

## Press Release

### **55 % of patient eyes achieve visual acuity of 20/16 or better Excellent three-month results for myopia treatments with the SCHWIND AMARIS**

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Current clinical results support that the new excimer laser generation, SCHWIND AMARIS, sets standards regarding treatment success and safety. The now existing three-month data of a multi-center LASIK study of 364 eyes confirm not only the very positive trend of the previously released one-month results, but also show even better results in visual acuity. By 3-months follow-up, 55 percent of treated eyes achieved a postoperative uncorrected visual acuity (UCVA) of 20/16 or better. By more than 95 percent, UCVA increased to 20/20 or better with the new SCHWIND laser. All patient eyes achieved a UCVA of 20/25 or better (see figure 1). The follow-up also impresses in the area of safety: After three months, 44 percent of treated eyes gained one or more Snellen lines. Even 7 percent of eyes gained two or more Snellen lines. (see figure 2) The reason for the improvement of the best spectacle corrected visual acuity (BSCVA) is the „Aberration-Free“ treatment with the SCHWIND AMARIS, which was used to treat all study participants and which minimizes the induction of higher-order aberrations.

The 3-months follow up also shows a high level of predictability and accuracy. Postoperatively an average spherical equivalent (SEQ) of  $-0.17$  D with a very low standard deviation of only  $0.24$  D was observed. In 75 percent of all treated eyes, the planned refractive result was achieved within a minimum deviation of  $\pm 0.25$  D in SEQ. 92 percent were in the range of  $\pm 0.50$  D and 100 percent of eyes within  $\pm 1.00$  D (see figure 3).

The study was conducted by the SCHWIND reference doctors Maria-Clara Arbelaez, MD, Oman, Francesco Carones, MD, Italy, Ioannis Aslanides, MD, Greece, Tobias Neuhann, MD, Germany, Carmen Barraquer, MD, Columbia, as well as Pavel Rozsival, MD and Alena Feuermannova, MD, Czech Republic. Treated patients were myopes, either simple or with astigmatism, between 18 and 60 years of age. The preoperative spherical equivalent (SEQ) ranged from -0.50 D to -8.25 D, and astigmatism was treated up to -5.00 D.

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