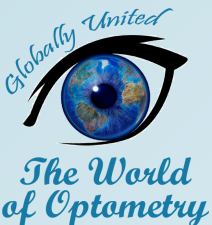
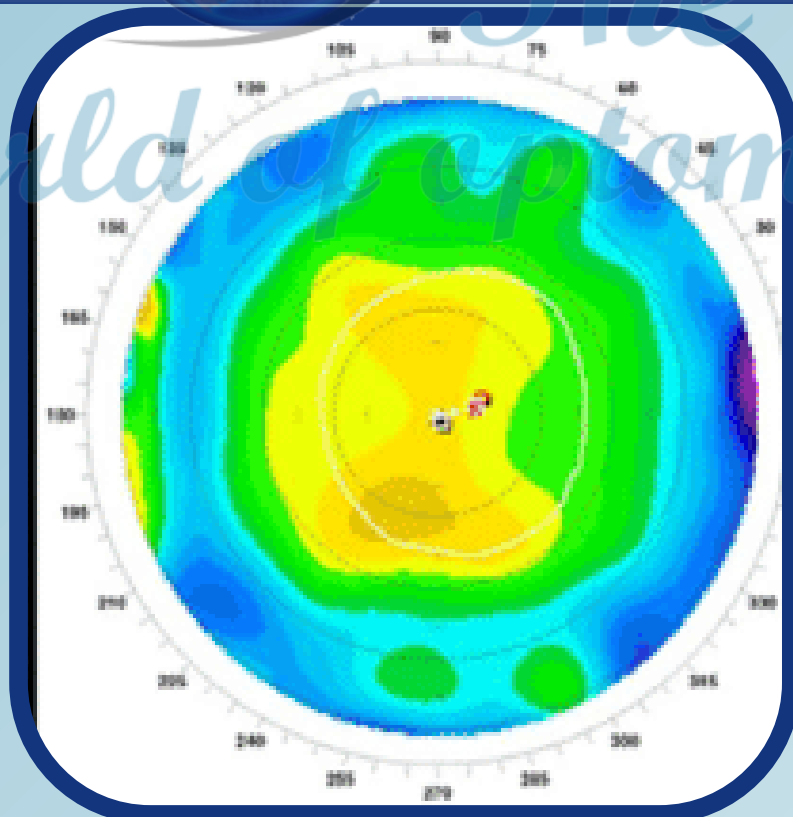


TWOP Discussion

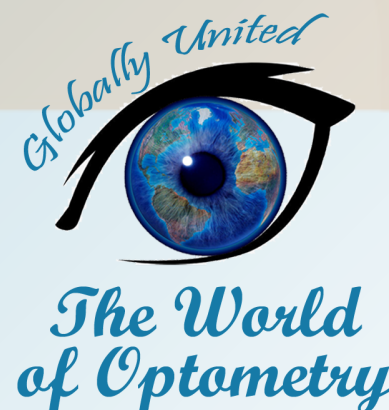
Globally United **CORNEAL WARPAGE**



#TwopDiscussion

INTRODUCTION

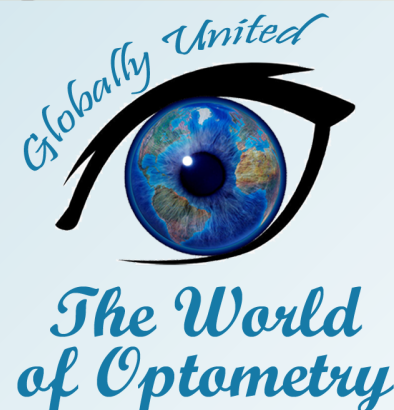
- A mechanical action produced by poorly applied contact lenses (**especially RGP lenses**) is the deformation of the corneal profile called "**corneal warpage**". Typical in this case the appearance is of irregular astigmatism. The patient complains of seeing less with glasses, especially after removing the contact lenses.
- The corneal warpage is **very frequent** in **clinical practice** in fact, it often happens to see RGP lenses wearers for many years who have numerous glasses with often very contrasting dioptric powers and with which they still see bad.



#TwoPDiscussion

CORNEAL WARPAGE

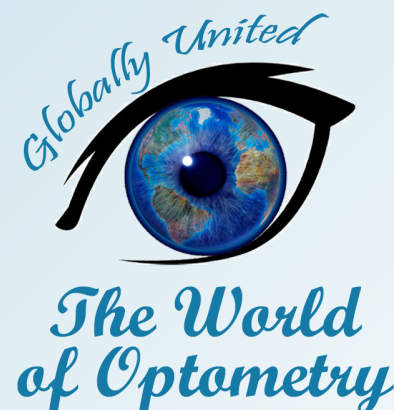
- Here is a summary of the most significant clinical findings and we deal with the **therapeutic measures**.
- The corneal profile in the warp page almost always tends to flatten centrally with variation (and often inversion) of the **corneal eccentricity** and to **curve** towards the periphery of the lower sector.
- This curvature produces a topographical picture of **ectasia as in keratoconus** and for this reason, corneal warp page is also called **pseudokeratoconus**.



#TwopDiscussion

ANALYSIS

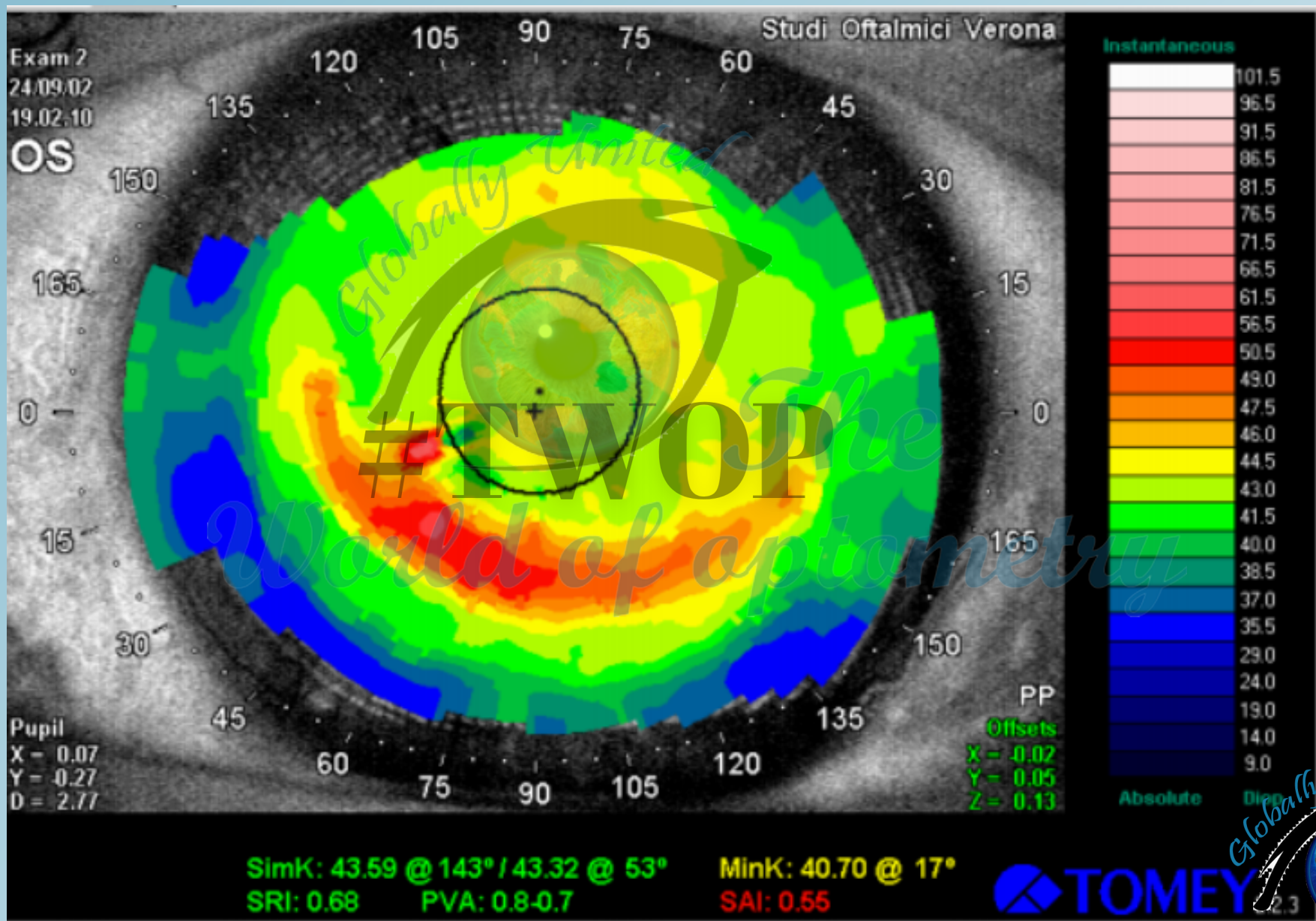
- In reality, a careful **topographical** analysis is often sufficient for the differential diagnosis. Among the most typical signs we can briefly mention the "**arc of a circle**" curvature (fig. 1) evident in the corneal warpage with tangential calculation and the evaluation of the profile of the vertical meridian which in keratoconus is always much more asymmetrical while in warpage it is more adjust in the central area where the lens rests.



DRAG TO THE SIDE
DRAG TO THE SIDE

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ANALYSIS

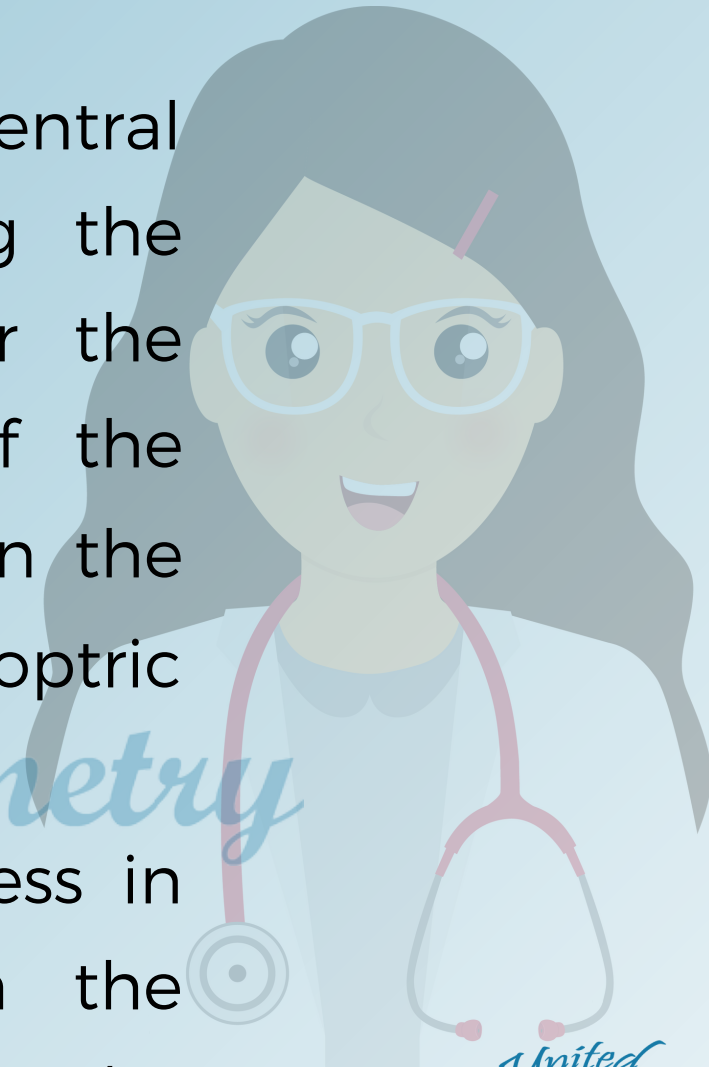


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ANALYSIS

- If we know the patient's average central keratometric values before applying the lenses, very often they result, after the appearance of the **deformation** of the **profile**, of **greater dioptric power** in the keratoconus and similar or lower dioptric value in the **warpage**.
- The measurement of corneal thickness in the ectasia site is also useful in the differential diagnosis: in this problem (as opposed to keratoconus) there is no significant **reduction in thickness**.



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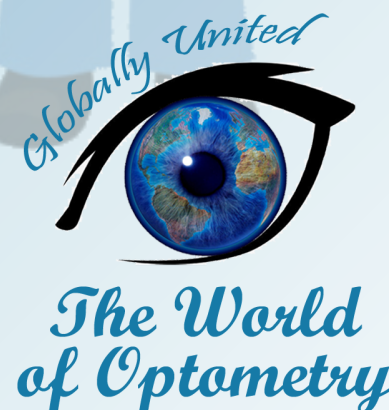


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CORNEAL WARPAGE

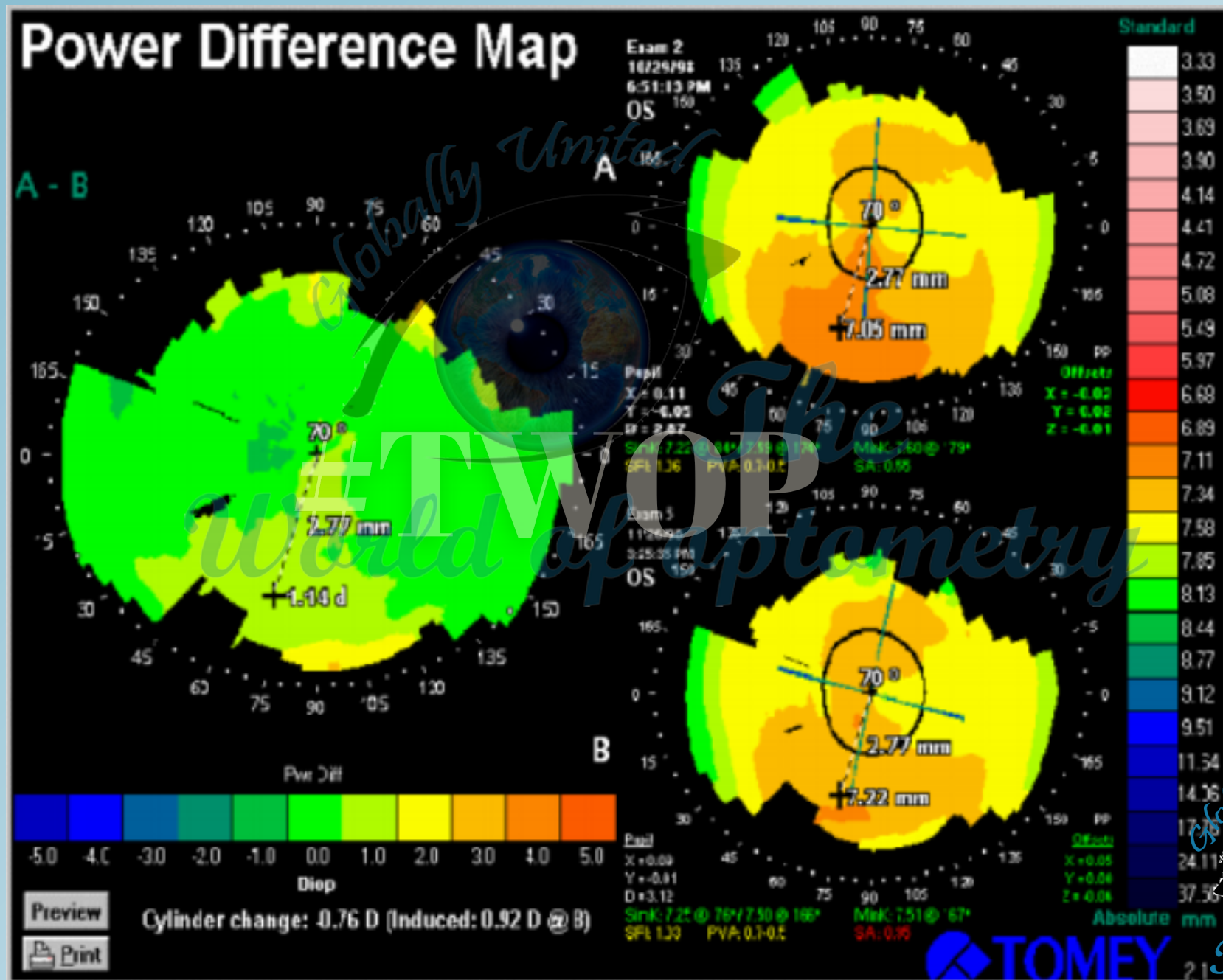
- The **corneal warpage** spontaneously regresses with the **suspension of the contact lenses** and the differential diagnosis of certainty, it is precisely with the comparison of topographic maps over time, (fig. 2).
- The timing of the **regression** is very different from case to case, (fig 2). We have seen marked deformations disappear in a **week** and others last for many **months**. The reasons for these differences are not known to us.



DRAG TO THE SIDE
DRAG TO THE SIDE

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ANALYSIS



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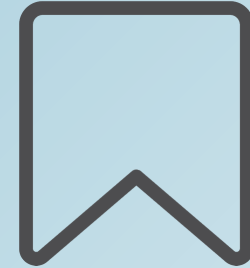
Wow, what cool content



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