

Predictors of Prehospital Transfusion in Paediatric Trauma: Analysis of 11,849 cases from the TraumaRegister DGU®

Methods:

- Retrospective analysis of the German TraumaRegister DGU® including children and adolescents aged 1 to 16 years
- Multivariate regression analysis
- ROC Analysis



- 11,849 patients
- Mean age 9.6 (SD 4.5) years
- Mean ISS 15.7 (SD 11.2)
- Mean number of transfused RBCs: 4.1 (SD 8.8)
- 51 % of transfusions in pat. ≥11 years
- Mean ISS of transfused pats: 34.1 (SD 16.2)



Transfusion Score

Parameter	OR	Points
Unconsciousness	2.49 [1.85 – 3.36]	1
Intubation	2.51 [1.93 – 3.28]	1
CPR	2.46 [1.84 – 3.28]	1
Serious abdominal injury	4.18 [3.34 – 5.24]	2
Polytrauma	4.18 [3.26 – 5.34]	2
Penetrating trauma	4.32 [2.96 – 6.30]	2

Risk for Transfusion

