

BioRID ATD

HR-2-9

Part of a Presentation from
Matthew Avery / Thatcham
for
an EEVC WG12/20 joint meeting

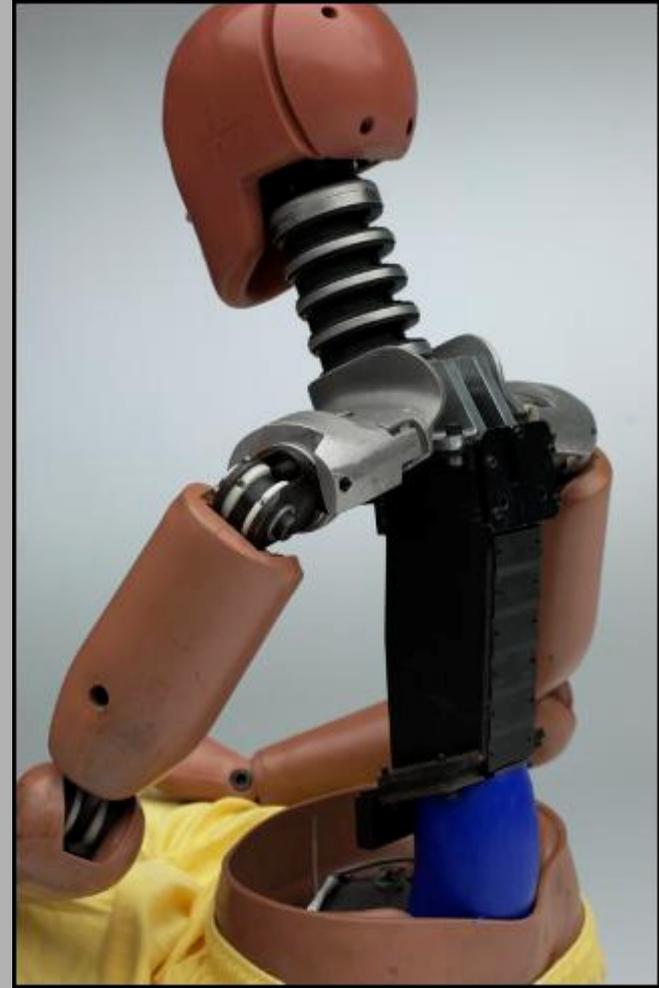


Why not Hybrid III?

Spine is not human-like



Human skeleton



Hybrid III

BioRID has more humanlike spine than Hybrid III



Human Skeleton



BioRID 2

BioRID exhibits more humanlike motion than Hybrid III

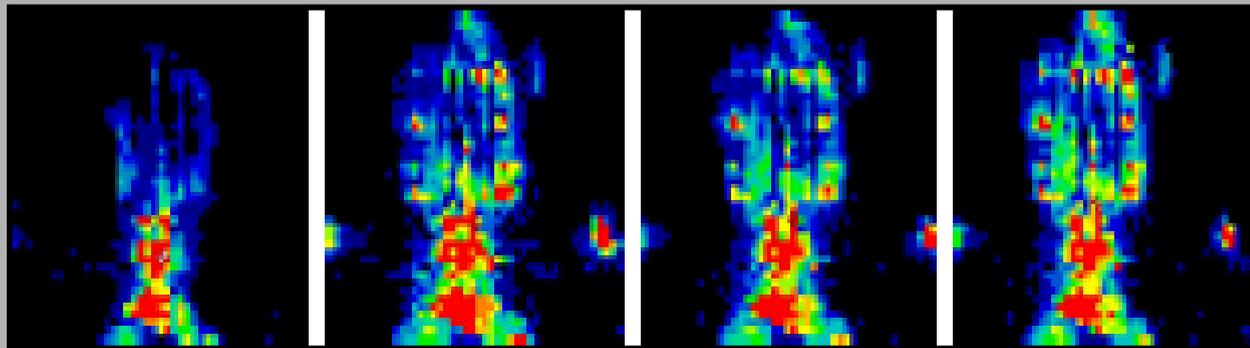
TR-2-9



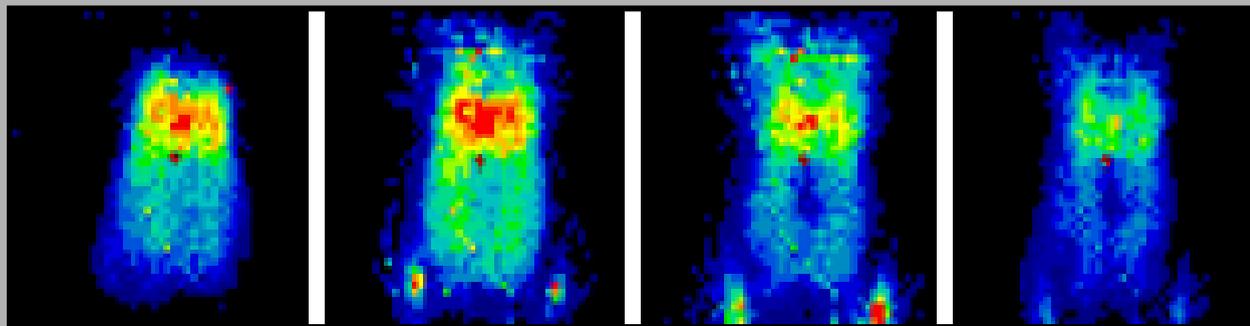
BioRID exhibits more humanlike pressure distribution on seatback than Hybrid III

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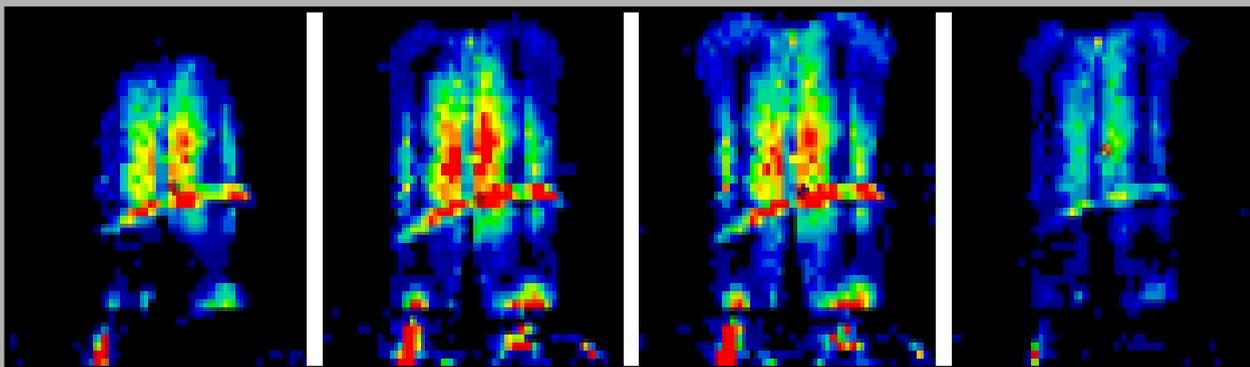
*Hybrid III with
TRID neck*



*Human
Volunteer*



BioRID



Time: 0 ms

112 ms 23

For further details see:

„Kinematics of the Human Spine in Rear Impact and
the Biofidelity of Current Dummies“

Roberts AK, Hynd D et al.

IMechE Conference 2002, London

and

Project Report Whiplash II (not released yet)