

Low Vision Evaluation

1. The COMPLIMENTARY TELEPHONE INTERVIEW.

This is required for an appointment to determine if you are a good candidate for our products and services. We will not waste a person's time or money if we believe we cannot help him or her.

2. The Low Vision evaluation consists of three steps:

- Find out the amount of vision the patient has.
- Find out the amount of vision needed to do the task desired.
- Figure out the best magnification device that allows the person to do the task.

We find out the amount of vision the patient has by performing a Low Vision evaluation. It is not anything like a regular eye exam:

- We use special charts and techniques to “draw out” any residual vision that may be “hiding” in the periphery.
- We recheck the regular eyeglass prescription to improve it if possible.
- We see how magnification affects the level of vision.

We find out the amount of vision needed to do the task desired with very specific questions and demonstrations.

- We ask the patient to bring samples of print they want to see (newspaper, Sunday school lesson, Bible, and mail).
- We ask the patient to bring samples of activities they do (sewing, woodworking, painting and card playing, etc.).

We figure out the best magnification device that allows the person to do the task by having many unique demonstrators in the office. We do not order any low vision device unless we prove that it works in the office first.

Telescopic Eyeglasses



Miniature Binoculars inserted into eyeglasses are called TELESCOPIC SPECTACLES. The patient's eyeglass prescription, as well as the highest quality optics, must be used in the system for maximum clarity. Telescopic spectacles can be for one eye (monocular) or two eyes (binocular). The telescope can be mounted in various positions in the glasses.

Bioptic Position

Smaller telescopes mounted high in the glasses allow the person to view through either the telescope or the "carrier", the regular prescription lens, by simply moving the head slightly up or down. This position is used for tasks like walking, driving, theater, at sporting events, church or travel.

Full Diameter Position

Either small or larger telescopes are placed in the center of the frame for tasks not requiring mobility. They are used for reading, television, card playing, or simply enjoying seeing the faces of those in conversation.

Near Position

Two telescopes can be "converged" for use at near when reading or performing fine detailed tasks. Telescopes vary in power, field, weight, focusable and non-focusable. Telescopic optics is very complex. **The knowledge and experience of the doctor in designing and fitting is extremely important in determining what is best for you.** Dr. Dumont has fit thousands of patients with telescopic spectacles

and is extremely experienced in this area of optometry. Cost varies with the prescription needed in the system and the type of telescopes ordered. This can be discussed during the COMPLIMENTARY TELEPHONE INTERVIEW.

Custom Position

Telescopes can be placed in any position and at any angle a task demands. For example, a custom telescope was designed for a student who needed one telescope angled down for reading and writing and the other up for seeing the teacher and the chalkboard. Telescopes vary in power, field, weight, focusable and non-focusable. Telescopic optics is very complex. The knowledge and experience of the doctor in designing and fitting is extremely important in determining what is best for you. Dr. Dumont has fit thousands of patients with telescopic spectacles and is extremely experienced in this area of optometry. Cost varies with the prescription needed in the system and the type of telescopes ordered. This can be discussed during the COMPLIMENTARY TELEPHONE INTERVIEW.

Microscope Eyeglasses



Microscope Eyeglasses are double lens systems that combine the patients eyeglass prescription with the amount of magnification needed. The amount of magnification depends upon the level of remaining vision and the size of the material to be seen. These state of the art optical systems require two lenses piggybacked to reduce the blur and aberrations caused by high powered lenses. Because they require a close working distance, they are typically used with one eye (monocular).

Prismatic Eyeglasses



Prismatic eyeglasses can be single or double lens systems and incorporate prism to allow the two eyes to work together. They are useful for patients whose eyes are approximately equal in vision and do not require high magnification.

Introducing the E-Scoop®



The E-Scoop® lens was developed to bridge the gap between standard eyeglasses and head borne telescopes. Whether your difficulty is night driving, bright light, sunlight or simply seeing clearly in the distance, the E-Scoop® lens placed over a standard eyeglass prescription will help you see better. The E-Scoop® lens is comprised of five basic optical properties: custom yellow tint, anti-reflective coating, special lens thickness, base curve, and base up prism. When these five optical properties are combined into the E-Scoop lens, the image is enhanced and shifted to a different part of the macula allowing the patient to see better.

Low Vision Aids

A Low Vision Aid is any tool or device that can help a person with vision loss perform the tasks that they most want to be able to perform. The treatment for Low Vision has changed drastically with new technologies which have revolutionized Low Vision and resulted in far more effective tools to regain vision function.

The Latest Technology

There have been major improvements in the optical design and construction of Low Vision telescopes, microscope glasses filters, and prisms. Furthermore, a range of digital devices have been developed which can significantly boost the ability of a Low Vision sufferer to function. These include IRISVISION, ORCAM, ESIGHT, and CCTV stands, as well as portable digital magnifiers, and glasses.

Because of the large range of options, it is crucial to speak with a Low Vision optometrist who will help you navigate the options and find the option that will give you the best solution to your specific needs. Low Vision Eye Care is the preferred provider of Low Vision aids for patients from the greater Spokane area, Idaho, and Montana.