

Companion injury	With	without	total	Percentage	Confidence interval(CI)
Thoracic injury	39	12	51	76.5%	64.4%-88.5%^a
Pulmonary contusion	39	12	51	76.5%	64.4%-88.5% ^a
Mediastinal emphysema	5	46	51	9.8%	1.4%-18.3% ^b
Multiple rib fracture	7	44	51	13.5%	3.9%-23.1% ^a
Single rib fracture	2	49	51	3.85%	1.4%-13.6% ^b
Clavicle fracture	6	45	51	11.8%	2.6%-20.9% ^a
Craniocerebral injury	17	34	51	33.3%	19.9%-46.7%^a
Cranial fracture	8	43	51	15.7%	5.4%-26.0% ^a
Cerebral contusion or hemorrhage	6	45	51	11.8%	2.6%-20.9% ^a
Hypoxic-ischemic brain injury	8	43	51	15.7%	5.4%-26.0% ^a
Abdominal injury	10	41	51	19.6%	8.3%-30.9%^a
Liver contusion	6	45	51	11.8%	2.6%-20.9% ^a

Kidney contusion	5	46	51	9.8%	1.4%-18.3% ^b
Spleen contusion	2	49	51	3.9%	1.4%-13.6% ^b
Pancreas contusion	1	50	51	2.0%	0.0%-10.5% ^b
Adrenal contusion	1	50	51	2.0%	0.0%-10.5% ^b
Other	42	9	51	82.4%	71.5%-93.2%^a
Other fracture	22	29	51	43.1%	29.1%-57.2% ^a
Mastoid hemorrhage	7	44	51	13.5%	3.9%-23.1% ^a
Hematocele of paranasal sinuses	10	41	51	19.6%	8.3%-30.9% ^a
Straightening or reversal of cervical lordosis	3	48	51	5.9%	1.2%-16.2% ^b
Atlantoaxial subluxation	3	48	51	5.9%	1.2%-16.2% ^b
Spinal injury	3	48	51	5.9%	1.2%-16.2% ^b
Hematuria	6	45	51	11.8%	2.6%-20.9% ^a
Hepatic insufficiency*	26	23	49	53.1%	38.6%-67.5% ^a

Myocardial injury**	26	9	35	74.3%	59.1%-89.5% ^a
Retinal hemorrhage and edema	3	12	15	20.0%	4.3%-48.1% ^b

Table 3. Companion injuries of TA.

*Hepatic insufficiency defined as elevation of glutamic-pyruvic transaminase, glutamic oxaloacetic transaminase and lactate dehydrogenase within 2 days after hospitalization. Abnormal hepatic function caused by definitive liver contusion was not excluded.

**Myocardial injury defined as elevation of creatine kinase isoenzyme-MB (CK-MB) and cardiac troponin (cTn) within 3 days after hospitalization.