Supplemental Table 2. Additional characteristics of patients with and without vasopressor (all patients and PS matched patients)

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| --- | --- | --- | --- | --- | --- | --- |
|  | All patients (n=3551) | | | PS matched patients (n=596) | | |
| Variable | Vasopressor+  (n=459) | Vasopressor-  (n=3092) | p value | Vasopressor+  (n=298) | Vasopressor-  (n=298) | SD |
| Vital signs prehospital  sBP (mmHg)  HR (bpm)  RR (bpm) | 91 (80-114)  100(78-120)  24 (20-30) | 92 (80-115)  95 (78-116)  24 (20-30) | 0.475\*  0.006\*  0.006\* | 90 (78-110)  100 (78-120)  24 (20-30) | 96 (80-116)  96 (80-118)  24 (20-30) | 0.14  0.10  0.10 |
| RTS | 5.9 (4.5-6.4) | 6.4 (5.4-7.1) | <0.001\* | 6.1 (5.1-6.8) | 6.1 (5.1-6.8) | 0.01 |
| AIS  Head (n=770)  Face (n=553)  Neck (n=168)  Thorax (n=1831)  Abdomen and Pelvis (n=1650)  Cervical Spine (n=856)  Upper extremity (n=1150)  Lower extremity (n=2094)  Others (n=171) | 3 (2-3)  1 (1-2)  3 (2-4)  4 (3-4)  3 (3-4)  2 (2-3)  2 (2-3)  4 (3-5)  1 (1-3) | 3 (2-3)  1 (1-2)  3 (1-3)  4 (3-4)  3 (3-4)  2 (2-3)  2 (2-3)  3 (3-4)  1 (1-1) | 0.353\*  0.872\*  0.121\*  0.273\*  0.008\*  0.582\*  0.363\*  <0.001\*  0.166\* | 3 (2-3)  2 (1-2)  3 (3-3)  4 (3-4)  3 (3-4)  2 (2-3)  2 (2-3)  3 (3-5)  1 (1-2) | 3 (1-3)  1 (1-2)  3 (2-3)  4 (3-4)  3 (3-4)  2 (2-2)  2 (2-3)  3 (3-4)  1 (1-2) | 0.18  0.29  0.59  0.02  0.01  0.49  0.00  0.30  0.20 |
| TRISS (Probability of survival) (%) | 70 (43-90) | 85 (63-94) | <0.001\* | 70 (44-88) | 74 (47-88) | 0.07 |
| Premorbid medical conditions  Stroke  Dementia  Coronary heart disease  Congestive heart failure  Chronic obstructive lung disease  Chronic hepatitis  Peptic ulcer  Chronic renal failure  Diabetes  Malignancy  Use of corticosteroids or immunosuppressant drugs | 22/459 (4.8%)  18/459 (3.9%)  19/459 (4.1%)  8/459 (1.7%)  6/459 (1.3%)  11/459 (2.4%)  11/459 (2.4%)  5/459 (1.1%)  44/459 (9.6%)  6/459 (1.3%)  6/459 (1.3%) | 94/3092 (3.0%)  96/3092 (3.1%)  88/3092 (2.8%)  47/3092 (1.5%)  23/3092 (0.7%)  62/3092 (2.0%)  46/3092 (1.5%)  29/3092 (0.9%)  252/3092 (8.2%)  59/3092 (1.9%)  18/3092 (0.6%) | 0.049†  0.354†  0.130†  0.718†  0.211†  0.581†  0.148†  0.756†  0.299†  0.370†  0.077† | 15/298 (5.0%)  12/298 (4.0%)  9/298 (3.0%)  5/298 (1.7%)  4/298 (1.3%)  9/298 (3.0%)  10/298 (3.4%)  5/298 (1.7%)  29/298 (9.7%)  4/298 (1.3%)  4/298 (1.3%) | 9/298 (3.0%)  5/298 (1.7%)  7/298 (2.3%)  4/298 (1.3%)  2/298 (0.7%)  7/298 (2.3%)  2/298 (0.7%)  2/298 (0.7%)  23/298 (7.7%)  5/298 (1.7%)  1/298 (0.3%) | 0.10  0.14  0.04  0.03  0.06  0.04  0.19  0.09  0.07  -0.03  0.11 |
| FAST  Positive  Negative  Not conducted | 194/439 (44%)  208/439 (47%)  37/439 (8.4%) | 974/2955 (33%)  1568/2955 (53%)  413/2955 (14%) | <0.001† | 115/286 (40%)  147/286 (51%)  24/286 (8.4%) | 111/291 (38%)  155/291 (53%)  25/291 (8.6%) | 0.04  -0.04  0.00 |
| Blood Transfusion  Massive Transfusion | 223/459 (49%) | 832/3092 (27%) | <0.001† | 112/298 (38%) | 135/298 (45%) | -0.14 |
| Operation at initial evaluation  Thoracotomy  Laparotomy | 39/459 (8.5%)  155/459 (34%) | 198/3092 (6.4%)  684/3092 (22%) | 0.094†  <0.001† | 21/298 (7.0%)  98/298 (33%) | 31/298 (10%)  89/298 (30%) | -0.10  0.06 |
| Catheter-based angiography  Chest  Abdomen  Pelvis | 22/459 (4.8%)  98/459 (21%)  125/459 (27%) | 137/3092 (4.4%)  593/3092 (19%)  590/3092 (19%) | 0.726†  0.273†  <0.001† | 8/298 (2.7%)  63/298 (21%)  80/298 (27%) | 15/298 (5.0%)  57/298 (19%)  67/298 (23%) | -0.11  0.05  0.09 |
| TAE | 116/459 (25%) | 668/3092 (22%) | 0.077 | 76/298 (26%) | 77/298 (26%) | 0.00 |

PS, propensity score; sBP, systolic blood pressure; HR, heart rate; RR, respiratory rate; RTS, revised trauma score; AIS, abbreviated injury scale; TRISS, trauma and injury severity score; FAST, focused assessment with sonography for trauma; TAE, transcatheter arterial embolization.

\*Man -Whitney U test, †Chi-Square test.

Missing: All patients: sBP at prehospital=1158, HR at prehospital=616, RR at prehospital=862, RTS=386, TRISS=548, FAST=157: PS matched patients: sBP at prehospital=210, HR at prehospital=111, RR at prehospital=144, TRISS=16, FAST=19.