

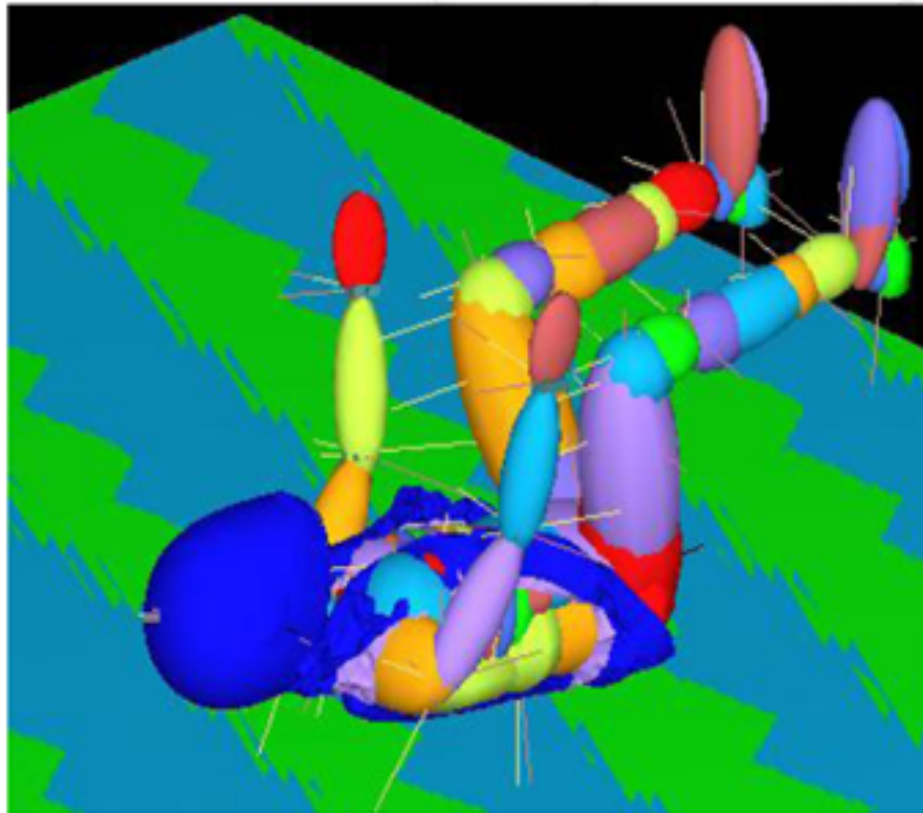
Caduta Vertical fall on the back

Dummy nella stessa postura degli urti auto-moto, ruotato e posto ad 1 m di altezza sul suolo.

Velocità iniziale tale da simulare diverse altezze.

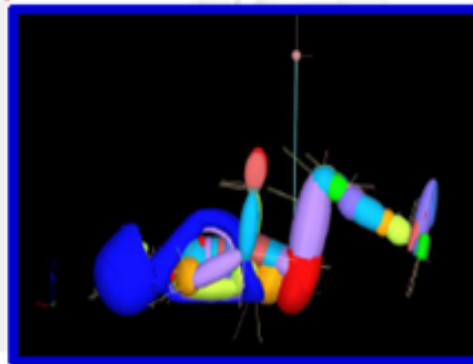
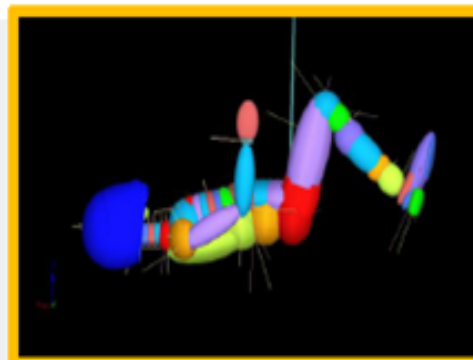
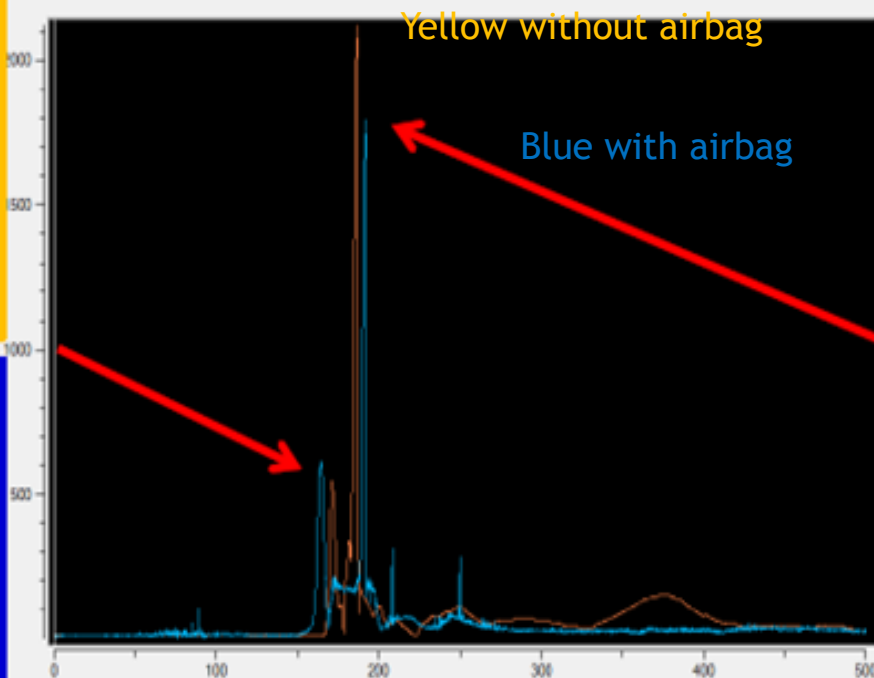
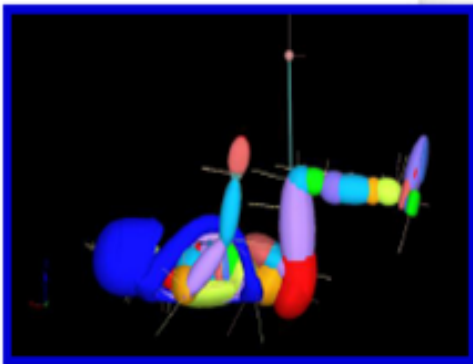
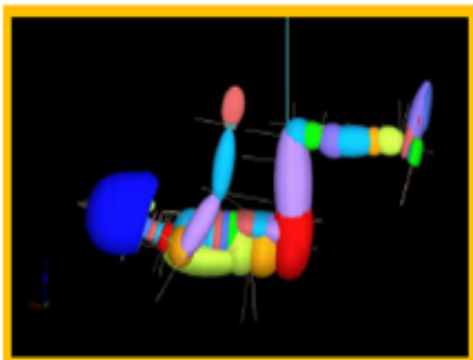
Height equivalence

Initial speed



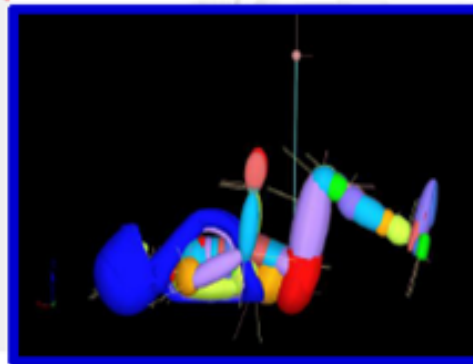
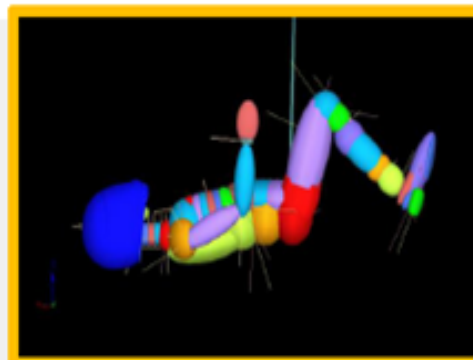
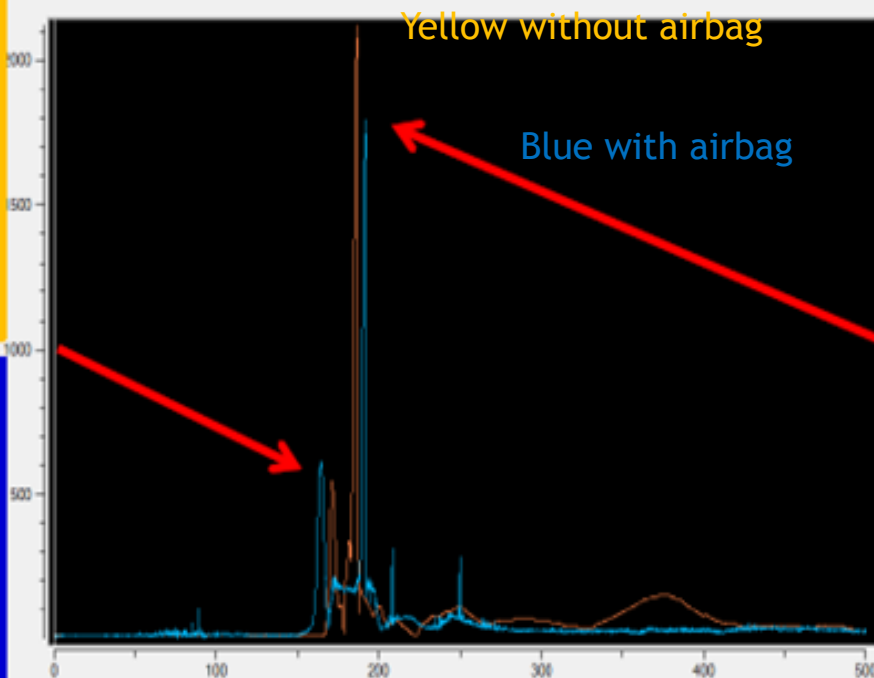
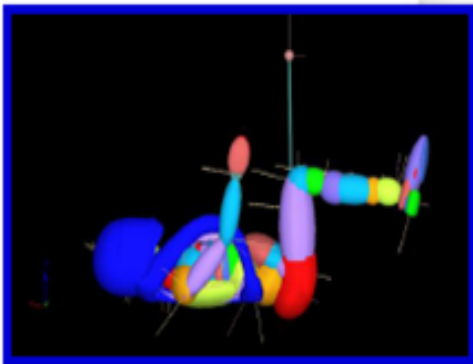
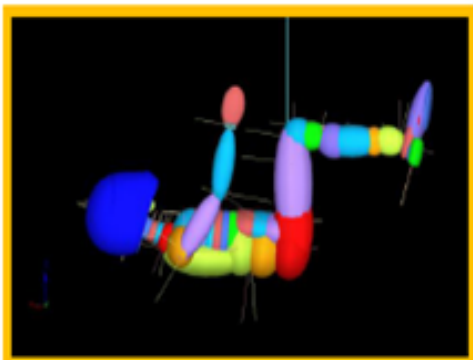
Velocità iniziale	Altezza equivalente
0,0 m/s	1,00 m
0,5 m/s	1,01 m
1,0 m/s	1,05 m
1,5 m/s	1,10 m
2,0 m/s	1,20 m
2,5 m/s	1,30 m
3,0 m/s	1,50 m
3,5 m/s	1,60 m
4,0 m/s	1,80 m
4,5 m/s	2,00 m

Caduta – Accelerazione testa Acceleration on Head



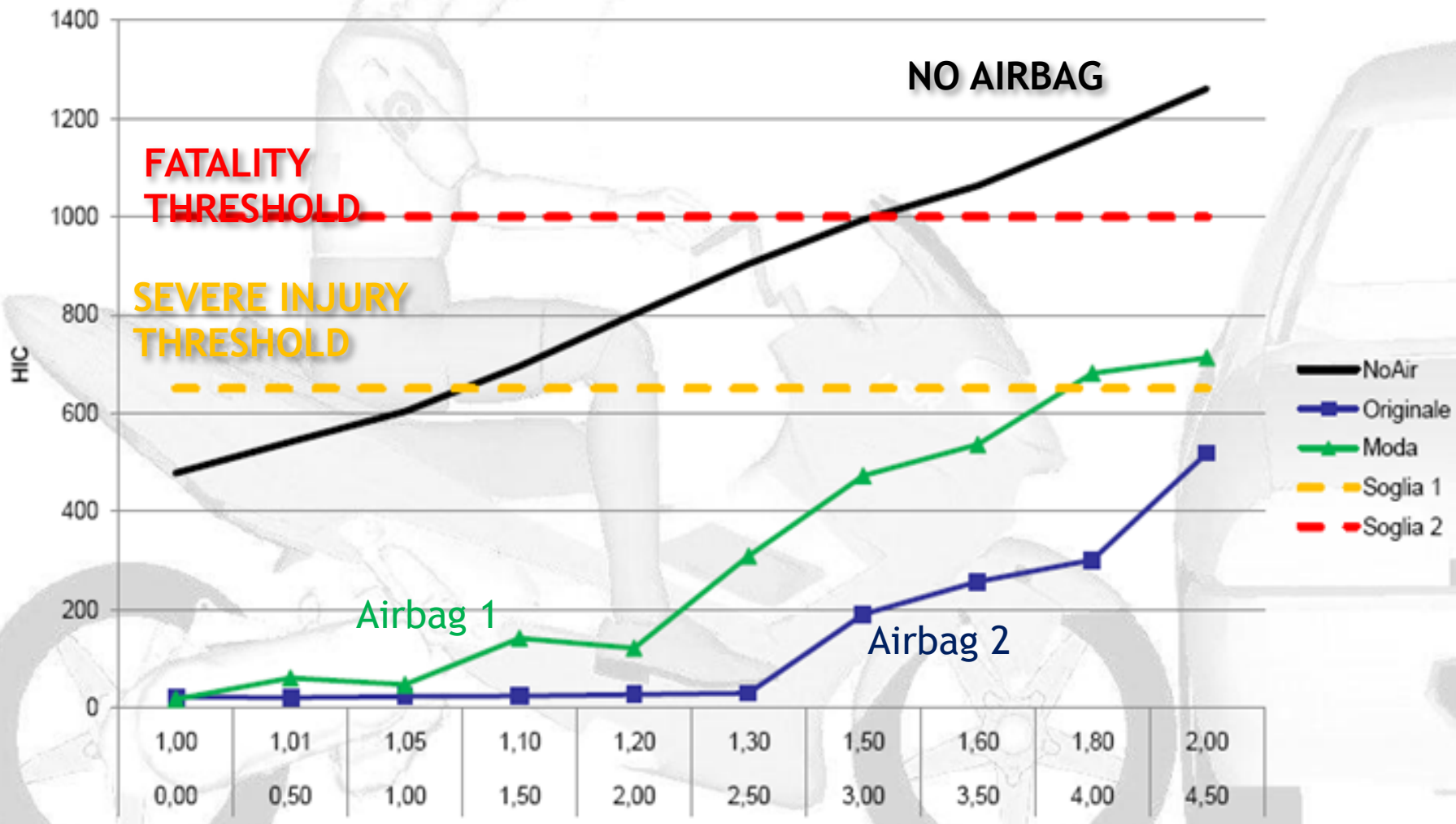
- ❑ Una prima sollecitazione arriva alla testa tramite il primo contatto della schiena
A FIRST ACCELERATION OCCURS AT THE FIRST CONTACT OF THE BACK
- ❑ L'urto più importante è quello dovuto alla rotazione del collo
THE MOST IMPORTANT SHOCK IS DUE TO THE NECK ROTATING

Caduta – Accelerazione testa Acceleration on Head



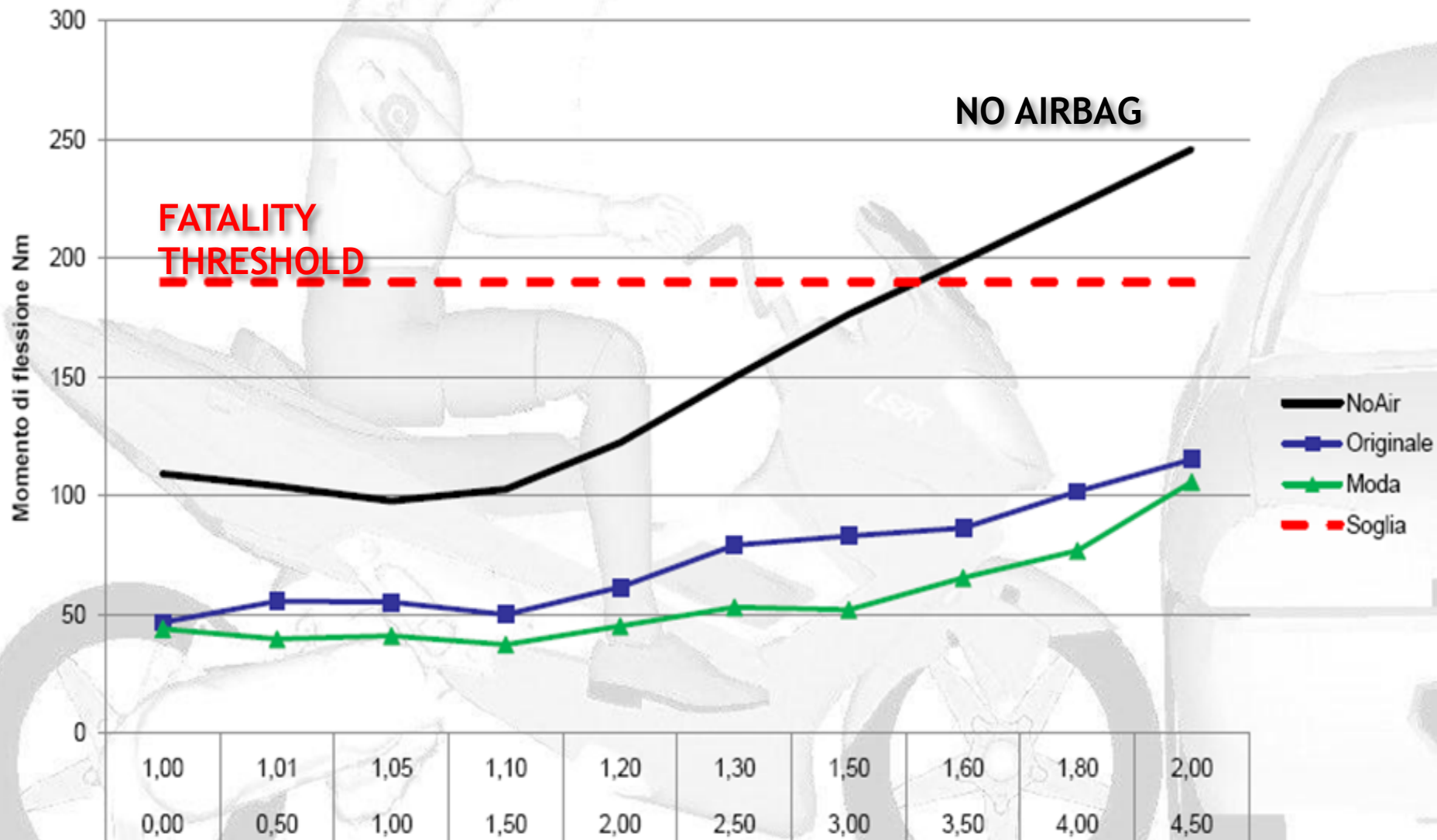
- ❑ Una prima sollecitazione arriva alla testa tramite il primo contatto della schiena
A FIRST ACCELERATION OCCURS AT THE FIRST CONTACT OF THE BACK
- ❑ L'urto più importante è quello dovuto alla rotazione del collo
THE MOST IMPORTANT SHOCK IS DUE TO THE NECK ROTATING

Caduta – HIC



HEIGHTS OF THE FALL IN METERS
INITIAL SPEED IN M/S

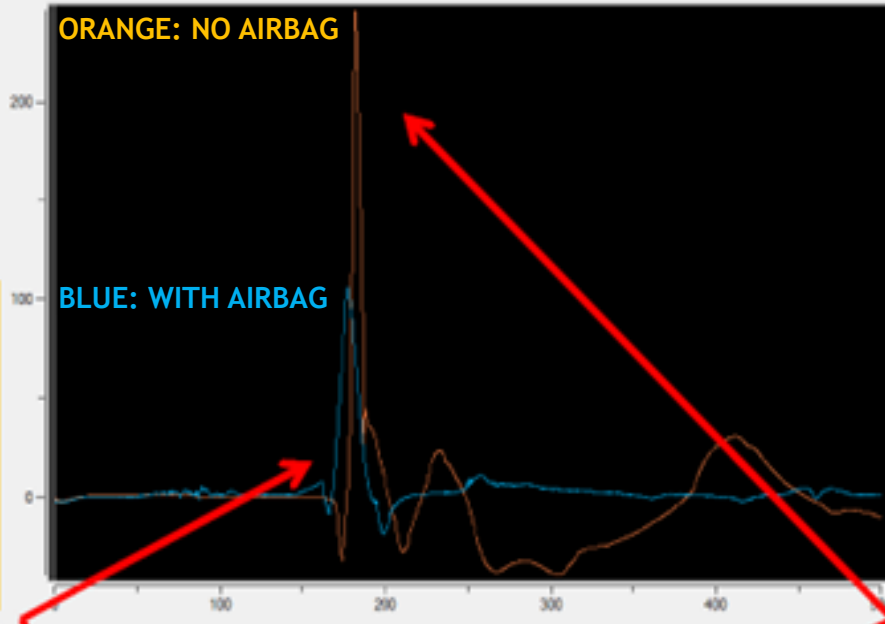
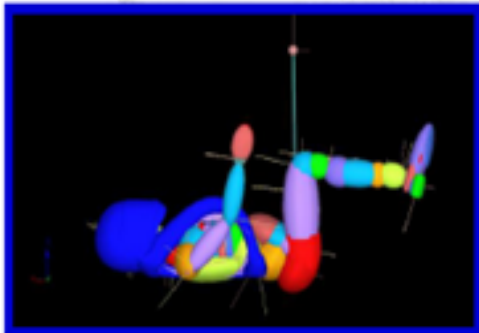
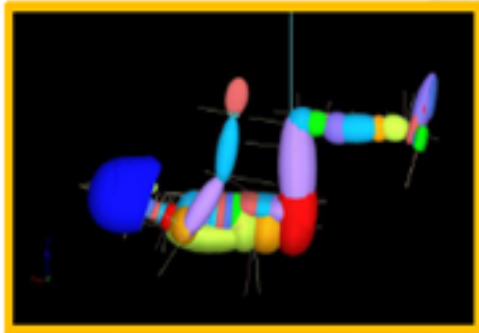
Caduta – Momento collo (flessione)



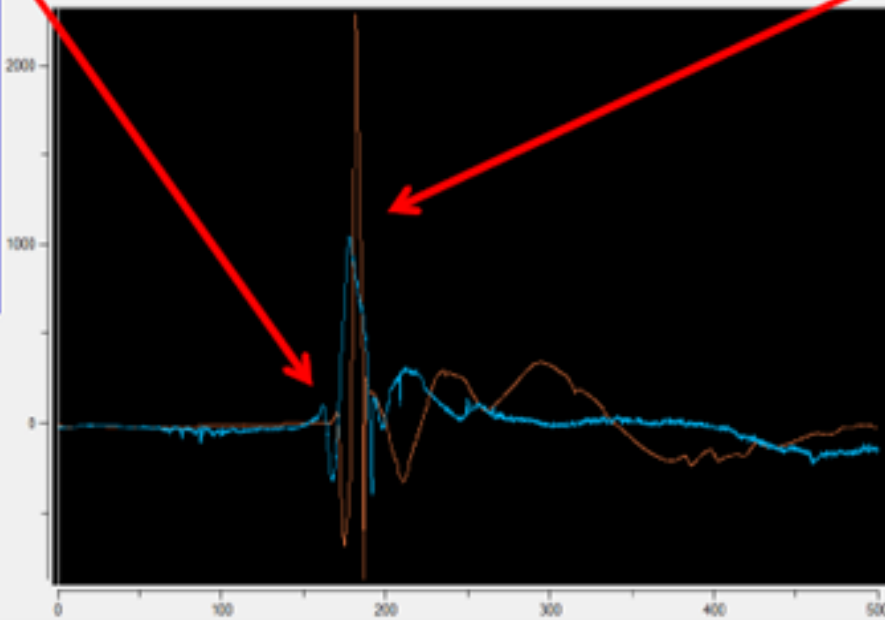
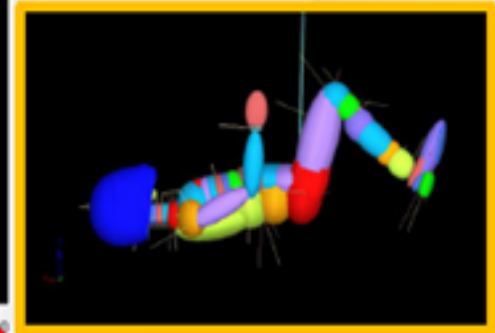
HEIGHTS OF THE FALL IN METERS
INITIAL SPEED IN M/S



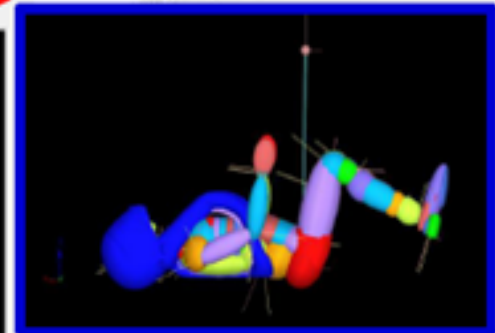
IMPACT FALL ON NECK



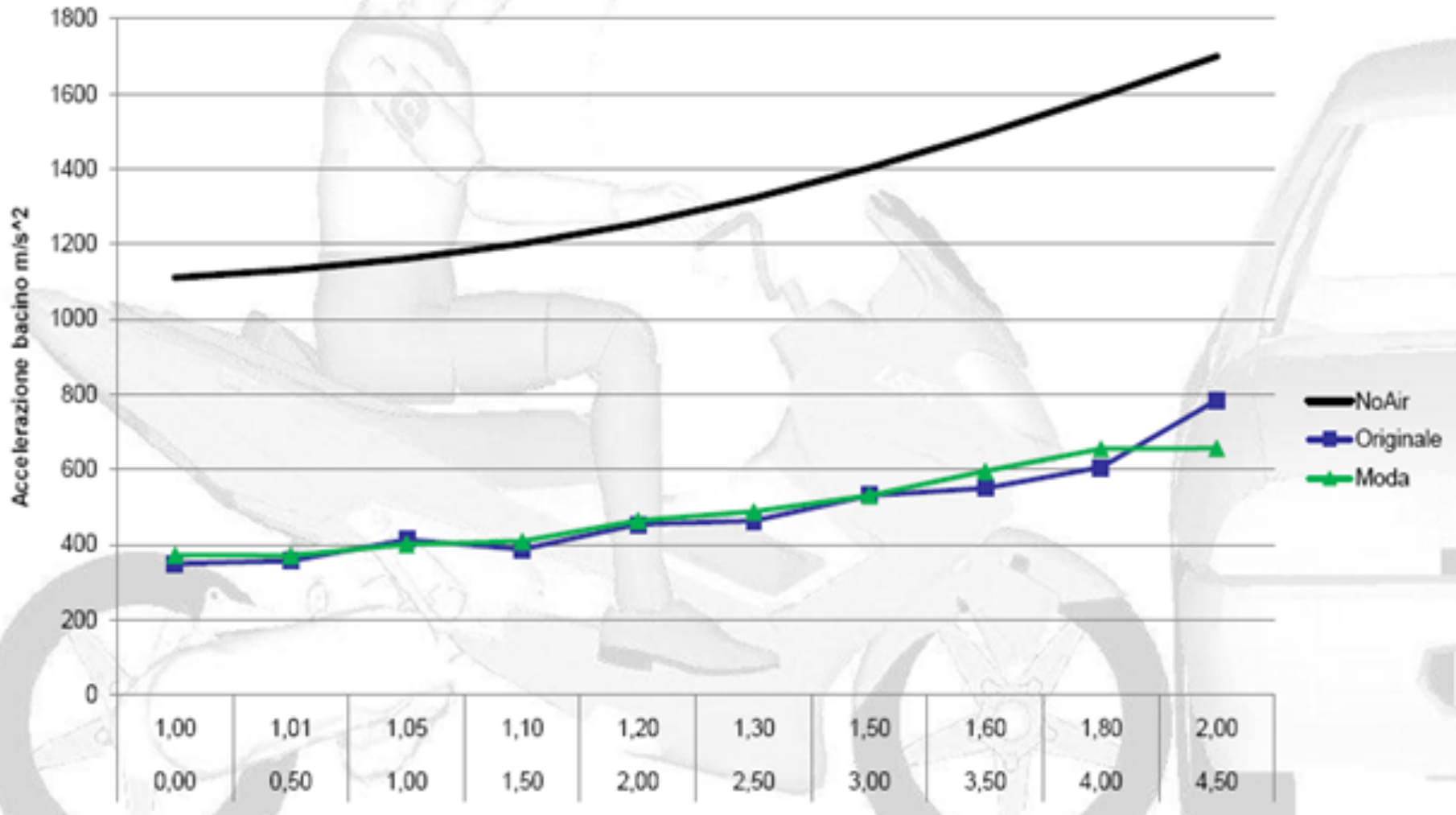
Momento
Momentum



Disassamento
SHEAR



ACCELERATION ON THE PELVIS WHEN FALLING ON THE BACK



HEIGHTS OF THE FALL IN METERS
INITIAL SPEED IN M/S