



MedStar Good Samaritan
Hospital

Knowledge and Compassion
Focused on You

April 24, 2013

Determination of Driving Safety:

Driver Rehabilitation Assessment and Training

Carol J. Wheatley
OTR/L, CDRS

Objectives

- Understand the driver rehabilitation process
- Describe possible outcomes: driving continuation or cessation
- Learn alternative transportation options
- Understand the coordination with the DRS, the person's physician and the MVA Medical Advisory Board

Driver Rehabilitation Assessment Process

Interview

- Review of assessment process
- Review of driving history
- Discussion of disability and implications for driving
- Review of MVA regulations
- Release of information form
- Self assessment, family input

Clinical Assessment

Visual Skills

- Acuity
- Field of View
- Depth Perception
- Color Discrimination
- Contrast Sensitivity



Clinical Assessment

Visual Perception/Cognition

- Useful Field of View
- Motor-free Visual Perception Test
- Trail Making Test, Parts A & B
- Mini Mental Status Exam/Short Blessed
- Clock Drawing test

Clinical Assessment

Physical Status

- Upper extremity function
- Lower extremity function
- Sensation
- Coordination
- Reaction Speed



On-Road Assessment

- Orientation to Adaptive Driving vehicle & adaptive equipment
- Seating & positioning
- Review of assessment process



On-Road Assessment

Parking lot driving

- Basic vehicle control
- Basic rules of the road
- Low/zero traffic interaction



On-Road Assessment

Light traffic/residential roadways

- Vehicle control
- Traffic interaction
- Speed of processing
- Judgment



On-Road Assessment

**Moderate/heavy traffic,
Commercial areas, highways –
on roadways unfamiliar/familiar to
the client**

- Vehicle control
- Speed & judgment
- Traffic interaction
- Hazard recognition & management
- Route planning
- Learning potential

EVIDENCE OF DEFICITS



Knowledge and Compassion **Focused on You**



MedStar Good Samaritan
Hospital

DISCUSSION OF RESULTS

- Review of driving performance
- Feedback from the driver, family
- Discussion of recommendations
- Specifics of MVA process
- If driving is recommended: resume/continue active driving, driving equipment training or refresher skills training, possible re-assessment
- If driving is not recommended: therapy, re-assessment, transportation alternatives

Coordination with MVA

- Release of confidential information
- Report sent to referring physician and MVA
- Consult with nurse case reviewers and MAB physicians
- Quarterly meetings – review procedures, discuss common issues, share knowledge to increase coordination between MVA staff (MAB, Driver Wellness and Safety staff), driver rehabilitation specialists (occupational therapists, physical therapists, kinesio-therapists, driver educators) and vehicle modifiers - all of whom have a contribution to driver rehabilitation

What Does Driver Rehabilitation Provide?

- An impartial, objective second opinion
- In-depth analysis of the person's driving ability
- Assessment of the driver's capacity to improve
- Liaison with the MVA
- Assistance to the individual to make the transition to alternative transportation, if necessary



Referral Process

MGSH Adaptive Driving Program: 443-444-4601

Doctor's Prescription required:

- patient's name
- date
- diagnosis (ICD9 code)
- specify 'driving evaluation'

Cost: self-pay, or covered by IWIF, DORS

- Clinical Assessment (1.5 hrs) - \$200
- On-Road Assessment (1.5 hrs) - \$200
- Training - \$100/hr
- Travel - \$25/hr



Where to find a

DRIVER REHABILITATION SPECIALIST

Conference handout: Maryland area DRS services

Association for Driver Rehabilitation Specialists

www.aded.net

American Occupational Therapy Association

www.aota.org/olderdriver



Thank you!

Carol J. Wheatley, MS, OTR/L, CDRS
MedStar Good Samaritan Hospital
Out Patient Rehabilitation Department
Baltimore, MD
443-444-5500

Carol.j.wheatley@medstar.net

