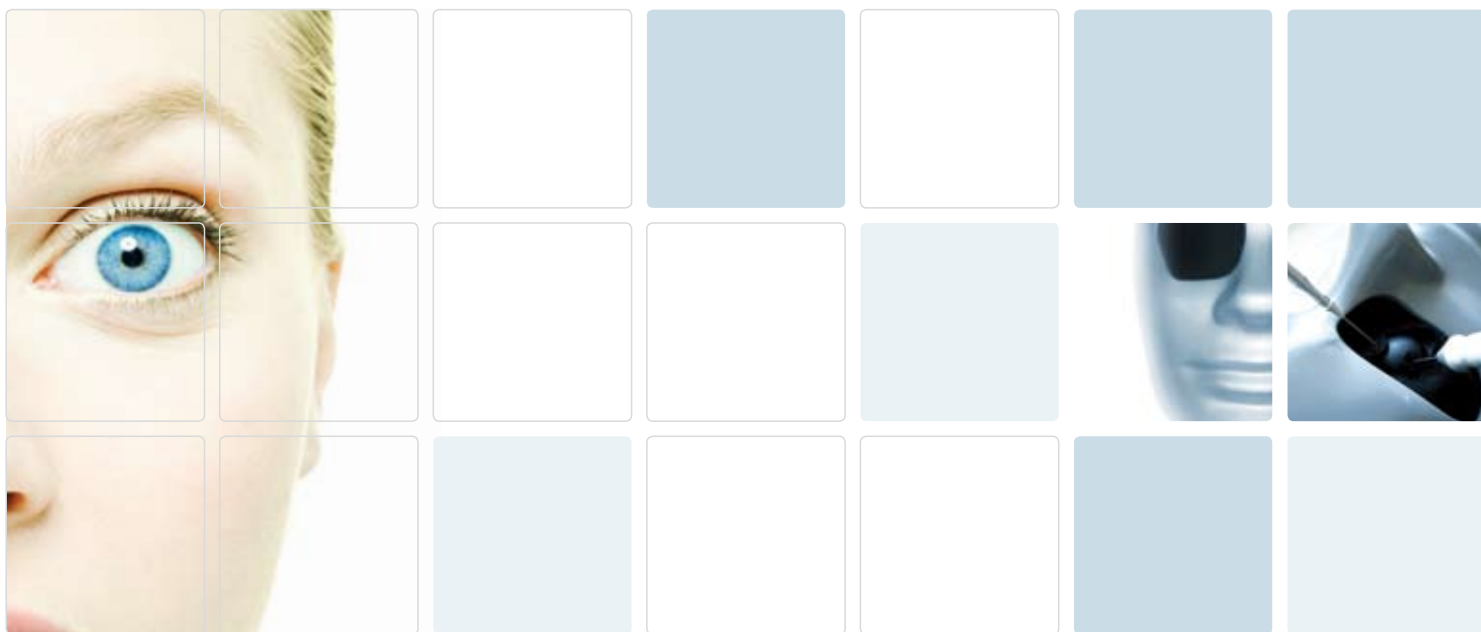


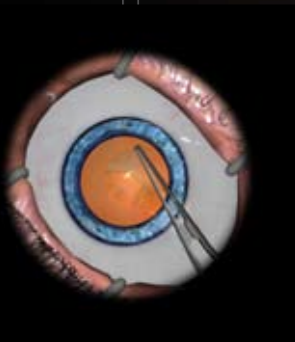
eyes*i*

The eye surgery simulator.



see training work!

EYESi is a highly sophisticated simulator for intraocular surgical training. Realistic simulation of cataract and vitreoretinal surgical procedures allows beginning ophthalmic surgeons to gain experience in a non-threatening environment with no risk to patients. Training modules cover standard and rare pathologies. Difficulties and complications can be added under controlled conditions. Multimedia training content allows trainees to study medical background information or observe trainer-compiled video demonstrations of a given procedure. EYESi opens up a new dimension in hands-on and true-to-life ophthalmic surgery training.



« Algorithms developed for EYESi allow the realistic biomechanical simulation of tissue in real-time.



EYESi – reducing the risk of complications to zero.



» The modular design concept of EYESi provides training of cataract and vitreoretinal surgery on the same platform.



EYESi – realistic and reproducible training at any time.



do it for real!

EYESi allows surgical skills to be developed and confidence gained prior to caring for a patient in a clinical setting. Realistic training is available at any time and independently of patient flow. Training modules can be tailored according to individual skill levels. Identical surgical situations can be repeated until they are fully mastered. The objective assessment and feedback features integrated in EYESi make it possible to track individual learning curves and document surgical abilities. Practice makes perfect. EYESi is the method of choice for state-of-the-art surgical training.



⏩
The hand-held instruments are inserted into the model eye. The surgical scenario is rendered to the EYESi stereo microscope.

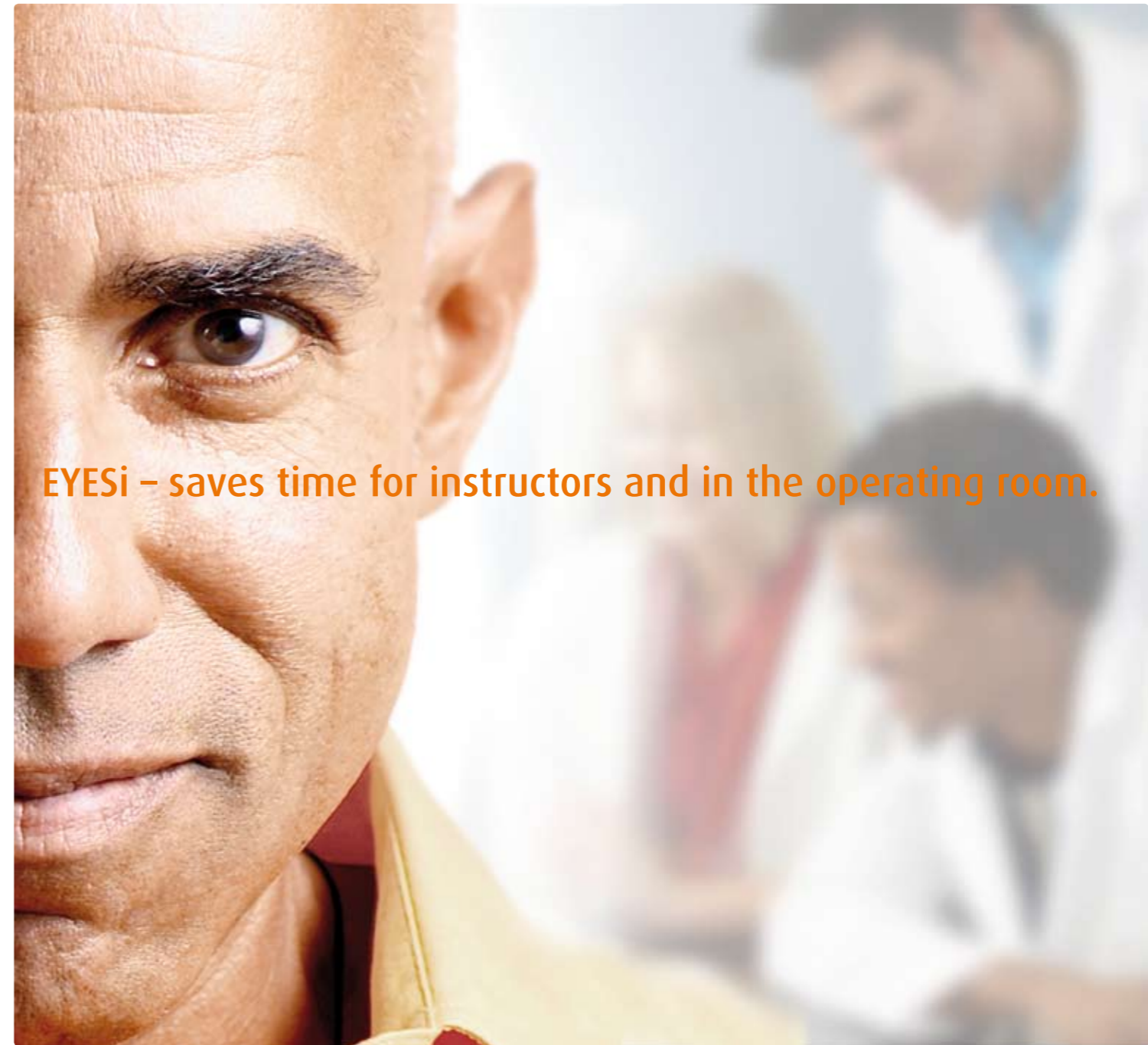
teach

the perfect way!

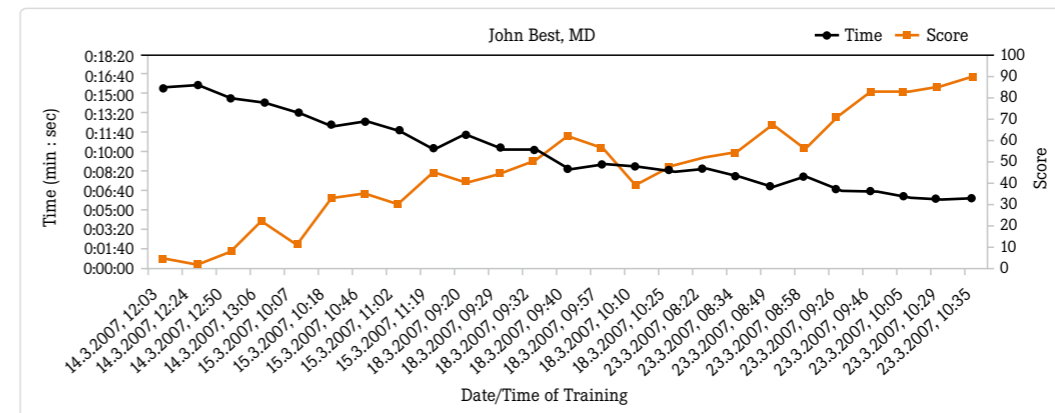
EYESi offers a highly-realistic experience in a virtual environment designed to provide the best possible learning conditions. An environment that allows surgical skills to be honed to perfection by performing well-defined tasks at an appropriate level of difficulty. The learning process is enhanced by immediate feedback and the opportunity to repeat procedures and correct errors. EYESi provides objective and detailed analysis of individual surgical performance. This allows development of training programs corresponding to student demands and comparison of skill levels over time. The integrated Course Editor can be used to draw up a broad-based curriculum while maintaining full control over course structure and individual training goals. The EYESi platform is flexible and easy to use and always keeps the focus where it should be – on the quality of medical training!



« Use and setup of EYESi is done intuitively. The system is controlled by using a touch screen. Interfaces for cataract and vitreoretinal surgery can be exchanged within seconds.



EYESi – saves time for instructors and in the operating room.



» EYESi records the individual training history and allows for detailed analysis of surgical performance.

» The EYESi course editor allows teachers to set up curricula which meet the exact demands of their students.

eyesi

The eye surgery simulator.



VRmagic GmbH
Augustaanlage 32
68165 Mannheim
Germany

Phone +49 621 400 416-0
Fax +49 621 400 416-99

VRmagic Inc.
245 First Street
Cambridge, MA 02142
USA

Phone +1 617 444-8761
Fax +1 617 444-8405

info@vrmagic.com
www.vrmagic.com

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