

**Appendix 3 (as supplied by authors):** Accuracy of the initial single-pass pan-scan for individual injuries, derived from the entire cohort and the subgroup of patients with multiple trauma. Values are percentages, with 95% confidence intervals in parentheses. PPV=positive predictive value; NPV=negative predictive value

Region or injury	All patients (n = 982)					Patients with multiple trauma (n = 358)				
	Prevalence	Sensitivity	Specificity	PPV	NPV	Prevalence	Sensitivity	Specificity	PPV	NPV
Brain injuries	24.0	86.0 (80.9-90.2)	99.2 (98.3-99.7)	97.1 (93.9-98.9)	95.7 (94.1-97.0)	51.0	89.7 (84.4-93.7)	98.9 (95.9-99.9)	98.8 (95.8-99.9)	90.1 (85.0-93.9)
Skull fractures	15.0	86.0 (79.0-91.4)	99.2 (98.3-99.7)	95.1 (89.7-98.2)	97.6 (96.3-98.6)	31.0	91.5 (84.5-96.0)	98.3 (95.8-99.5)	96.0 (90.2-98.9)	96.3 (93.1-98.3)
Cervical spine injuries	10.0	78.8 (69.4-86.4)	99.3 (98.5-99.8)	92.9 (85.1-97.3)	97.7 (96.4-98.5)	19.0	85.1 (74.3-92.6)	99.3 (97.6-99.9)	96.6 (88.3-99.6)	96.7 (94.0-98.4)
Facial injuries	19.0	79.6 (73.2-85.1)	99.1 (98.2-99.6)	95.6 (91.1-98.2)	95.3 (93.6-96.6)	28.0	85.3 (76.9-91.5)	98.1 (95.5-99.4)	94.6 (87.8-98.2)	94.4 (90.9-96.8)
Serial rib fractures	14.0	89.5 (83.0-94.1)	99.8 (99.2-100)	98.3 (94.2-99.8)	98.4 (97.3-99.1)	30.0	89.0 (81.6-94.2)	100 (98.5-100)	100 (96.3-100)	95.4 (92.2-97.6)
Lung contusions	20.0	78.5 (72.0-84.0)	98.9 (97.8-99.5)	94.4 (89.7-97.4)	94.9 (93.1-96.3)	37.0	84.1 (76.7-89.9)	97.4 (94.4-99.0)	94.9 (89.2-98.1)	91.4 (87.1-94.6)
Pneumothorax	16.0	84.4 (77.8-89.6)	99.9 (99.3-100)	99.3 (96.0-100)	97.0 (95.7-98.1)	34.0	81.8 (73.8-88.2)	99.6 (97.7-100)	99.0 (94.6-100)	91.5 (87.5-94.6)
Hemothorax	9.1	57.3 (46.4-67.7)	99.4 (98.7-99.8)	91.1 (80.4-97.0)	95.9 (94.4-97.1)	22.0	57.7 (46.0-68.8)	98.6 (96.4-99.6)	91.8 (80.4-97.7)	89.4 (85.4-92.6)
Aortic or cardiac injuries	2.0	70.0 (45.7-88.1)	99.8 (99.3-100)	87.5 (61.7-98.4)	99.4 (98.7-99.8)	4.7	70.6 (44.0-89.7)	99.7 (98.4-100)	92.3 (64.0-99.8)	98.6 (96.7-99.5)
Thoracic spine injuries	13.0	83.3 (75.9-89.3)	99.8 (99.2-100)	98.2 (93.7-99.8)	97.5 (96.2-98.4)	18.0	83.3 (72.1-91.4)	99.3 (97.6-99.9)	96.5 (87.9-99.6)	96.4 (93.6-98.2)
Lumbar spine injuries	17.0	88.4 (82.5-92.9)	99.5 (98.8-99.9)	97.3 (93.3-99.3)	97.7 (96.5-98.6)	24.0	87.1 (78.0-93.4)	99.3 (97.4-99.9)	97.4 (90.8-99.7)	96.1 (93.2-98.1)
Liver injuries	5.0	85.7 (72.8-94.1)	99.9 (99.4-100)	97.7 (87.7-99.9)	99.3 (98.5-99.7)	10.0	86.5 (71.2-95.5)	99.7 (98.3-100)	97.0 (84.2-99.9)	98.5 (96.5-99.5)
Splenic injuries	5.8	73.7 (60.3-84.5)	99.7 (99.1-99.9)	93.3 (81.7-98.6)	98.4 (97.4-99.1)	11.0	75.0 (58.8-87.3)	99.1 (97.3-99.8)	90.9 (75.7-98.1)	96.9 (94.4-98.5)
Hollow visceral or mesenteric tears	2.1	57.1 (34.0-78.2)	98.5 (97.6-99.2)	46.2 (26.6-66.6)	99.1 (98.2-99.6)	4.7	47.1 (23.0-72.2)	97.4 (95.1-98.8)	47.1 (23.0-72.2)	97.4 (95.1-98.8)
Retroperitoneal haematoma	5.9	62.1 (48.4-74.5)	98.9 (98.0-99.5)	78.3 (63.6-89.1)	97.6 (96.5-98.5)	13.0	67.4 (52.0-80.5)	98.1 (95.9-99.3)	83.8 (68-93.8)	95.4 (92.5-97.4)
Renal trauma	3.3	56.3 (37.7-73.6)	99.5 (98.8-99.8)	78.3 (56.3-92.5)	98.5 (97.6-99.2)	7.5	63.0 (42.4-80.6)	98.8 (97.0-99.7)	81.0 (58.1-94.6)	97.1 (94.6-98.6)
Pelvic ring fractures	12.0	95.8 (90.5-98.6)	99.7 (99.0-99.9)	97.4 (92.7-99.5)	99.4 (98.7-99.8)	20.0	97.2 (90.3-99.7)	99.7 (98.1-100)	98.6 (92.4-100)	99.3 (97.5-99.9)
Acetabular fractures	7.9	78.2 (67.4-86.8)	92.7 (90.8-94.3)	48.0 (39.1-57.1)	98.0 (96.8-98.8)	13.0	85.4 (72.2-93.9)	88.5 (84.4-91.8)	53.2 (41.5-64.7)	97.5 (95.0-99)

Appendix to: Stengel D., Ottersbach C., Matthes G., et al. Accuracy of single-pass whole-body computed tomography for detection of injuries in patients with major blunt trauma. *CMAJ* 2012. DOI:10.1503/cmaj111420.

Copyright © 2012 Canadian Medical Association or its licensors.