

Diagnoses for Using the Simulator

- Stroke
- Orthopaedic conditions
- Amputee
- Neurological impairment
- Brain injury
- Spinal cord injury/paraplegia
- Dementia or other issues related to the aging process

Features of the Driving Simulator

- Dashboard equipment with working gauges
- Adapted hand controls for accelerator and brakes
- Adapted steering wheel for one-handed steering
- Adapted left-footed accelerator control



The system's interactive technology simulates driving on highways, rural and city streets, night driving and various traffic and weather situations.

Benefits of Simulation-Aided Training

- Training on state-of-the-art interactive software
- Enhances knowledge and information necessary for the safe operation of a vehicle
- Augments clinical instruction
- Aids in the development of sequential neuromuscular skills
- Develops basic visual habits
- Develops perceptual abilities
- Creates the opportunity to develop sensory skills for future decision-making
- Develops behavioral responses to potentially hazardous situations

Vision Testing

Vision testing is another important component of the program. The following areas may be tested:

- Visual acuity
- Visual fields
- Depth perception
- Visual perception
- Recognition/response time
- Stereopsis (measurement of the eyes' ability to work in conjunction with one another)



On-the-Road Training

In addition to the simulator, patients and specially-trained therapists drive in an actual automobile (modified for teaching purposes), to help assess driving abilities on the road. If required, the individual can receive follow-up training.

Insurance and Appointments

Simulator training, visual and perceptual testing, and a guided on-the-road driver's evaluation are available to outpatients with a physician referral. Reimbursement is often available through Medicare, the Bureau of Workers' Compensation and private insurance companies.