Overview of Categories

- Accommodation and Myopia
- Binocularity/Strabismus
- Electrodiagnostic Considerations
- General Medical Conditions of Acquired Brain Injuries
- General Visual Considerations of Acquired Brain Injuries
- Military/Polytrauma Units
- Neural Mechanisms of Acquired Brain Injuries
- Ocular Disease in Acquired Brain Injuries
- Ocular Motor Considerations
- Photosensitivity and Migraines
- Posture and Mobility/Egocentric Localization/Visual Midline Shift Syndrome
- Vestibular-Balance-Dizziness-Vertigo
- Visual Field Considerations – Blindsight/Hemianopsia/Visual Neglect/USI
- Visual Information Processing – Visual Perception – Neuropsychological Considerations
- Visual Rehabilitation for ABI-General-also see specific sections

Accommodation and Myopia


Ciuffreda KJ. The efficacy of and scientific basis for vision therapy in non-strabismic accommodative and convergence disorders. Optometry 2002;73(12):735-762.


**Binocularity/Strabismus**


Pratt-Johnson JA. Acquired central disruption of fusional amplitude. Ophthalmology


Rutkowski PC, Burian HM. Divergence paralysis following head trauma. 1972;73(5);660-2.


Electrodiagnostic Considerations


General Medical Conditions of Acquired Brain Injury

Amen DG, Wu JC, et.al. Reversing brain damage in former NFL players: implications for


Brain Injury Association of America Position Paper. Early vs. Late Treatment of Traumatic Brain Injury 2009: http://www.biausa.org/Default.aspx?PageID=3597137&amp;A=SearchResult&amp;SearchID=7892404&amp;ObjectID=3597137&amp;ObjectType=1


Gennarelli TA, Segawa H, Wald U, Czernicki Z. Physiological response to angular


Park E, Bell JD, Baker AJ. Traumatic brain injury; can the consequences be stopped? Canadian Med Assoc J 2008;178(9):1163-70.


Povlishock JT, Erb DE, Astruc J. Axonal response to traumatic brain injury: reactive axonal


**General Visual Considerations of Acquired Brain Injury**


Goddard S. The role of primitive survival reflexes in the development of the visual system J Behav Optom 1995;6(2):31-35.


Nelms AC. New visions-collaboration between OTs and optometrists can make a difference

Padula WV. Neuro-optometric rehabilitation for persons with a TBI or CVA. J Optom Vis Devel 1992;23:4-8.


Politzer T. Visual disturbances in parkinson’s disease and intervention. CNI Review Fall 2005;10-


Military and Polytrauma Units


**Neural Mechanisms of Acquired Brain Injuries**


Ocular Disease in Acquired Brain Injuries


Ocular Motor Considerations


Ron S and Hackett P. Ch. 7-Modifiability of visually controlled eye movements. In: Eye movement analysis in neurological diagnosis, U of Pavia center of biological engineering, 1979;176-198.


Photosensitivity and Migraines

Beasley IG and Davies LN. Susceptibility to pattern glare following stroke. J Neurol 2012;259(9):1832-9.


**Posture and Mobility/Egocentric Localization/Visual Midline Shift Syndrome**


**Reading**

Han Y, Ciuffreda KJ and Kapoor N. Reading-related oculomotor testing and training protocols


**Vestibular–Balance-Dizziness-Vertigo**


Winkler PA, Ciuffreda KJ. Ocular fixation, vestibular dysfunction and visual motion hypersensitivity. Optometry 2009;80(9):502-12.

**Visual Field Considerations – Blindsight/Hemianopsia/ Visual Neglect/Unilateral Spatial Inattention**


Gottlieb DD, Freeman P, Williams M. Clinical research and statistical analysis of a visual


Schuett S, Kentridge RW, Zihl J and Heywood CA. Are hemianopic reading and visual


Weinberg J, et al. Training sensory awareness and spatial organization in people with right

**Visual Information Processing / Visual Perception / Neuropsychological**


**Visual Rehabilitation for ABI-General-also see specific section**


Ciuffreda KJ. The efficacy of and scientific basis for vision therapy in non-strabismic accommodative and convergence disorders. Optometry 2002;73:735-62.


Schaadt AK, Schmidt L, et.al. Perceptual relearning of binocular fusion and stereoacuity after brain injury. Neurorehabil Neural Repair 2013;published online 27 December.


Compiled by Curtis Baxstrom,OD,FNORA
I'd like to acknowledge this project has been supported with input from Ken Ciuffreda, Lynn