

PRELASIK EVALUATION

BY

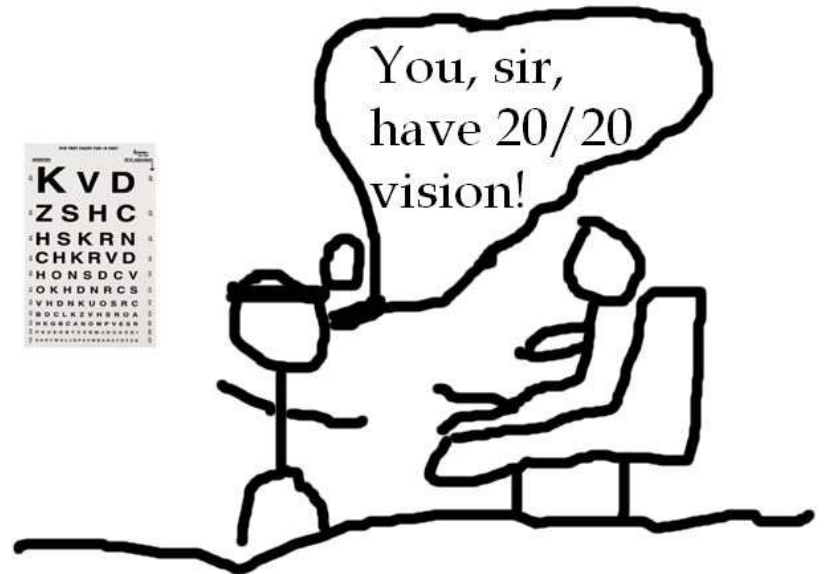
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Includes

1. Accurate refraction evaluation.



2- Corneal topography

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Aim of corneal topography

To avoid post lasik
ectasia by
exclusion of
suspicious cornea



Refraction:

Like glasses with following tips:

In Myopia :

Correct the full correction especially in young candidates

In Hypermetropia:

Over correct due to high liability of regression in HMT

Importance of cycloplegic refraction

In Myopia :

- Cycloplegic < manifest
- Avoid difference > 1Ds

In Hypermetropia :

- Cycloplegic > manifest
- May be marked difference
- Be near cycloplegic in tttt



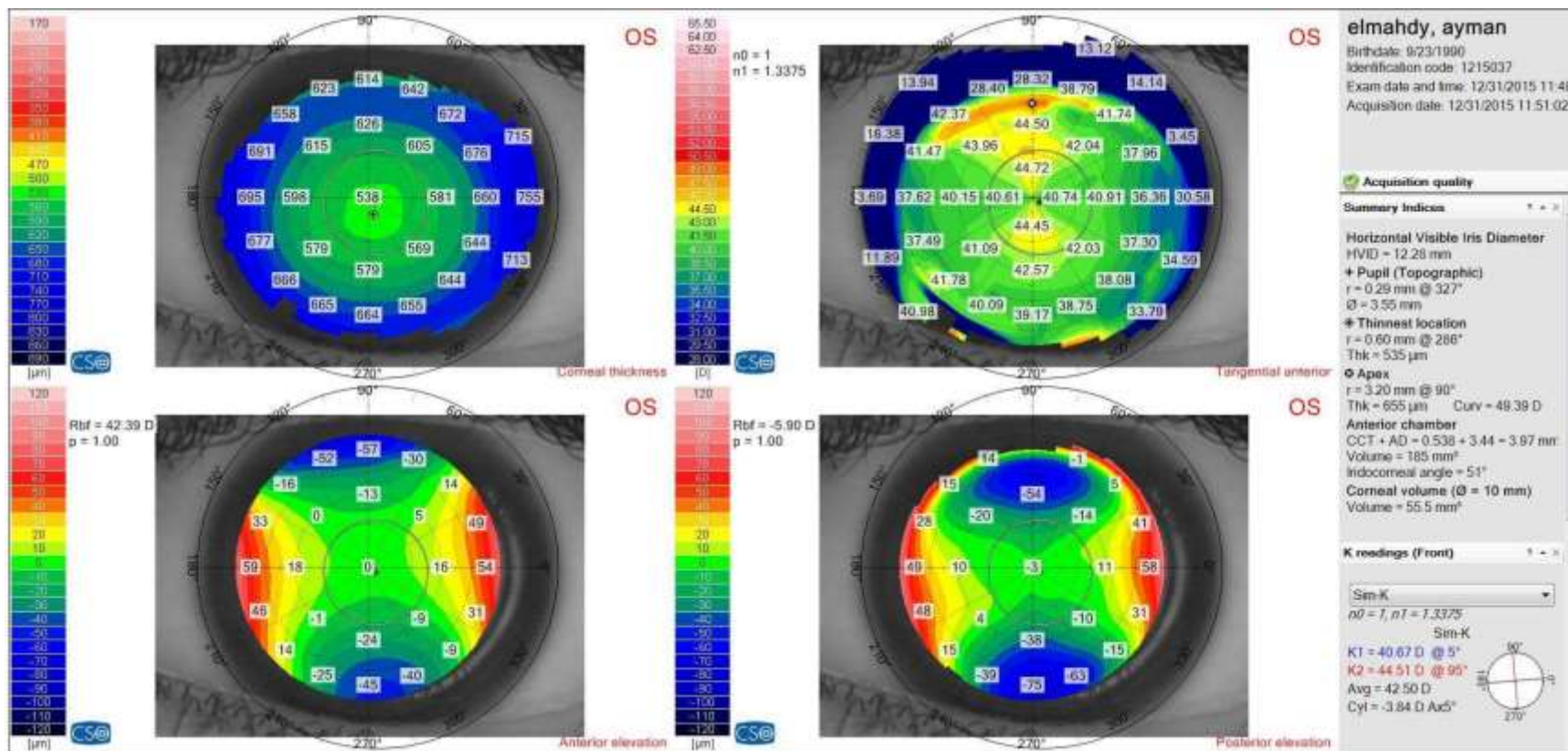
What Pentacam says to us???

- Pachymetry map
- Keratometry map (K1,K2,Kmax)
- Elevation map
- Provisional diagnosis: Keratoconus Summary (Sirius device)
- Aberration map
- Scheimpflug imaging

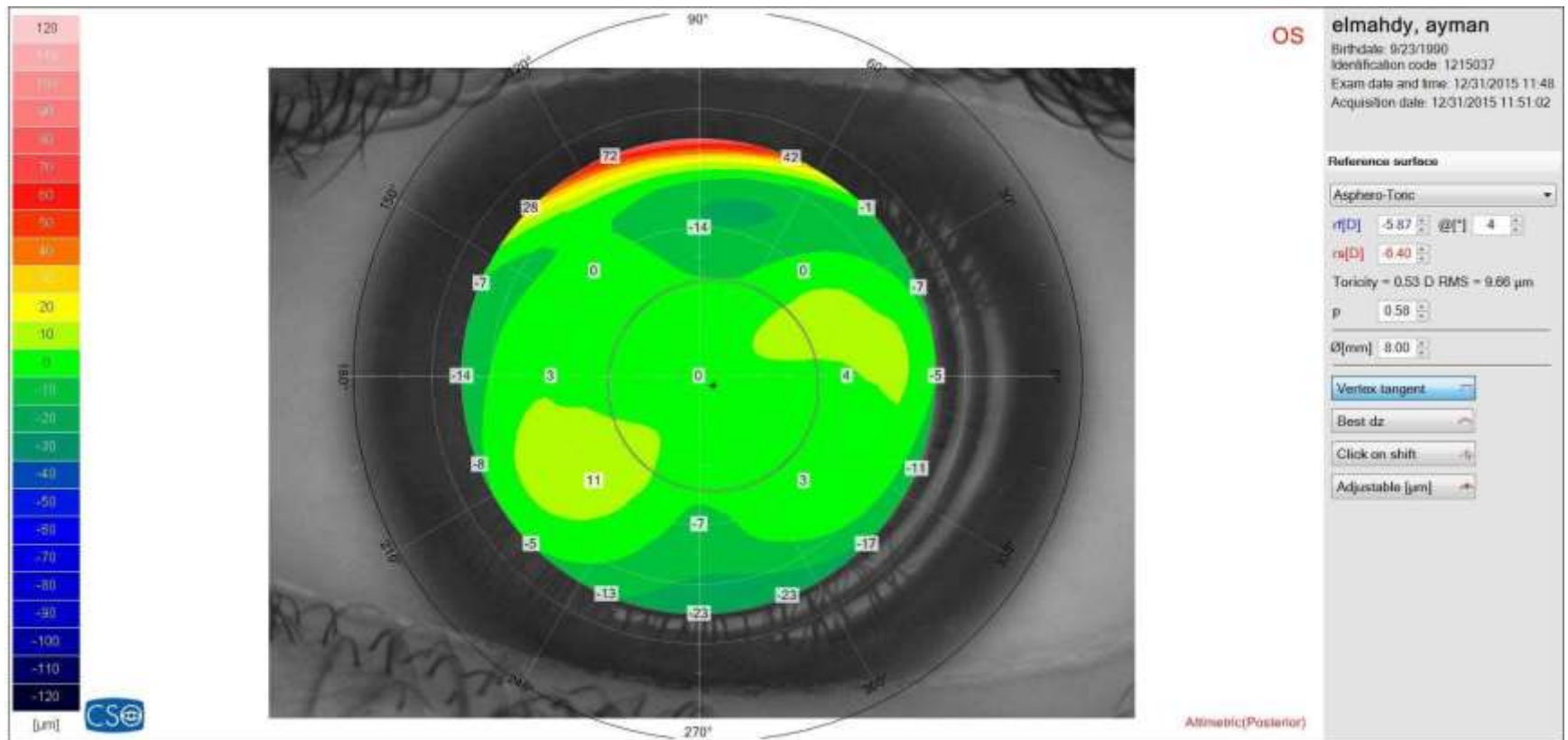
Examples



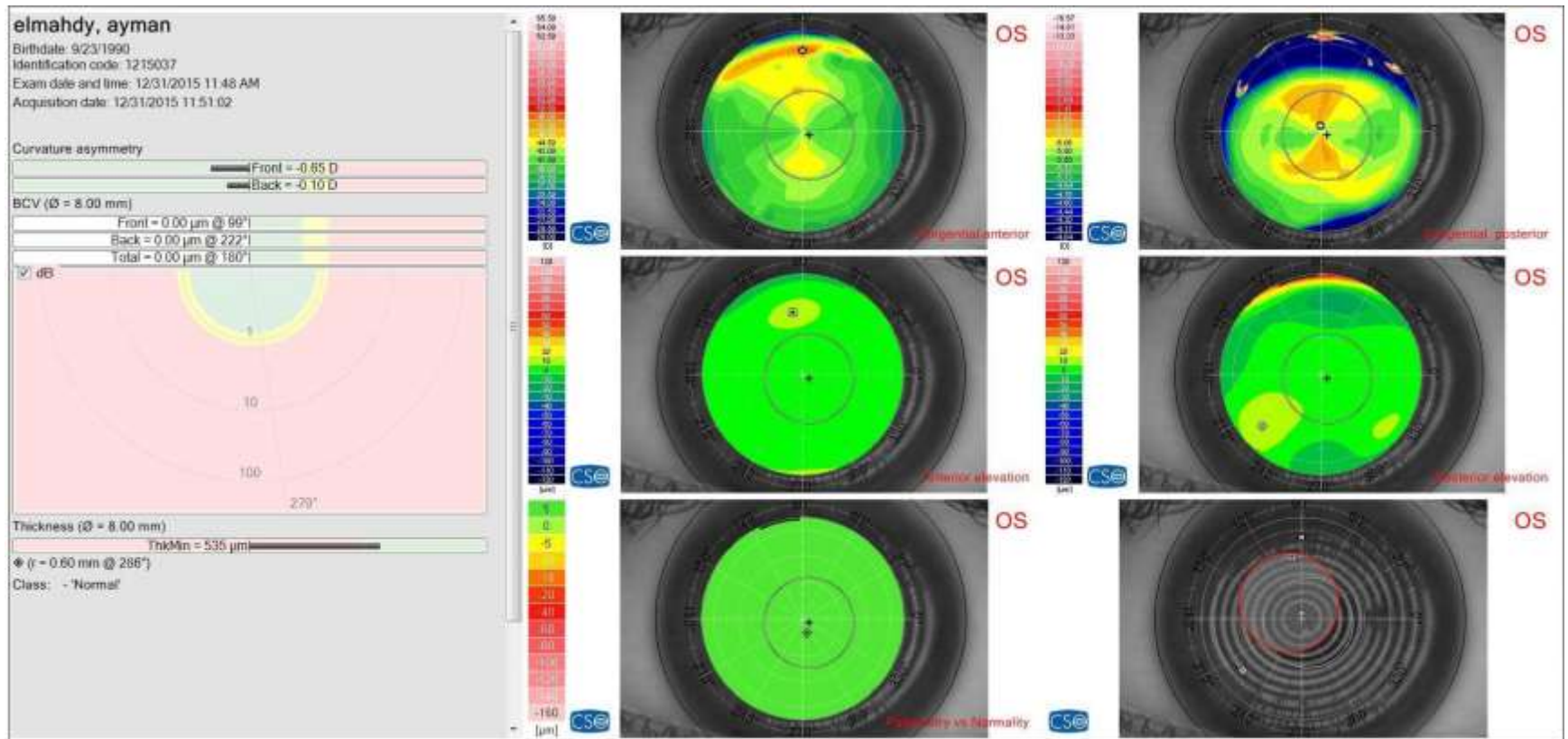
4 Maps



Aspherotoric map



Keratoconus summary map



4 Maps: Inferior steepening

