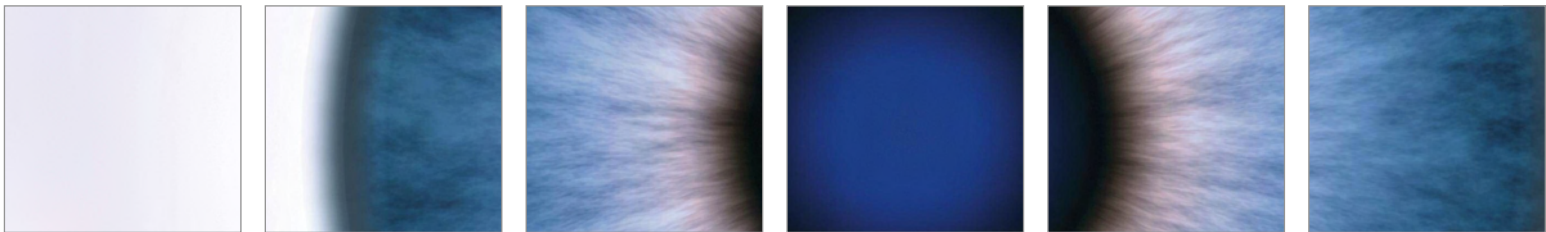


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NEW!

ZYOPTIX® Personalized Treatment Advanced (PTA)

Our best excimer procedure ever

ZYOPTIX® Personalized Treatment Advanced (PTA)

Our best excimer procedure ever

The best quality of vision available today

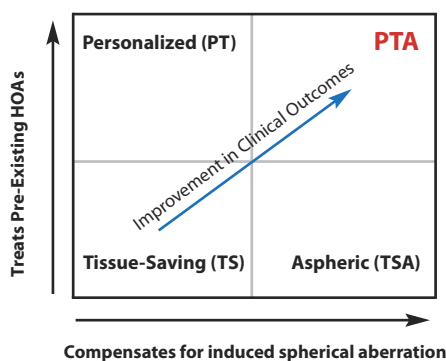
Aberrations of the eye, especially spherical aberration, can cause significant visual disturbance with symptoms such as glare, halos and night driving problems.

Standard LASIK procedures do not reduce pre-existing aberrations. In fact, higher-order aberrations are increased postoperatively, especially spherical aberration. Personalized Treatment Advanced (PTA) treats **myopia, hyperopia, astigmatism**, and takes out pre-existing and compensates for surgically-induced aberrations.

PTA is a premium procedure that offers the patient **the best quality of vision available today.**

The evolution of the ZYOPTIX® algorithms

Planoscan Tissue Saving	Standard LASIK algorithm Corneal tissue saving of 15-25% per diopter
Aspheric	Minimizes LASIK-induced spherical aberration
Personalized PTA	Improves visual quality Combines Aspheric and Personalized to treat HOAs without inducing spherical aberration



PTA - the ultimate algorithm by Technolas Perfect Vision

Personalized Treatment Advanced (PTA) is our latest and most advanced algorithm which treats HOA without inducing spherical aberration, allowing for optimal postoperative visual performance. PTA provides the best visual outcomes today thanks to enhanced performance and safety, using state-of-art technologies, including:

Iris Recognition for **enhanced safety**

The multi-dimensional rotational eyetracker Advanced Control Eyetracking (ACE™) Technology for **unsurpassed precision** and accuracy

Advanced Personalized Technologies (APT) for **enhanced ease of use**

ZYOPTIX® Advanced Nomogram for **enhanced predictability**. Compensates for the interaction between aberrations and reduces dramatically the **retreatment rate down to less than 1%***. Advanced Nomogram is now **available for customised hyperopia procedures**.

** "Since I have been using the Advanced Nomogram my retreatment rate is less than 1%. The Advanced Nomogram assures high predictability, accuracy and the best visual outcomes for the complete patient satisfaction"*

Erik Mertens, MD
Antwerp Eye Center, Belgium

Without PTA

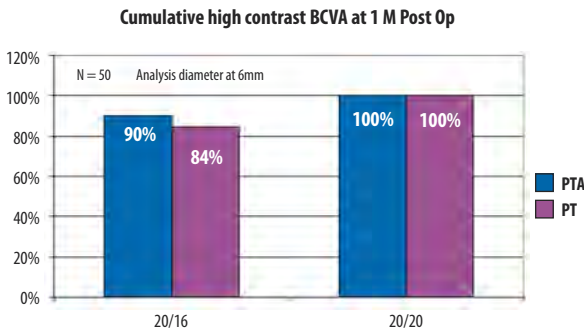


Personalized Treatment Advanced (PTA) multicenter clinical study results

PTA provides unsurpassed visual quality with a minimum change in Q values, an insignificant induction of spherical aberration and unmatched predictability.

A multicenter research trial comparing PT and PTA showed that **96% of the eyes treated with PTA and Advanced Nomogram were within +/- 0,50D¹**

PTA - unmatched visual quality



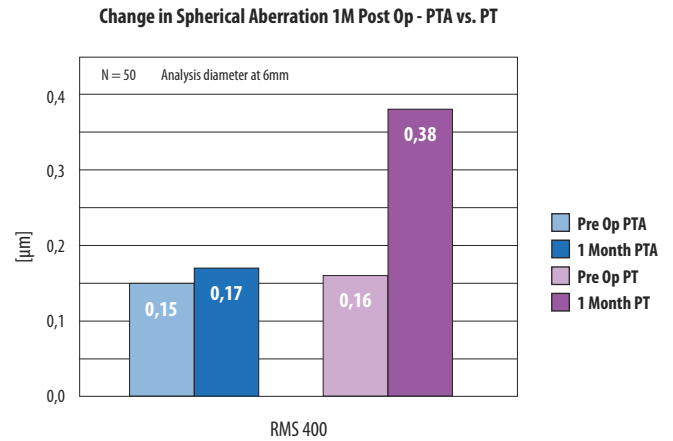
"PTA is truly the ultimate algorithm. PTA has eliminated the problem that doctors like us have induced in our patients such as induction of spherical aberration post-operatively."

Dr. John S Chang, Hongkong Sanatorium & Hospital

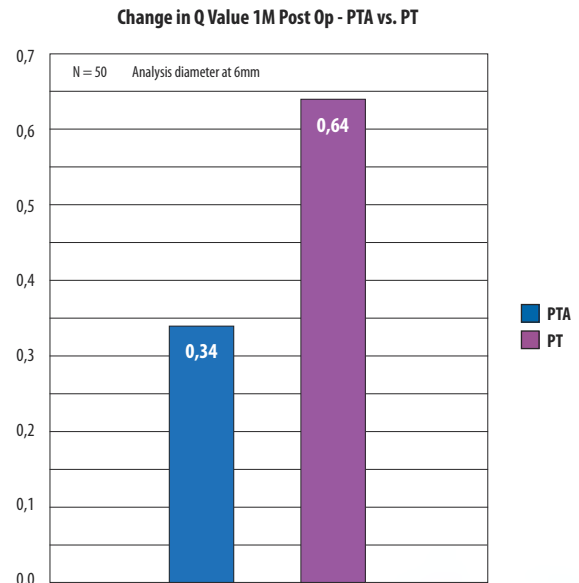
With PTA



PTA - insignificant induction of SA



PTA - minimum change in Q value



¹ Contralateral multicenter trial for the evaluation of safety and effectiveness of ZYOPTIX® PTA procedure. 51 eyes treated with ZYOPTIX® PT and 51 eyes treated with PTA. 50 eyes with 1M post-op follow-up. Study conducted by Dr Robert T. Ang (Asia Eye Institute, Philippines), Dr Noparat Sujaritchan (Rutnin Eye Hospital, Thailand) and Dr John S.M. Chang Jr (Hong Kong Sanatorium & Hospital).

The evolution of the ZYOPTIX® algorithms

	Myopia	Hyperopia	Astigmatism	Pre Op HOAs compensation	Post Op induced Spherical Aberration compensation	Advanced Nomogram
Planoscan	YES	YES	YES	NO	NO	NO
Tissue Saving	YES	YES	YES	NO	NO	NO
Aspheric	YES	NO	YES	NO	YES	NO
PT	YES	YES	YES	YES	NO	YES
PTA	YES	YES	YES	YES	YES	YES

ZYOPTIX® Personalized Treatment Advanced (PTA) treats myopia, hyperopia, astigmatism, and takes out pre-existing and compensates for surgically-induced aberrations. PTA - **our best excimer procedure ever** - is a premium procedure that **offers the patient the best quality of vision available today.**