PTS Software 3.5 release information

OPTOPOL technology

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3.5

ZETA Faster

- **ZETA Faster**

  - Allows threshold results of 24-2 in less then 2:30 min*

  - Based on the ZETA algorithm with modified criteria for bracketing procedure end

  - Available for test fields:

    - 10-2

    - 24-2 / 24-2C

    - 30-2 / 30-2C

 - Available for PTS 925W and PTS 2000

24-2C and 30-2C test fields

- **24-2C and 30-2C**
  - Variation of popular 24-2 and 30-2 test fields
  - Added extra 10 test locations in Macula 10° area
  - Better chance to avoid missing paracentral defects without need to do the 10-2 testing
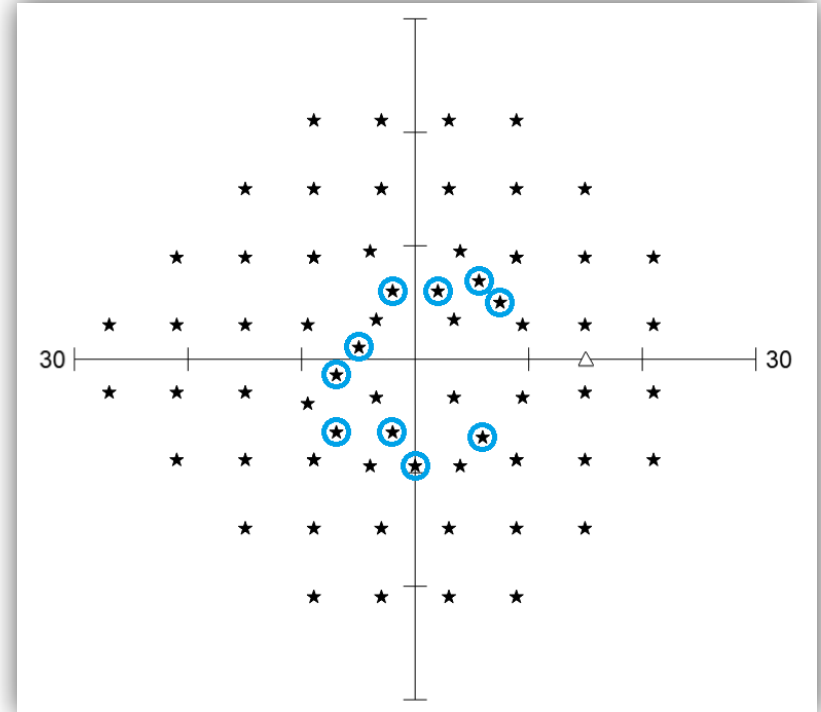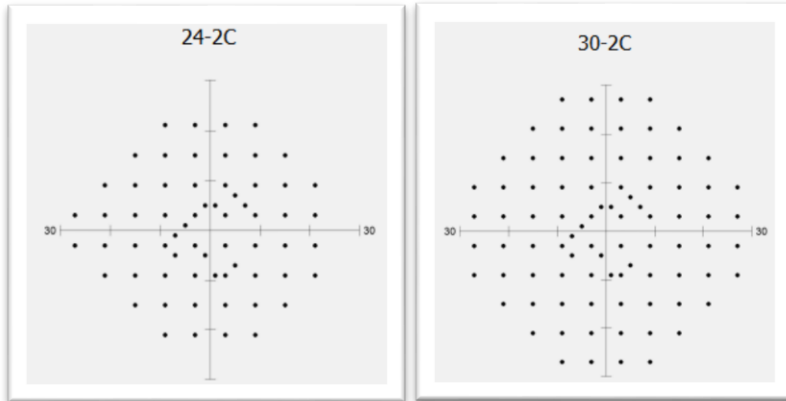
Import from HFA3

- Import of single and multiple results from HFA3

- HFA3 results are imported numerically for future potential of numerical analysis (comparison, progression)

- Imported results are available as original reports or can be reprinted in PTS format

- Supported HFA 3 output types:
  - XML+PDF
 - DCM EPDF

Export/Import PTS DCM OPV
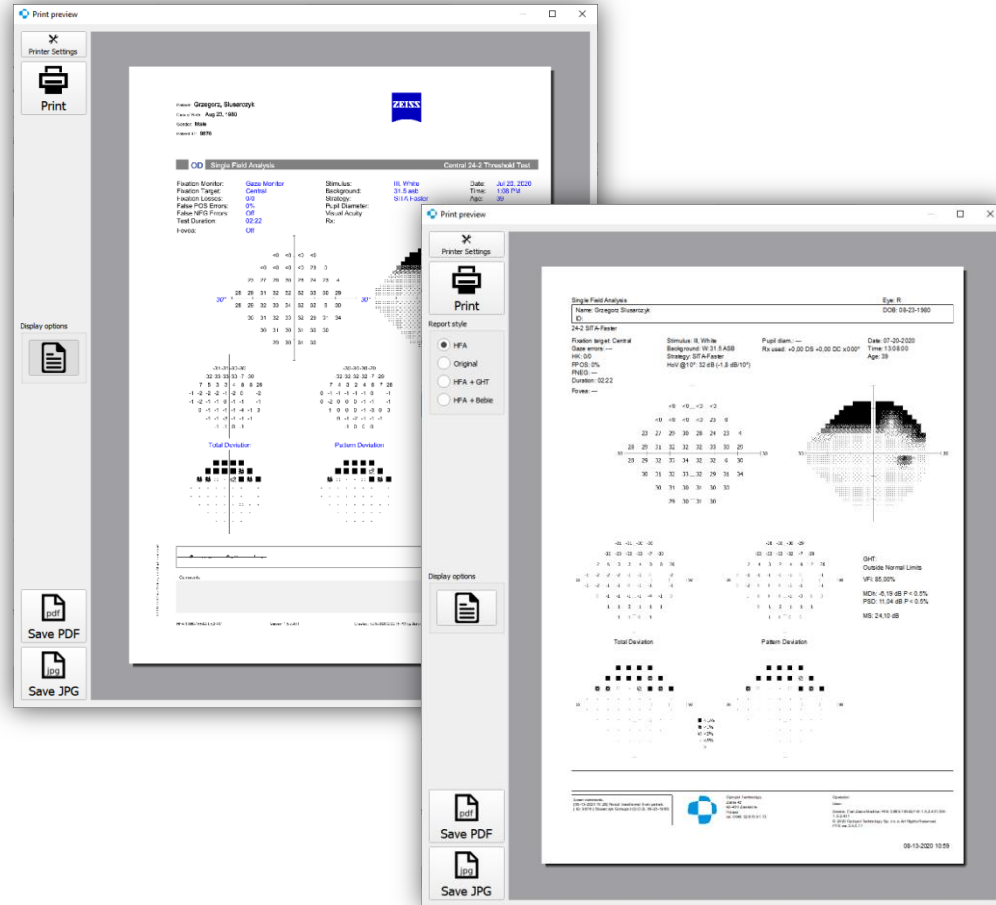
- Exports PTS results to Dicom SOP Class for OPV modality: Ophthalmic Visual Field Static Perimetry Measurements Storage, UID 1.2.840.10008.5.1.4.1.1.80.1,

- Open and universal format for EMR data exchange

- Dicom OPV with PTS 920/925W/2000 results can be exported and imported to the PTS software

| Tag	Attribute Name	Def VR	VM	Values
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(0008,0013)	Instance Creation Time	TM	1	144303
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(0008,0080)	Institution Name	LO	1	Optopol Technology
(0008,0081)	Institution Address	ST	1	Zabia 4242-400 ZawierciePoland
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(0008,1070)	Operators' Name	PN	1	perimeter;;;
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(0020,000e)	Series Instance UID	UI	1	1.2.276.0.7230010.3.1.3.3012323659.15828.1597322583.865

Kinetic examination controls

- Manual isopters drawing and modification for improved control over the kinetic results

- Assigning custom colors to isopters

- Retesting a vector with a single click in examination interface
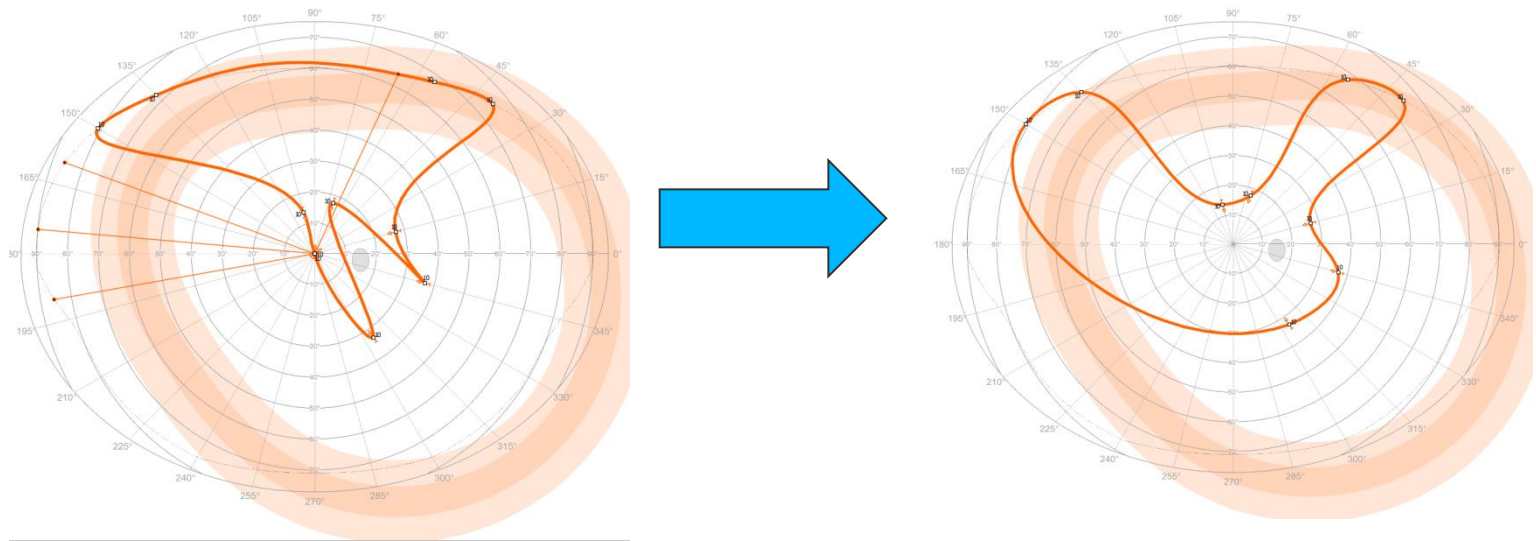
Quick Blind Spot detection

- New method of finding Blind Spot with use of 1 – 27 test locations

- More flexible - better coverage of potential blind spot areas (18°x 6°) – works in cases when „classic" method fails

- Faster identification– often just 3 exposures are enough to identify the Blind Spot (vs 12 in „classic" method)

- Available only for PTS 2000

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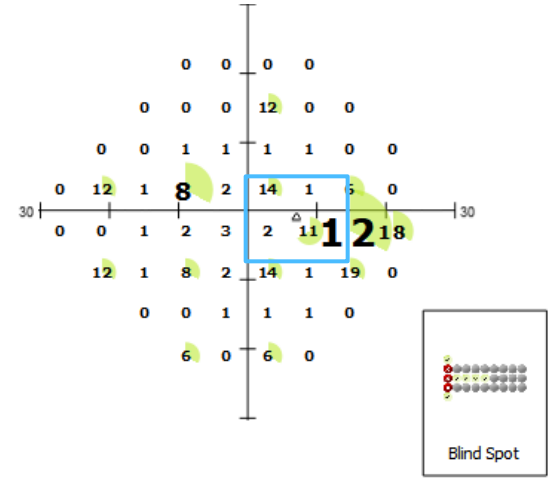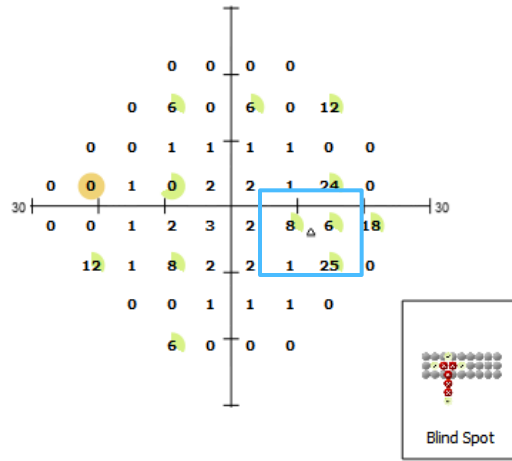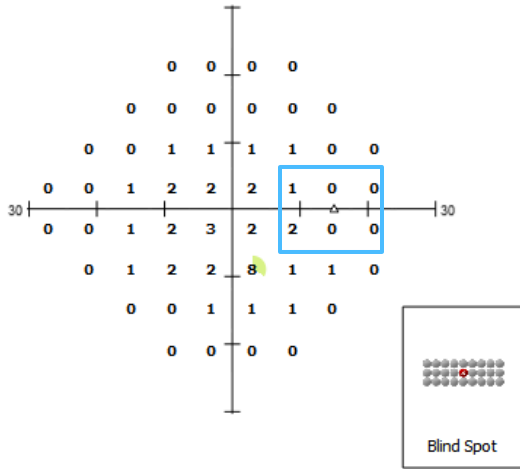
- **Providing VF numerical results with probability results for retina map overlay**

  - The pattern deviation probability symbols are exported with a location within VF and can be presented as an overlay to the retinal NFL thickness or significance

- **Added flexibility in matching PTS patient to SOCT**

  - If the name or surname are not ideally matching or are swapped, SOCT will present list of similar patient records form PTS database

Other improvements

- FeV G1 and FeV G2 test fields

  - Special „Driving license" fields available for PTS 920 and PTS 2000

- Retest the Blind Spot area

  - When the patient has changed slightly position or Blind Spot was invalidly evaluated at test start, it is possible to re-evaluate the Blind Spot during the test phase.

- Selector for GazeTracker 1.0 or 2.0

  - Additional possibility to select GazeTracker 1.0 when the test duration is the most important factor (GT1.0 does not repeat exposures when the blink occurred and patient did not react to exposure)

- Reanalysis of HFA 2 imports

  - All new and previously imported HFA exams are reanalyzed and exact values of TD, PD deviations, probability symbols and indices are extracted. This allows to reprint the HFA results with use of PTS templates (Bebie plot, sectors graphs).

- Camera brightness adjustment

  - Possibility to improve the pupil detection in case of too bright or too dark camera image