

Sources

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Price

298.00 € plus tax and shipping

How to order from “STZ biomed”

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Scientific questions

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Further information for Low Vision Clinic and Research Laboratory

www.uak.medizin.uni-tuebingen.de/sba

References

1. Roth T, Sokolov AN, Messias A, Roth P, Weller M, Trauzettel-Klosinski S (2009) Comparing explorative saccade and flicker training in hemianopia: a randomized controlled study. *Neurology* 72(4): 324-331
2. Roth T, Sokolov A, Messias A, Roth P, Weller M, Trauzettel-Klosinski S (2009) Sakkadentraining verbessert visuelle Exploration bei Hemianopsie: Eine randomisierte kontrollierte Studie. *Zeitschrift prakt Augenheilk* 30:403-410



Training for Hemianopia

Developed at the Low Vision Clinic,
Centre for Ophthalmology
University of Tuebingen

Training for Hemianopia

Developed at the Low Vision Clinic, Tuebingen

The aim is the better utilization of the total field of gaze by explorative eye movements towards the blind visual field.

The effect is better orientation in patients with hemianopia and therefore improved independence and quality of life.



Characteristics of the programme

- Explorative saccade training to compensate for hemianopic visual field defects.
- The PC software controls the training that presents search tasks repeatedly to the patient. Reaction time to find each object is measured.
- Scientifically proven: the effectiveness of the training has been demonstrated in a randomized and controlled trial 1, 2. Within 6 weeks, marked improvement occurred, which was stable also after the training. This shows that the new strategies learned during the training can be applied to every day life.
- After first instructions by the doctor, the simple handling allows independent training at the PC at home, in the office or clinic, even for patients without experience with a computer.

Modes of application

- **Diagnosis-specific**
For lesions of the visual pathways with homonymous visual field defects (hemianopia, quadrantanopia) after brain injury (stroke, trauma, tumour, etc.).
- **Disability-specific**
For orientation disorders due to homonymous field defects.

Areas of application

- **Private practice**
Ophthalmological and neurological practice
- **Clinic**
Low vision clinics and neurological rehabilitation institutions.
- **At home**
After instruction by the ophthalmologist or neurologist, the patient can train independently at home.
- **Research**
Documentation of the results, follow-up studies.

Protocol

Written automatically in Microsoft Excel format.

Documentation

Instructions for the patient, instructions for the professionals.

Hardware requirement

PC with Microsoft Windows XP TM / Vista TM / 7TM, 17 inch screen minimum.

The software is provided on a USB-stick.

