

OPTIVISION

(Laser Refractive Treatment)

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TESA-S

TESA-S is a **Customized TESA (Trans-Epithelial Surface Ablation)** procedure performed using the **Schwind Amaris 1050RS** excimer laser.

Benefits

The **Schwind Amaris 1050RS** laser is currently the highest performing, fastest excimer laser in the market with an unprecedented 7D eye tracker. A shorter treatment time aided by a unique eye tracker produces accurate results.

Prior to the treatment, patients are subjected to measurements by the **Schwind Combi Wavefront Analyzer**, a powerful diagnostic system that provides complete corneal analysis and treatment planning.

Procedures

- 1) The eye is positioned well before the corneal skin (epithelium) is gently removed using excimer laser. This will allow laser correction to the inner layers of the cornea.
- 2) The excimer laser is then used to reshape the inner layers of the cornea, thus correcting the eye's power.
- 3) A bandage contact lens is then placed on the cornea to allow regrowth of the epithelium and is removed within 1 week.

Advantages (Amaris 1050RS)

- Fastest excimer laser in the world
 - shorter treatment time
- Automatic Fluence Level Adjustment (AFLA)
 - optimum smoothing of the cornea
- Intelligent Thermal Effect Control (ITEC)
 - optimal heat control to protect untreated areas of the cornea.
- 7 Dimension (7D) eye tracker
 - space and time eye tracking for better treatment accuracy and results.
- SmartSurf^{ACE}
 - allows a smoother and more precise removal of the epithelium for optimal vision quality and faster vision recovery compared to other surface ablation methods.

Advantages (TESA-S)

- Safe
- Fast and comfortable
- Bladeless
- Flapless
- Touchless
- Excellent vision quality
- Possibility in treating corneas with scars
- Save corneal tissue - safer treatment for thin corneas
- Upgradable to **ASA-PRO***

ASA-PRO* is a full wavefront-guided **ASA-S** for patients with poor initial vision quality and night vision. A wavefront-guided treatment is important to maximize vision results for these specific patients.

Note: This upgrade is only via the treating doctor's recommendation after a complete eye examination is done.