

## **“Understanding the WHY of Seatbelt and Car Seat Use”**

### September 2019 Webinar: Quiz & Evaluation

1. What does “occupant kinematics” mean?
2. Maryland’s seat belt use rate (front seat) is approximately 90% belted and 10% not belted. Of the MD motor vehicle crash fatalities, about what proportion are not belted?
  - a. 10 %
  - b. 28 %
  - c. 42%
  - d. 80%
3. According to Dr. Bahouth, your chance of being injured in a motor vehicle crash this year is about 1 in 20,000. True or False?
4. What elements were involved in Dr Bahouth’s study of several Howard County elementary or high schools’ restraint use? (circle any)
  - a. Pre-observations of restraint use
  - b. Pre-surveys of self-reported restraint use
  - c. Distribution of educational flyer by local law enforcement
  - d. In-school education on restraint use
  - e. Post-intervention observations of restraint use
5. What was NOT a reason that Dr Bahouth gave for why there often are differences in seat belt use rates among groups of people?
  - a. Cultural differences
  - b. Access to comfortable seat belts
  - c. Perception of getting a ticket for non-use
  - d. Primary versus secondary seat belt use enforcement laws
6. Where would a “centerline” airbag be located, and what does it protect?
  - a. Along the B pillar to protect upper bodies from hitting the doors/windows
  - b. Along the B pillar to prevent ejection
  - c. Between the front seat occupants to prevent their heads from hitting each other
  - d. Between the front seat occupants to prevent ejection
  - e.
7. What most likely happens to an unbuckled person in a rollover crash?
  - a. Many options of where the body might go.
  - b. Body is thrown forward.
  - c. Body is thrown backwards.
8. What factors are included in Dr. Bahouth’s risk assessment, that she uses in her research? (select any)

- a. Direction of impact
- b. Speed
- c. dV (change in velocity)
- d. Restraint use/non-use
- e. Age of Occupant

9. What country created the first three point seat belt according to Dr. Bahouth?

- a. The USA
- b. Germany
- c. Sweden
- d. Canada

10. Comparing the two BMW crashes contrasted by Dr Bahouth and the following factors summarized, which type of factor made the biggest difference in outcome for the driver? (circle the answer)

FACTOR	BMW- 1	BMW-2
Age	53 year old	31 year old
Crash type	Head-on with car	Sideswipe w/ concrete barrier
dV	39 mph	8 mph
Restraint use	Belted	Unbelted

**Evaluation:** Please rate the following items on a scale of 1 (least) to 5 (most) by circling the appropriate number:

- 1. Dr. Janet Bahouth was an engaging speaker. 1 2 3 4 5
- 2. I learned new information about crash dynamics. 1 2 3 4 5
- 3. Dr. Bahouth’s presentation provided useful “takeaways” that I can use in my work/volunteer activities. 1 2 3 4 5
- 4. The webinar’s description accurately described the presentation. 1 2 3 4 5

Your name as you want listed on the certificate: \_\_\_\_\_

Your email/address for your certificate: \_\_\_\_\_

Return this quiz and evaluation to [sogaitisjones@miemss.org](mailto:sogaitisjones@miemss.org) or MIEMSS, 653 W. Pratt St, Baltimore, MD 21201, or fax: 410-706-3660 to get proof of CEU/participation.