

BACKGROUND

- 90
- 20 years ago, diagnostic instruments available today did not exist
 - · Corneal topography was already developed
 - Corneal Tomography was starting spreading (Orbscan, Pentacam)
 - Corneal OCT did not exist
 - No precise pachymetry, no hysteresis, no gene testing, ecc.
- → Not the same experience and knowledge of today

BACKGROUND



- 20 years ago, surgical instruments available today did not exist
 - Mechanical and not FS laser microkeratomes
 - Broad beam and not flying spot excimer laser
 - Deeper ablations
 - No corneal cross-linking



Related to surgery what is called "EXPERIENCE" is just the sum of all mistakes we have done

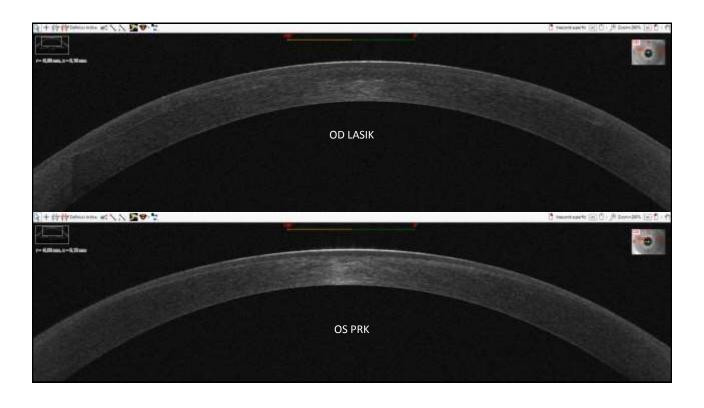
Rosario Brancato, MD

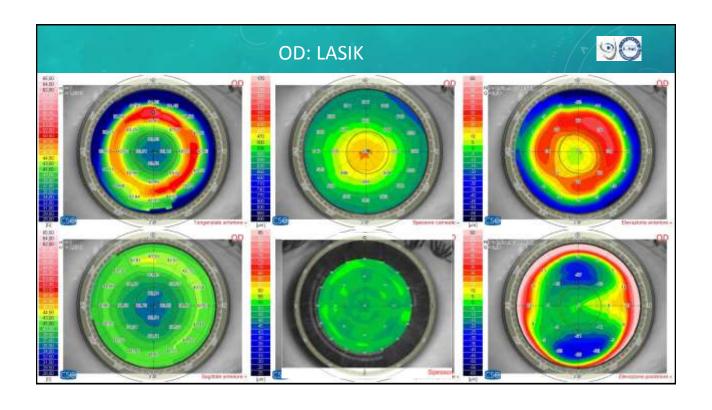


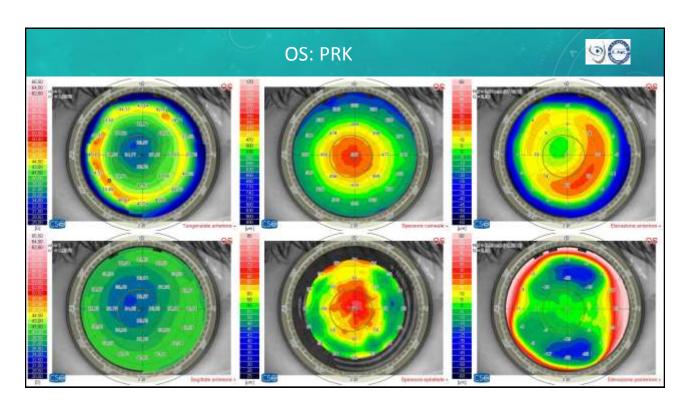
CORNEAS TREATED BY PRK AND LASIK 20 YEARS AGO

- All patients coming from personal experiences
- Analyzed using a technology that was not existing 20 years ago
 - High resolution spectral domain OCT and placido disk-based corneal topography (CSO MS-39)
 - Corneal structure
 - Corneal epithelium
 - Corneal curvatures, heights









MOST INTERESTING FEATURES OF EYES TREATED 20 YEARS AGO • Epithelial hyperplasia, thickening in the center • Impact on refraction?

- May explain overcorrection when treating by PRK
- Structural integrity
 - Changes in the posterior and anterior curvature (ectasia)

