WS 107 AGENDA: Thursday April 25, 2013  12:30 to 3:30 Location: Convention Center  Room 23 AB

Title: (AOTA) Older Driver Initiative Update: consensus statements, ethics module, evidence and clinic ready tools

Elin Schold Davis: Welcome and speaker introductions

Elin Schold Davis, OTR/L, CDRS, AOTA, Bethesda, MD, Coordinator Older Driver Initiative
Essie Wagner, National Highway Traffic Safety Administration (NHTSA)
Deborah Yarett Slater, MS, OT/L, FAOTA  AOTA Staff Liaison to the Ethics Commission
Anne Dickerson, PhD, OTR/L, FAOTA, East Carolina University, Greenville, NC,
Felicia Chew, MS, OTR, Genesis Rehab Services, Kennett Square, PA,
Sherrilene Classen, PhD, OTR/L, FAOTA, ROF, University of Florida

Essie Wagner, NHTSA: Older Drivers 101

1. Data: trip taking behavior, necessity
2. Frailty vs. Fragility
3. What we know and what we don’t know
4. Improving the vehicle
5. Behavior
6. Resources

Elin Schold Davis: Update of the Older Driver Initiative activities: www.aota.org/older-driver

a) AOTA: SPCC & Text-Driving & Community Mobility: Occupational Therapy Strategies Across the Lifespan, Older Driver Safety Awareness Week (ODSAW) the first week in December, website update

b) NHTSA: Gaps and Pathways Project

c) Outreach: ADED, Lifesavers, Transportation Research Board, Gerontological Society of America, American Society on Aging

d) Partner Activities: ADED, CarFit, The Hartford, Youth Transportation (IDEA), & more

Introduce: Michele Luther-Krug, COTA/L, SCADCM, CDRS, ROH, President, Association for Driver Rehabilitation Specialists (ADED), CarFit Administrators (Rhonda Shah AAA and Josh Dunning AARP)

e) Conference sessions and the Transportation Zone (Meet the Experts, Drawings for PRIZES!)
Deb Slater: **Failure to Warn- Ethics Module**

1. Duty to warn and why it is important
2. The ethical responsibility to warn
   a. Ethical considerations
3. Duty to warn: ethical and professional responsibilities
4. Reporting and confidentiality

- See attached Resource List
- Watch the Ethics Module: [http://www.aota.org/Driving/Professionals/Get-Started/Ethics.aspx](http://www.aota.org/Driving/Professionals/Get-Started/Ethics.aspx)

Dr. Anne Dickerson: **The Gaps and Pathways Project: Meeting the Community Mobility Needs of Occupational Therapy Clients through Driving** (the AOTA and NHTSA Cooperative Agreement, Anne Dickerson, PhD, OTR/L, FAOTA & Elin Schold Davis, CDRS, OTR/L)

**Overall Objective:** Build and Expand Programs
- Expand the number of general practice occupational therapy practitioners and programs equipped to serve senior drivers within their training and expertise through education, driving evaluation, training, and referral.
- With the expansion of tools for screening, assessment and intervention, occupational therapy is positioned to enhance safety and extend driving as a mobility option for as long as safely possible.
- Provide applicable guidance to address the IADL of driving in all occupational therapy settings with all clients in a helpful, effective, and efficient manner. With
- Through direct service or referral pathways, all practitioners will be empowered to address driving and community mobility with their clients.
- For the medically-at-risk driver, safe community mobility requires an individualized intervention plan that may or may not include driving.
Project Components

**Literature Review.** A comprehensive literature review summarized the state of occupational therapy screening and assessment tools studied for the task of evaluating older adult fitness to drive.
- Used to develop clinic-ready resources easily understood and applied in both generalist and specialist settings.
- Describes the evidence for specific screening and assessment tools for specific diagnostic groups.
- Summarizes the current evidence for use of simulators, assessment/screening batteries, and newly developed assessment tools.

**Expert Meeting.** The overall objective of the meeting was to have experts, who included researchers and expert clinicians) identify gaps in practice in order to develop criteria for action and referral. The result was more than 60 guiding consensus statements covering ethics, program development, and specific diagnostic categories. Many of these statements will assist general practice occupational therapists to serve clients at the extremes of the spectrum (i.e., the able or very impaired) when addressing driving.

**Identified Needs.** The experts’ task was to also identify critical research questions and clinical needs to be addressed. Nine research questions were forwarded to the NHTSA research department. Eight clinical needs were developed into mini projects funded through this continued project.

**Introduce Guest Speakers - International researchers:**

- **Dr. Tadhg Stapleton, Ireland**
  Research: Stroke and driving

- **Dr. Michel Bédard, Canada**

**Candrive: Driving Research for Older Adults**

*Michel Bédard*

**Candrive** is the *Canadian Driving Research Initiative for Vehicular Safety in the Elderly*, initiated in 2002, whose aim is to improve the health, safety, and quality of life of Canada’s older drivers. The current main project is a 5-year multi-center prospective cohort study with a team of investigators across Canada. In addition, collaborations with research teams in Australia, New Zealand and the United States have extended the research scope of the Canadian team of investigators.
Vision: to establish a national multi-disciplinary collaborative approach to identify, analyze, and examine the issues pertaining to the safe operation of vehicles by older persons.

Goals:
- Extend the length of time older persons can drive
- Evaluate the effectiveness of retraining programs and restricted licensing for older drivers
- Develop a screening tool that will allow clinicians to determine which older adults are unsafe to drive and/or who require more in-depth evaluation

Principle Investigators: Dr. Shawn Marshall, and Dr. Malcolm Man-Son-Hing both of the Ottawa Hospital Research Institute, University of Ottawa.

Major Projects:

1) Candrive Cohort Study: Shawn Marshall and Malcolm Man-Son-Hing - This project will allow for the comprehensive, longitudinal study of older drivers and key factors that impact their driving safety.

2) Development of an evidenced-based driving decision rule for identifying older drivers at increased risk for at-fault crashes: Shawn Marshall and Malcolm Man-Son-Hing - This project will develop an evidenced-based tool for health care professionals that will help identify drivers who are at increased risk for at-fault motor vehicle collisions.

3) Driving Patterns of Older Canadians: Michelle Porter - The goal of this project is to examine driving patterns in a large sample of older drivers from different locations across Canada using Global Positioning System (GPS) tracking. Factors such as obeying traffic signs and the effect of climate conditions on driving are examples of elements that will be studied.

4) Influence of Psychosocial Factors on Driver Decision-making and Behaviour: Holly Tuokko and Anita Myers - The goal of this project is to examine the influence and interaction of factors such as perceptions of driving abilities, confidence, beliefs, attitudes and motivations on driving-related decisions including intentions to restrict or stop driving.

5) Advancements in Automotive Design: Development of a Vehicle Design Rating System (VDRS) that links older drivers' abilities and automotive feature: Janice Millar-Polgar and Brenda Vrkljan - The goal is to determine key features of the automobile that impact older driver safety and to develop a vehicle design rating system that identifies vehicle features which meet the needs of older drivers.

6) Assessing the relevance of the simulator as a screening tool for at-risk older drivers: Michel Bédard and Sylvain Gagnon - The main goal of this project is to further validate the use of driving simulator assessments.

7) Driver Improvement: Nicol Korner-Bitensky - The objectives are: 1) To explore the perspectives of older drivers regarding driving safety and training programs; and 2) To implement the StaySHARP Pilot driver refresher program.
Felicia Chew: Genesis/AOTA Champions Project

1. Why Driving at GRS?
   a. Innovation & Clinical Excellence
   b. Neglected IADL
   c. Expanded Scope of Practice
      i. Identified Need- *Occupational Therapy Generalist versus Driving Rehab Specialist*

2. Project Objectives: AOTA & Genesis Rehab Services
   a. A collaborative project for expansion of occupational therapy senior transportation services within the Genesis HealthCare System
   b. Develop a “Best Practice Model” for general practice occupational therapists
   c. Develop specialized driver rehabilitation services where needs cannot be adequately met through referral
      • Ensure driving and community mobility is addressed for the medically at risk driver *Occupational Therapy Generalist versus Driving Rehab Specialist*

      • GRS Care Delivery Model
      • GRS Driving Roles
Dr. Sherrilene Classen: Research Update (see attached Reference List)

- Driving related publications:
  - Fitness-to-Drive Screening Measure
  - Parkinson’s Disease & Driving
  - Dementia & Driving
  - Teens & Driving

- Update: Efficacy of Evidence-based Interventions for medically at-risk groups
  - AOTA Project-Update EBR
  - Returning Combat Veterans and Driving

- Bibliography of all of the above

Conclusion: Q & A

Notes/ questions:

Visit the Transportation Zone ...
Meet the Experts (see schedule below)...Resources...Networking
PRIZES ...Grand Prize- Self Paced Clinical Course – Driving &
Community Mobility: Occupational Therapy Strategies Across the
dLifespan  Earn 2 AOTA CEUs (25 NBCOT PDUs, 20 contact hours)
Classen: AOTA 2013 WS107 Driver Update Outline

Topical outline

Sherrilene Classen, PhD, MPH, OTR/L, FAOTA is an Associate Professor of Occupational Therapy at the University of Florida, Director of the University of Florida’s Institute for Mobility, Activity and Participation, and Extraordinary professor at the University of Stellenbosch in South Africa.

Driving Studies from I-MAP

1. Publication: Adolescent Drivers

2. Publication: Drivers with Parkinson’s disease

3. Publication: Driving and returning combat veterans

4. Prediction studies

5. Publication: Screening Measure

6. Publications: Evidence based reviews diving studies

7. Book chapters:
ETHICS RESOURCES

- **FREE** Driving Ethics Module: [http://www.aota.org/Driving/Professionals/Get-Started/Ethics.aspx](http://www.aota.org/Driving/Professionals/Get-Started/Ethics.aspx)


- Ethics Section in Practitioner area of web site: [http://www.aota.org/Practitioners/Ethics.aspx](http://www.aota.org/Practitioners/Ethics.aspx)

TRANSPORTATION ZONE

Sponsored by AARP (visit booth 130)

“Meet the Experts” in AOTA Driving Booth 122

Thursday, April 24th Grand Opening

Opening to 8:00 PM: Essie Wagner* (NHTSA)
Opening to 7:00 PM: Rhonda Shah AAA National (CarFit)
7:00 to 9:00 PM: Dr. Michel Bedard* (CanDrive, Canada: Simulators and Driving)
7:00 to 9:00 PM: Dr. Anne Dickerson* (ROADi, ECU: Driving Assessments, Driving Simulation, IADL (AMPS) & Driving)

Friday, April 25th

11:00 to 12:30 PM: Susan Pierce* (Adaptive Mobility, FL)
4:30 to 5:30 PM: Elin Schold Davis* (AOTA Older Driver Initiative)

Saturday April 27th

10:00 to 11:00 AM: Dr. Sherrilene Classen* (I-MAP, UF: Fitness-to-Drive Screening Measure, Combat Veterans and Driving; Parkinson’s Disease and Driving)
11:00 to 12:00 PM: Dr. Sandra Winter (I-MAP, UF; Fitness-to-Drive Screening Measure)
11:00 to 1:00 PM: Dr. Tadgh Stapleton (Stroke and Driving, Ireland)
2:00 to 3:00 PM: Miriam Monahan* (I-MAP, UF: Teens and Driving)

*Member of the NHTSA/AOTA Expert Advisory Panel

Sign up for PRIZES

- **Drawings Daily**
- **Grand Prize** - Self Paced Clinical Course – Driving & Community Mobility: [Occupational Therapy](#) Strategies Across the Lifespan
  Edited by Mary Jo McGuire, MS, OTR/L, FAOTA, and Elin Schold Davis, OTR/L, CDRS
  Earn 2 AOTA CEUs (25 NBCOT PDUs, 20 contact hours)