Driving – Simulation - Lab

Laboratory Setup

Simulation Room

Debriefing Room

Data Collection Room

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Our Driving Simulator is used for
• Objective assessment of driving
• Tracking progress with ability of playback function
• Maintaining, retraining, and improving driving skills
• Teaching complex vehicle maneuvers that are too dangerous for on-road training

The STISIM Drive® software collects objective measures of
• Collisions and traffic violations
• Road edge excursions
• Lane positioning
• Speed maintenance
• Time to collision

STISIM Drive® Interactive Driving Simulator
Useful Field of View (UFOV)TM

Useful Field of View is the area where visual information can be captured without head or body movement.

The performance UFOV™ is highly correlated with car crashes and on-road driving performance in older adults and drivers with neurological impairments.

Three subtests are used to evaluate an individuals’ useful field of view.

- Processing Speed
- Divided Attention
- Selective Attention

The UFOV™ produces a risk score of car crashes depending on the performance on the three subtasks.
An easy to use eye-sight screening tool that can assess an individual’s visual functions including acuity, peripheral vision, glare recovery, stereopsis, and contrast sensitivity.

This tool is used for identifying visual impairments that contradict or restrict driving.