Customer Support

Kleinostheim, 31st January 2020

User Information no. A6.1_01-20

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Product: SCHWIND EXCIMER LASER AMARIS
Subject: AMARIS Application Software 6.1.2117.704

CAUTION
This document contains important information for all AMARIS users.

Dear Customer,

SCHWIND eye-tech-solutions provides this user information in order to inform you about the new release of AMARIS Application Software version 6.1 and relevant changes for an upgrade from AMARIS Application Software 5.0.

For an upgrade from AMARIS Application Software 5.0 to the newest version 6.1 the following changes are relevant:

1. Installation Package SP 6.1

Installation package SP 6.1 will include the new AMARIS Application Software version 6.1.2117.704 and a new SCHWIND CAM version 5.2.23.1904.

The relevant changes and new features for SCHWIND AMARIS are explained within this document.

Please refer to the User Information SCHWIND CAM “UI_CAM5.2_01-20_CAM-AMARIS_SW5.2.23.1904” for information about the relevant changes in the SCHWIND CAM software.

2. Dynamic Display of Total Ablation Zone

During Treatment, display of the total ablation zone (TAZ) in the eye tracking live image is now displayed dynamically and synchronized with the eye movements. In this way the surgeon is able to evaluate if the treatment will fit within the flap boundaries or if there is the risk that pulses will be placed in the hinge area.

Impressum: SCHWIND Circular letter, produced by the Customer Support Department of SCHWIND eye-tech-solutions GmbH subject to change
3. Integrated Digital Video Recording

If the SCHWIND AMARIS is equipped with the optional observer camera, the Application SW is able to record treatment videos that will be saved automatically on the hard disk of the panel PC.

**IMPORTANT NOTE**

The digital video recording function is only available with the newest Zeus Panel PC generation. In case an older Panel PC generation is used, a DVD-recorder is required in order to record treatment videos.

In the settings of AMARIS application software the user is able to decide if the video shall include the complete treatment from entering the treatment mode until exit or the ablation only. Furthermore, treatment videos can be reviewed or exported from the functions menu of the application software. The file format .webm is free of licences and can be played in video players of most web browsers that have the relevant codec installed.
4. **New “Relift” List in Treatment Assistant Manager**

An additional TAM list has been added to the Treatment Assistant Manager for the new “Relift” treatment option available in SCHWIND CAM software.

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**Figure 2:** Play and Export treatment videos

**Figure 3:** Relift TAM list
5. New Treatment Option PTK-KPL

A new treatment option for the SCHWIND CAM PTK module has been introduced. With the option KPL activated during PTK profile planning keratoplasty PTK profiles can be ablated with SCHWIND AMARIS allowing deep ablations in various shapes.

KPL-PTK treatments are linked to the AMARIS credit system and thus, an activation in your AMARIS laser system is needed once.

**IMPORTANT NOTE**

KPL treatments limit the eye-tracking dimensions automatically, i.e. the z-tracking with active rolling compensation as well as the pupil centre shift control (with changes in pupil size) are deactivated. This is intended. The reason: the use of ring masks for sharp corneal edges could lead to wrong information and wrong compensation values of these dimensions in the laser system. This is due to shadows and possible displacements of the ring mask. Deactivation of the dimensions mentioned above leads to correct ablation in any case (even with ring mask).

**IMPORTANT NOTE**

Please refer to the User Information SCHWIND CAM “UI_CAM5.2_01-20_CAM-AMARIS_SW5.2.23.1904” for information about the relevant changes in the SCHWIND CAM software.

**IMPORTANT NOTE**

The PALK-CAM module is removed from the SCHWIND CAM treatment planning software.

6. Eye Tracking Initialization at Treatment Start

In order to achieve a better Eye tracking quality the complete eye tracking system with all tracking dimensions will be re-initialized before starting the ablation when the foot switch is pressed.
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Should you have any questions regarding this news, please feel free to contact our Customer Support team +49/6027/508 350 or call the SCHWIND Hotline +49/6027/508 333.

Sincerely yours,

Jaroslavas Belovickis
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Division Product Management