

VISION SCIENCE AND EYE

August 10-11, 2017 | London, UK

Techniques in visual neurorehabilitation: An integrative review.

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Statement of the Problem: Because of the worldwide "stroke" epidemic, this would be the second leading cause of stroke, followed by traumatic brain injury (TBI), traumatic brain injury (TBI), or other brain anomalies, the number of people entering mortality rates is increasing. In the US, TBI cases became a public health issue because of two factors, soldiers from the middle east wars, with varying degrees of TBI and relevant visual consequences. Also with the greater number of practitioners in sports activities that often injure the head. Neuro-optometric visual rehabilitation therapy focuses on the development and improvement of skills such as: visuocognitive problem solving, visuospatial skills, visual analysis skills, visuomotor integration, auditory integration, oculomotor skills, accommodative skills and binocularity

Methodology & Theoretical Orientation: Through the present study, we aimed to explain the use of indicated therapies in visual neurorehabilitation, emphasizing the techniques most used worldwide by visual rehabilitators. Through an integrative review, articles of relevance to the theme were made through virtual libraries with key words such as: vision therapy, prisms in vision therapy, visual neurorehabilitation, filter in vision therapy. Also, a bibliographical survey was made through printed books, and articles of indexed journals that approached the theme of the research.

Conclusion & Significance: The neuro-Optometrist studies the oculomotor aspects of patients, triad reflexes, sensory aspects of vision, compensating with optical aids and visual training, with the purpose of solving the different problems that can present patients who have suffered some type of brain damage. The discipline of neuro-optometry, is put in partnership in the fields of neurology, neuropsychology and neuropsychiatry, which makes it essential in the multidisciplinary follow-up of patients.

Biography

Rebeca U. Saraiva acts as a neuro-optometrist and visual therapist dealing with children and adults who need evaluation and treatment. She is also a teacher in Optometry and Orthotics courses, teaches courses and lectures in the area. Has expertise in neurovision, is a columnist for optical journals and a magazine developer focused on topics in optometry and visual therapy in Brazil.

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