A

- 6-mo ± 15 days
- low/no amyloid

Behavior

- Loss of Righting Reflex
- Neurological Severity Score
- Rotarod
- Elevated Plus Maze
- Passive Avoidance
- Barnes Maze

24 hr apart
TBI1 TBI2

D0 D14 M1 M2 M3 M6 M7 M8

Histology - Amyloid plaque, Aβ deposit, neurons, axons, microglia
Biochemistry - Cytokine, cerebrovascular, Aβ metabolism

B

Loss of Righting Reflex

Duration (s)

TBI 1 TBI 2

Inj p=0.358 Geno p=0.848
Geno*Inj p=0.784

C

Neurological Severity Score

NSS

Baseline 1h D1 D2 D7

Inj p=0.173 Geno p<0.001
Geno*Inj p=0.835

D

Mortality during Ageing

% Mortality / Survival

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Survival Death

E

Elevated Plus Maze

% Time spent in open arms

D7 D10 1M 2M 3M 6M 7M 8M

Inj p=0.001 Geno p=0.073
Geno*Inj p=0.347

F

Elevated Plus Maze

% Time spent in closed arms

D7 D10 1M 2M 3M 6M 7M 8M

Inj p=0.001 Geno p=0.791
Geno*Inj p=0.624

G

RotaRod

Fall latency (s)

D14 D10 1M 2M 3M 6M 7M 8M

Inj p=0.100 Geno p=0.004
Geno*Inj p=0.374

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