



OPTICAL COHERENCE TOMOGRAPHY

RS-330



Progression Analysis & Follow-up



OCT-Progression Analysis

Please find below some steps for 'follow-up' / progression analysis.

- 1) Select the patient and open the menu screen where all scans and photos are displayed.
- 2) Select the specific scan you want by clicking 'once' (the image will be highlighted green as you have selected it)
- 3) *RIGHT* click and select **FOLLOW UP** then **REGISTER TO BASELINE**.
- 4) A box will appear on the screen - press **SET**. This will then store the image (or selected scan) at the top section (so, all future scans will be compared to this).
- 5) The patient returns for their follow up scan in 3,6 or 9 months (depending on the recall)
- 6) Exactly the same scan is repeated for the patient (*MUST* be exactly the same parameters). When the scan is done and saved it will appear as normal in the menu screen.
- 7) Highlight the scan
- 8) On the top of the screen on the toolbar - press the **FOLLOW UP** button.
- 9) The software does some number crunching and the data is displayed.
- 10) Down the *LEFT* side you will see the scans which have been done. (under Check all data)
- 11) When you tick the scan boxes they will be displayed beside the pre-set (baseline scan)

As it is a variance comparison it will show 0= if no change (-) = if loss etc.

- 12) The graph below the data will plot points generated from the scans taken.
- 13) if there is any change to the gradient of the graph or slope it will generate a P- value (shown in the box at the bottom *RIGHT*) This could indicate if clinically significant or not.

0.05 possibly, 0.01 likely to be clinically significant (as only 1% of the population have a 'change' like this)

The pink and blue rows correspond to the pink and blue circle at the Left of the graph (shows superior and inferior areas)

By pressing specific sections in the circle above the pink and blue it will then show other colours indicating calculation in that specific area. These will be added to the slope / p-value table at bottom *Right* corner in that colour.

14) There are options along the top of the page (tabs which can be selected depending on what you are monitoring)

Progression Macula, Progression Glaucoma etc.

15) it is recommended to have one baseline scan and at least 2 more follow up scans, but as always if there is something of concern from H&S or other finding through your examination and there is a repeatable defect = then **REFER**.

16) You can register any scan to the baseline at any time. The baseline scan is recommended to be the earliest scan possible

17) It is possible to export data into a referral folder on the desktop. Export the 'screen shot' from the progression analysis by selecting **EXPORT** from the toolbar. (attaching this information to an email for referral will vary depending on the IT set up)



18) There are 'built in' templates reports. Go back to menu - there is a BLUE arrow next to ALL EYE (above the scan menu)

19) Select report no: 13 (this is the best report if you use Macula map, Disc map COMBO MODE).

20) Double click and press OK

21) All the information from the scans taken will appear at the touch of a button into the pre-set template report.

22) As before regarding export function.

23) To remove from Baseline- highlight the scan and RIGHT click - remove from baseline (message will appear asking if you are sure you want to delete from Baseline - press YES. The image will then be stored back in the original menu screen with the other scans and images as before.