

Unknown Risk or Informed Decision?

Contemporary ophthalmic surgery includes appropriate tools to rule-in cases likely to experience an improved human condition.

Premium IOLs and ICL / P-IOLs have raised the bar on expectations for surgical high-performance. Konan provides exceptional tools for pre-operative corneal assessment.

Critical Issues

Low endothelial density (ECD)

- Very poor estimation / visualization using standard biomicroscopy
- Low ECD does occur with clear corneas
- Low ECD does occur with normal pachymetry
- Critical to discover pre-operatively low ECD to help avoid corneal decompensation after what would otherwise be routine cataract surgery / phakic IOL / other corneal surgery

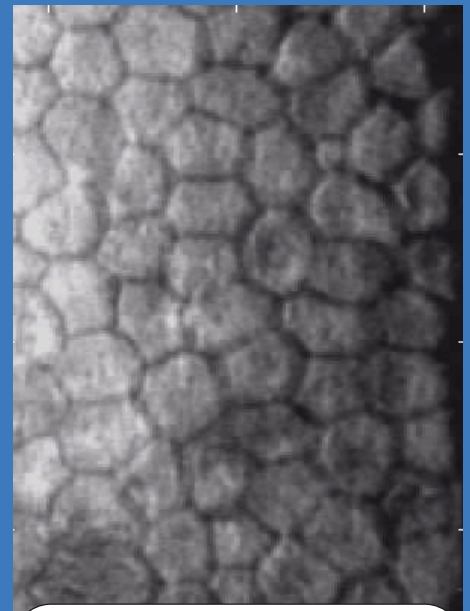
Inaccurate density estimation without use of specular microscopy

- Poor precision and reproducibility of non-specular method ECD assessments
- No assessment of morphometric endothelial dystrophies
- ICLs and P-IOLs are high precision, elective refractive procedures requiring ECD assessment (FDA device labeling as required assessment)

Konan Specular Microscopy:
FDA study proven and the only
non-contact FDA 510(k) cleared*
specular microscope.



CD=623 Pach=553
very high surgical risk



CD=883 Pach=531
very high surgical risk

*product code "NQE" as available under FDA 510(k) database:
<http://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfpmn/pmn.cfm>

KONANTM
MEDICAL USA

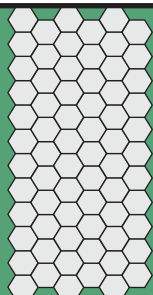


CORNEAL ENDOTHELIUM CELL STRUCTURE

KONANTM
SPECULAR
MICROSCOPY

Your doctor uses the highest quality Konan corneal cell analysis system ...
another commitment to excellence in the care of your most precious sense - vision.

NORMAL
CELL STRUCTURE



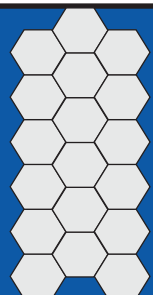
High density, low sizes
& shapes variation

CD=2849
CV=26 Hex=58

Normal endothelium, high
density, good morphology

Normal
endothelium

LOW
CELL DENSITY



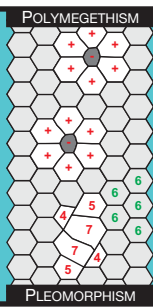
CD=623 Pach=553
very high surgical risk

CD=789
very high surgical risk

CD=832
very high surgical risk

CD=883 Pach=531
very high surgical risk

POLYMEGETHISM
& PLEOMORPHISM



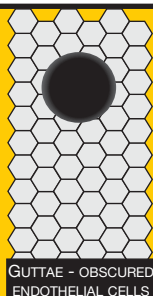
Polymegethism
& Pleomorphism

Extended wear contact
lens problems, guttata

Extended wear contact
lens problems

Topical pharmaceutical
induced endotheliopathy

DYSTROPHIES
& TRAUMA



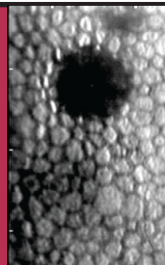
Vesicular posterior
polymorphous dystrophy

"I.C.E." Iridocorneal
endothelial syndrome

Corneal
trauma

Post cataract
surgery

GUTTATA
AND FUCHS'



Guttata with
normal cell density

Guttata, polymegethism
& pleomorphism

Guttata (advanced)
with high cell density

Guttata
(advanced)

Fuchs'
dystrophy