SITA Standard

Visual Field Data: Threshold (dB), Total Deviation, Pattern Deviation, MD Threshold exceeded, See Info Deviation plot.

Summary: Pupil Diameter: 5.0 mm, Fixation: 95.0%, Visual Acuity: 20/40, GHT: 24.0, PVD: 11.25 dB P = 0.5%

Exam Types Exam Overview Exams

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Serial Overview of Visual Field Exams:

- Exam 1: Sep 14, 2013 10:53 AM - SITA Standard. Metrics: FL 4008, VFI 67%, MD -8.17 dB P = 0.3%, PVD 15.43 dB P = 0.5%, Visual Acuity 20/40, GHT 24.0, PVD 11.25 dB P = 0.5%.
- Exam 2: Sep 14, 2013 11:55 AM - SITA Standard. Metrics: FL 6177, VFI 95%, MD -12.08 dB P = 0.3%, PVD 15.43 dB P = 0.5%, Visual Acuity 20/40, GHT 24.0, PVD 11.25 dB P = 0.5%.
- Exam 3: Dec 14, 2013 10:54 AM - SITA Standard. Metrics: FL 1516, VFI 95%, MD -1.85 dB P = 5.0%, PVD 15.43 dB P = 0.5%, Visual Acuity 20/40, GHT 24.0, PVD 11.25 dB P = 0.5%.
- Exam 4: Feb 28, 2012 9:02 AM - Full Threshold. Metrics: FL 2029, VFI 95%, MD -2.47 dB P = 10%, PVD 11.25 dB P = 0.5%, Visual Acuity 1.0, GHT 24.0, PVD 11.25 dB P = 0.5%.

Report Types Report Preview

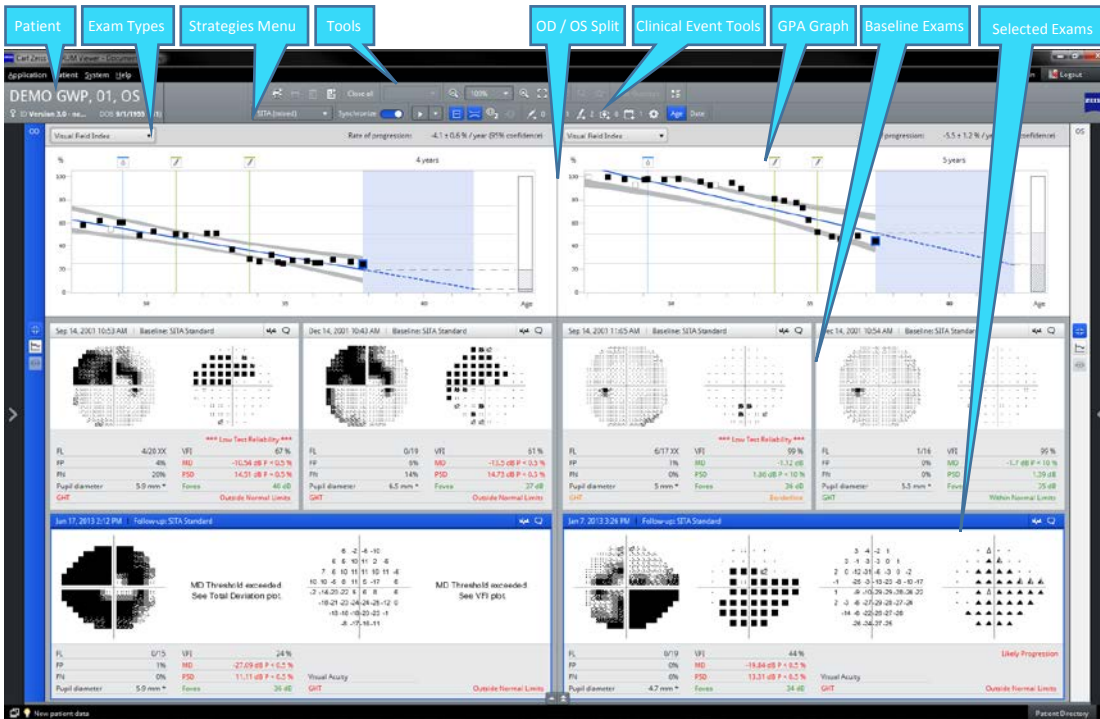
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Report Preview: Visual Field and Structure-Function Report for Central 24-2 Threshold Test.

Visual Field Data: Threshold (dB), Total Deviation, Pattern Deviation, MD Threshold exceeded, See Total Deviation plot.

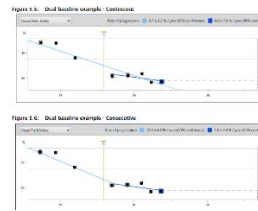
Summary: Pupil Diameter: 4.7 mm, Fixation: 95.0%, Visual Acuity: 20/40, GHT: 24.0, PVD: 11.25 dB P = 0.5%

Create & Print Report

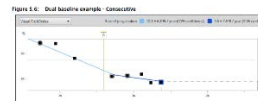


- Tool bar button
- Drop-down menu selection
  - Add injection
  - Add medication
  - Add surgery
  - Add clinical
  - Add other
  - Manage clinical event templates

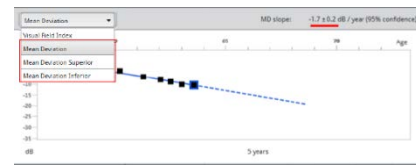
1. Enter clinical event via tool bar or by right clicking on visual field test
2. Enter details of clinical event accordingly (i.e. title, date of event type of event, assigned colour, laterality)
3. For commonly used clinical events  Ad
4. Manage clinical events template (create new, edit, delete) via icon in toolbar



1. Set dual baseline via tool bar or by right clicking on visual field test



2. Switch between continuous vs consecutive dual baseline via toolbar icon



Mean Deviation trend analysis for inferior and superior hemifield for a more localised assessment of the rate of progression.

Note the difference in slope and rate of progression.  
Access via drop-down menu

- Visual Field Index
- Visual Field Index
- Mean Deviation
- Mean Deviation Superior
- Mean Deviation Inferior
- Average RNFL Thickness
- Average Superior RNFL Thickness
- Average Inferior RNFL Thickness
- Average Cup-to-Disc Ratio
- RNFL Thickness Profile

### Custom Trend Analysis

The top half of the "Structure-Function GPA" preselection displays visual field and OCT trend analysis. You can choose any of the trend analysis metrics via the drop-down menu for each of the four Segments

- VFI, MD, Average RNFL Thickness, and RNFL Thickness Profile
- VFI, MD Superior, Average Inferior RNFL Thickness, RNFL Thickness Profile
- VFI, MD Inferior, Average Superior RNFL Thickness, RNFL Thickness Profile

To change the analysis display:

1. Select the desired trend analysis type from the menu above the selected display
2. Alternatively, select via toolbar icons:

Button	Name	Visual field analysis	RNFL analysis	Ganglion cell analysis
	Show progression	Progression Analysis probability plot (if available) / Pattern Deviation plot (baseline exam only)	RNFL Progression map	N/A
	Show deviation from normal	Pattern Deviation plot	RNFL Deviation map	Ganglion Cell deviation map
	Show thickness and sensitivity	Grayscale plot	RNFL Thickness map	Ganglion Cell + IPL Thickness map
	Show tables	GHT, VFI, FF, MD, and PSD values	Average RNFL, Average Superior RNFL, and Average Inferior RNFL values	N/A

### Timeline maps

The bottom half of the "Structure-Function GPA" preselection displays OCT maps and visual field plots for individual exams.

Visual field and OCT exams are lined up to each other that occurred within 180 days.

Timeline maps are available using the right hand buttons

