

# Child occupant protection: Latest knowledge and future opportunities

31 May 2024; Chalmerska huset, Göteborg, Sweden

**Hosts:** Lotta Jakobsson, Mats Svensson **Moderators:** Kristy Arbogast, John Bolte



9:00 Welcome

***Comparison of self-selected, holding device, and nominal conditions on the belt fit and posture of children on belt-positioning boosters***  
- Gretchen Baker, Ohio State University, USA

***Pediatric anatomy and biomechanics*** - John Bolte, Ohio State University, USA

10:10-10:50 Fika

***60 years of child safety - the challenges today*** - Lotta Jakobsson, Volvo Cars, Sweden

***User-centric solutions to increase use of booster seat and appropriate use of adult seat belts among children*** - Julie Brown, Neura, Australia

***Are child occupants appropriately restrained while travelling in rideshare vehicles?*** - Sjaan Koppel, Monash University, Australia

12:20-13:30 Lunch

***Repositioning forward leaning child occupants in pre-crash scenarios*** - Kristy Arbogast, Valentina Graci, Children's Hospital of Philadelphia, USA

***What is happening in the rear seats according to the dummies?*** - Suzanne Tylko, Transport Canada, Canada

14:30-15:30 Fika

***Assessing the mechanical response of the cervical spine of the PIPER model*** - Fran López Valdés, Universidad Pontificia Comillas, Spain

***Automobile safety considerations during pregnancy*** - Jason Forman, University of Virginia, USA

***Discussion & closing remarks***

## Presenters

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Gretchen Baker,  
Ohio State University, USA



John Bolte  
Ohio State University, USA



Lotta Jakobsson,  
Volvo Cars, Sweden



Julie Brown,  
NEURA, Australia



Sjaan Koppel,  
Monash University, Australia



Kristy Arbogast,  
Children's Hospital of Philadelphia,  
USA



Suzanne Tylko,  
Transport Canada, Canada



Fran López Valdés,  
*Universidad Pontificia Comillas,*  
*Spain*



Jason Forman,  
University of Virginia, USA