

Afferent visual manifestations of traumatic brain injury

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Figure 1: Schematic representation of dynamic pupil response measured using automated pupilometer. Pupil diameter at pre- and post-stimulus for each parameter indicated by the open circles. The size of each circle corresponds to the size of pupil diameter. Pre-stimulus time is 0.5 second and the post-stimulus time is 6.0 seconds.

Figure 2: This diagram shows a cross-sectional image of the retina scanned using OCT. The common two layers investigated in TBI studies are RNFL (green line) and ganglion cell layer (purple line). Some studies reported the GCC which comprises GCL and inner plexiform layer (blue line), because of the difficulty in segmenting these two layers. The bottom two lines indicate the retinal pigment epithelium (RPE) and Bruch's membrane (BM). The yellow arrow shows the interdigitation zone at the fovea centralis, where the outer segment of photoreceptors located.