



SYSTEM INCLUDES:

- CellChek SP Specular Microscope
- Minicomputer
- KSS-407 software
- LCD monitor
- Motorized instrument table
- Color printer
- Mirror disk for data backup
- One-year limited factory warranty
- Optional extended warranties

FEATURES:

- Automated or manual image capture
- Automated central pachymetry
- Central and peripheral image target zones
- Fully or semi-automated image analysis
- Center method image analysis
- Flex center method image analysis
- Statistical analysis
- Patient history graphical trending
- Automatic data backup to mirror disk
- Remote-enabled service & support
- Network and EMR capability



SYSTEM INCLUDES:

- CellChek XL Specular Microscope
- Minicomputer
- KSS-409 software
- LCD monitor
- Motorized instrument table
- Color printer
- Mirror disk for data backup
- One year-limited factory warranty
- Optional extended warranties

FEATURES:

- Automated or manual image capture
- Automated central and peripheral pachymetry
- Central and peripheral image target zones
- Fully or semi-automated image analysis
- Center method image analysis
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CellChek XL/SP Specular Microscopes



DISTRIBUTOR:

KONAN™
M E D I C A L

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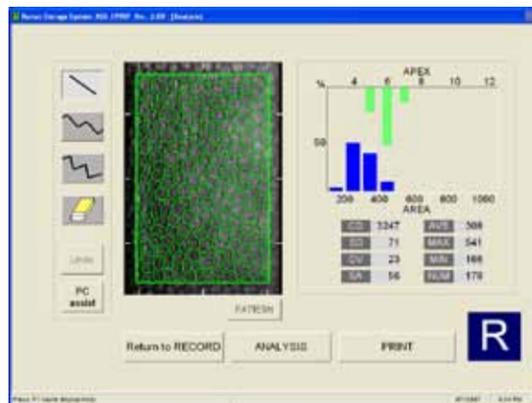
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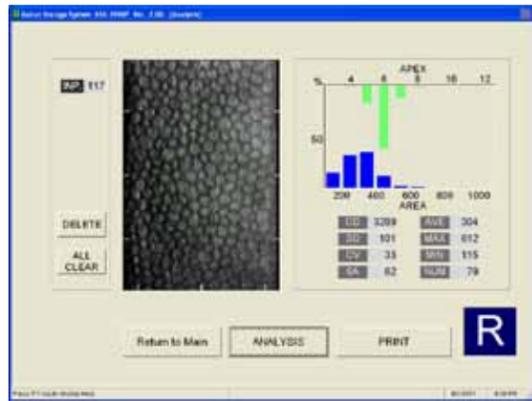
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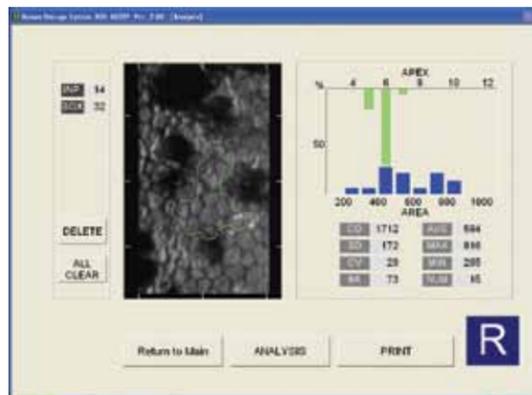
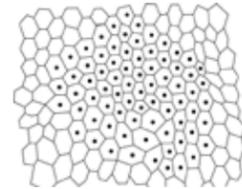


AUTOMATED IMAGE ANALYSIS

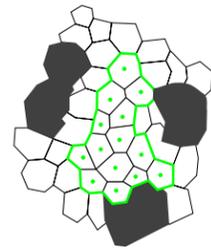
Analysis of endothelial cell density has never been easier. CellChek SP and XL Specular Microscopes both come loaded with automated analysis software that can be used for most patient images. Click once, and the software maps the image and creates a cell boundary overlay. Click again, and the software analyses the image and provides endothelial cell density, coefficient of variation (CV), hexagonality (6A), and average cell size data. The analysis takes seconds, and reduces the entire exam time to less than a minute. At your discretion, adjustments to the overlay pattern can be made quickly and easily using a variety of drawing tools.



CENTER METHOD IMAGE ANALYSIS



FLEX CENTER METHOD ANALYSIS



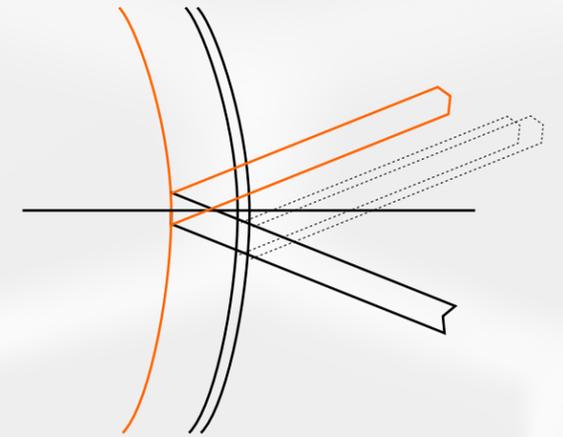
For images with pathologies such as guttata, where a limited number of adjacent cells are available for analysis, Konan's flex center method can be used. The software allows you to mark the corners of all cells on the periphery, and the centers of, adjacent cells within the image. Once this is done, analysis is performed using all the cells within the perimeter, providing endothelial cell density, coefficient of variation (CV), hexagonality (6A), and average cell size data.

HOW DO CELLCHEK SPECULAR MICROSCOPES IMAGE THE CORNEAL ENDOTHELIUM?

Konan Medical's sophisticated, patented technology makes use of changes in the refractive index of the cornea to detect and precisely focus on the endothelium. At the push of a button, the system quickly focuses, shoots and stores the image.

Most of the structures within the eye are optically transparent. For example, in a normal eye most visible light is transmitted through the corneal tissue. However, visible light can also be absorbed or reflected by the corneal tissue. Reflection of light within the cornea and within the eye is produced when different structures have different indices of refraction. Konan's patented technology makes use of changes between the refractive index of the endothelial cells and the refractive index of the aqueous humor.

As the projected light from the microscope passes through the endothelium and into the anterior chamber of the eye, the image capture software focuses on the interface between the endothelium and the aqueous humor and captures the image.

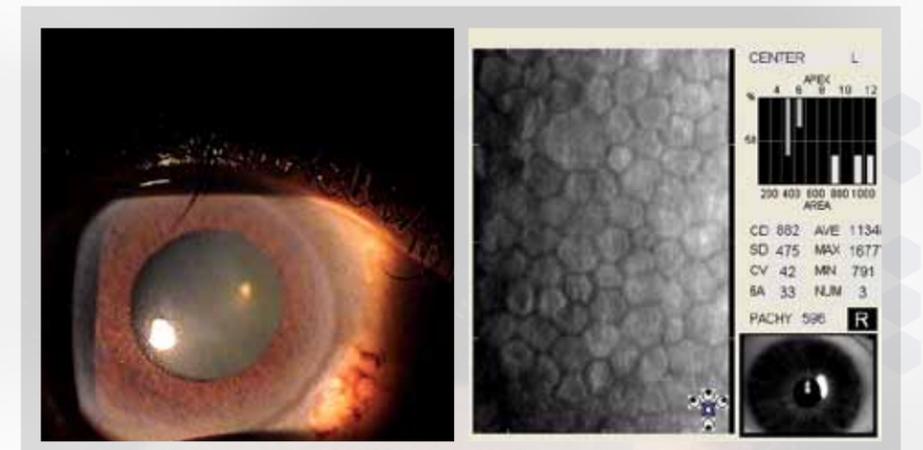


COMPARATIVE DATA

Patient data from previous visits can be easily located and compared, providing you with a graphical tool for monitoring patient progress.



EXAMS IN UNDER
30 SECONDS



1-JP Pat. 3,265,044, US Pat. 5,523,212

2-JP Pat. 2,608,852, US Pat. 5,548,354

3-Konan's noncontact optical pachymetry has been shown to give corneal thickness results which are more repeatable than traditional ultrasound pachymetry, with less potential trauma to the cornea.