

## **TEACHING STRATEGIES FOR INTEGRATING THE BIOPTIC WHILE DRIVING**

Insuring that the "scope" targets effectively is critical to the efficacy of the system for the user. As in learning to play an instrument, the patient must learn to resolve intended objectives very efficiently. The goal is to teach the user to integrate the BiOptic in all of his/her everyday activities to insure a maximum level of functioning. There are four areas of teaching I employ to enable the patient to become proficient in the application of their BiOptic. Driving is an over-learned skill. We drive without thinking about every move to make, but we make them well if we remain diligent. Using a BiOptic to drive has the same consideration. I design the teaching, to enable the person to automatically implement the BiOptic, when driving for best information gathering skills possible.

1- Looking at stationary targets from a stationary position. This teaches the user to utilize their peripheral system to locate an objective and target it quickly. It teaches the person to see enlarged images as well as the normal environment simultaneously. References of target size and distance to the target are kept in actual relative distance to the user. Road construction presents unusual conditions which must be assessed in order to remain safely in required lanes.

2- Looking at moving targets from a stationary position. The person locates a target in the scope, and remains in contact with it while in motion. This enables the person to judge the trajectory of the moving object and reacts to its significance to their position. This enables the person to plan their movement relative to significant motion of vehicles and pedestrians.

3- Looking at stationary targets while in motion. This teaches the person to judge just when to "scope" a sign in order to read it while moving. One half second of time is the goal for a person to resolve any highway sign. The acquisition of this skill is critical to their safety. Using simultaneous peripheral functioning is also crucial.

4- Looking at moving targets while moving. This enables the driver to look at the moving environment, while gauging the motion of vehicles around him/her. Passing another vehicle or being passed presents calculations of time and distance, needed to safely complete a maneuver. The BiOptic applies while driving, while walking as a pedestrian, while bicycling, and while shopping.

My design is to teach the patient to become a proficient BiOptic user. The driver instructor should only need to assess or teach a person

who wishes to drive, enabling them to become a driving student as anyone else.

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