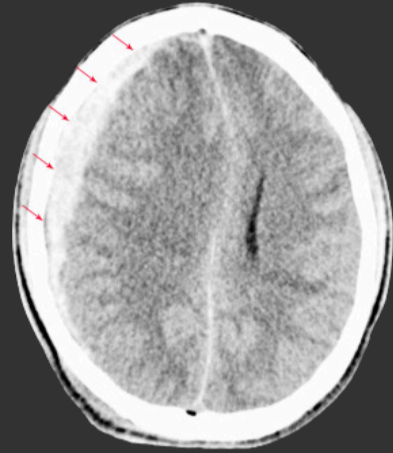
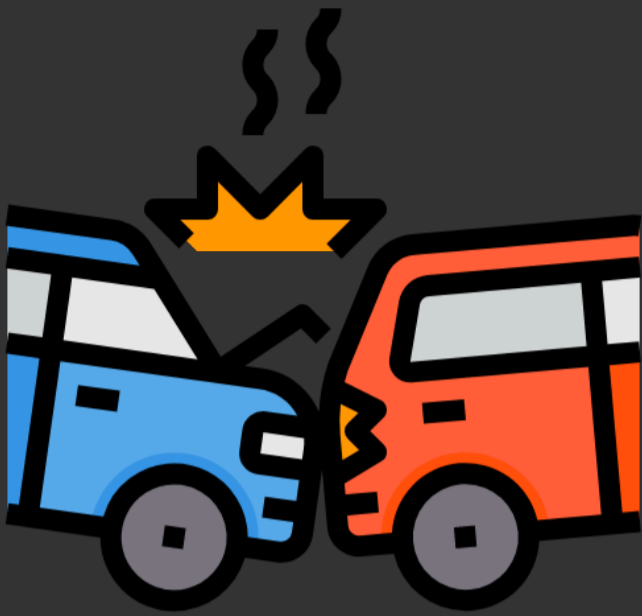


CRASH-3: RCT

Effects of tranexamic acid on death, disability, vascular occlusive events and other morbidities in patients with acute traumatic brain injury (CRASH-3): a randomised, placebo-controlled trial



Does tranexamic acid (TXA) administration within 3 hours of TBI reduce head-injury related death at 28 days?

STUDY DESIGN

- International
- Multi-center
- Randomized
- Double-Blind
- Prospective

POPULATION

Included

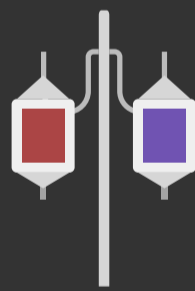
- TBI < 3 hours ago
- GCS < 12 or ICH on CT
- No major extracranial bleed

Excluded

- GCS < 3
- Bilaterally Unreactive Pupils

INTERVENTION

TXA 1 g bolus over 10 minutes, followed by TXA 1 g infusion over 8 hours



CONTROL

0.9% Saline administered in identical volume, at identical rate.

OUTCOMES

1 Head-injury death at 28 days
Determined by responsible clinician

2 All Vaso-occlusive events

Pulmonary embolism

Deep Vein Thrombosis

Stroke

Myocardial Infarction

INTERVENTION
(n=4613)

CONTROL
(n=4514)

18.5%

19.8%

1.5%

1.3%

0.4%

0.4%

0.3%

0.3%

0.6%

0.5%

0.2%

0.3%

* represents p<0.05