

Bewertung der im Verkehrsunfallgeschehen auftretenden schwer verletzten und getöteten Pkw-Insassen MAIS 3

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The Accident Research Unit at the Medical University Hannover carried out an in-depth investigation of road accidents in a statistical representative manner. Each year approx. 1000 accidents are collected on order of Federal Highway Research Institute [BAST](#). These data are a good tool for analysing the accident scene of severe car crashes, answering the question, how car crashes of severe and fatal injury occurrence look like. While many safety measures for car occupants and test procedures for car developments exist, 1/3 of all severe and fatal injured persons in road accidents are car occupants. 5.5% of all car occupants involved in road accidents suffered injury severities of more or equal than [MAIS](#) 3, 2.5% of them are died. Therefore it must be our aim to avoid these victims. For this purpose the accident situations were analysed in detail. In the study the injury mechanisms are described, measures reducing these residual severe and fatal injuries assessed and demands of test procedures and car design formulated with regard to an optimized occupant protection.

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Inhaltsverzeichnis

- [1 Zitat](#)
- [2 Inhaltsangabe](#)
- [3 Weitere Beiträge zum Thema im VuF](#)
- [4 Weitere Infos zum Thema](#)

Zitat

[Otte, D.](#): Bewertung der im Verkehrsunfallgeschehen auftretenden schwer verletzten und getöteten Pkw-Insassen MAIS 3+. Verkehrsunfall und Fahrzeugtechnik 35 (1997), pp. 13 – 20 (#1)

Inhaltsangabe

Weitere Beiträge zum Thema im VuF

Weitere Infos zum Thema

- [MAIS](#)