

## VISION RESTORATION THERAPY

Help for Vision Loss Caused by  
Stroke or Brain Injury



Improving Vision • Enhancing Patients' Lives

## ABOUT NOVAVISION

NovaVision, with offices in Germany, the UK and the USA, has a broad portfolio of scientifically supported therapies that both restore and compensate lost vision and address other vision issues resulting from neurological brain trauma such as stroke or brain injury.

VRT is NovaVision's lead therapy which is CE Marked and underpinned by 15 years research and is supported by more than 20 clinical studies.

*VRT can help increase  
how much you can see  
and ultimately how much  
you can do.*

*"Notable improvements were  
seen in 70.9% of the patients.  
Efficacy was independent of  
lesion age."*

A 302 patient study was reported by I. Mueller et al.; Restorative  
Neurology and Neuroscience 25 (2007) 563-572 IOS Press

## WHAT IS VRT?

VRT - or Vision Restoration Therapy - is a computer-based light stimulation therapy that can be performed at the patient's home. During a therapy session, light dots are presented on the screen in a way that they specifically stimulate impaired visual functions of the individual patient's visual field. To restore visual functions, regular and long-term therapy is needed. VRT is typically done for 20-30 minutes, twice daily, six days per week for approximately 6 months.

**Customised:** Therapy is personalised for the vision deficit and updated monthly.

**Non-invasive:** VRT does not require surgery or medication of any kind.

**Convenient:** Therapy is done at home and fits around the patient's schedule.

**Effective:** The majority of patients improve, regardless of how long ago the vision loss occurred.



During each therapy session, you will focus your eyes on a central point displayed on the computer screen and respond every time you see a light stimulus appear anywhere on the screen.

## RESEARCH

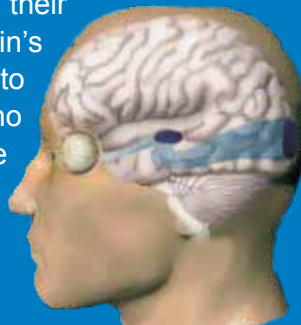
Since the 1990's, NovaVision has studied how the brain regains function within the visual system. It was found that repeated exposure to stimuli targeting a vision deficit could help activate neuronal pathways to restore some of the lost vision.

Numerous studies on VRT were published in leading journals including *Nature Medicine*, *Neurology* and *The Journal of Cognitive Neuroscience*. They have proven significant visual improvement with an average expansion of the treated visual field of 4.9-5.8 degrees of visual angle.

This can make a notable difference to the daily lives of patients.

Visit our website for a detailed description of the research studies.

Although people look with their eyes, they see with their brains. VRT targets the brain's visual repair mechanisms to restore function to those who have lost vision from stroke or other brain injury.



# IS VRT RIGHT FOR YOU?

A VRT Candidate has:

- An acquired brain injury
- Partial vision loss
- Some residual vision
- No history of seizure disorders, especially of a photosensitive nature
- Is not suffering acute inflammation of the eyes or central nervous system
- No physical damage to the eye
- No major cognitive impairments
- The ability to sit upright and focus on a task for 15-30 minutes
- Motivation toward rehabilitation; can commit to approximately an hour of daily therapy

# RISKS

VRT may cause light headaches or fatigue if performed too intensively or without sufficient breaks.

# Get Started

- 1 Contact NovaVision Patient Services to discuss what we will need from you to begin therapy and provide any information you require.
- 2 Once we have confirmed your eligibility and our simple process steps are complete, we will send you a chinrest and license you to begin the therapy at home.

# BENEFITS

Performing VRT helps many patients restore vision, as well as independently and confidently resume important activities:

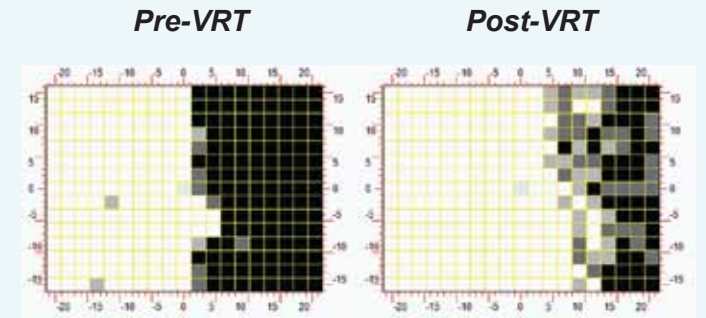
- **Walking**
- **Reading**
- **Grooming**
- **Socialising**
- **Enjoying hobbies**
- **Watching TV**
- **Going out**



# SUCCESS STORIES

“I suffered a major stroke that robbed me of my vision. I lost about 50% of my vision in both eyes. In effect, I was almost totally blind on my right side. By the end of the 6 month of treatment I had recovered 60% of my lost vision and the improvements kept coming. I am on a quest now to see to it that every medical professional with whom I come in contact hears about NovaVision.”

—Paul, Connecticut, USA, VRT-Patient & Stroke Survivor



Individual results vary. Patient Improvement

“Because of VRT, I do not feel startled so often. My reading is much better and scanning a computer screen is much easier. I can ride a bicycle now with confidence and I don't have to concentrate as hard to see on the left.”

— Stroke Survivor & VRT Patient, began VRT 2 years post-injury

“Prior to therapy I was extremely uncomfortable in crowded places such as a supermarket, a cocktail party, a large restaurant, etc. Currently, I am able to shop or enter a congested area without fear of colliding with someone.”

— Stroke Survivor & VRT Patient, began VRT 5 years post-injury

For more testimonials please visit our websites



Improving Vision • Enhancing Patients' Lives

# CONTACT PATIENT SERVICES

## GERMANY

Tel: +49 (0) 391 6 36 00 50  
 Fax: +49 (0) 391 6 36 00 70  
 Email: info@novavision.de

Klausenerstrasse 12, 39112 Magdeburg, Germany

## UK

Tel: +44 (0) 1224 517385  
 Email: mail@sightscience.com

214 Union Street, Aberdeen AB10 1TL, Scotland, UK

## VISIT OUR WEBSITES

www.novavision.de  
 www.sightscience.com