

Timing and volume of transfusion for adult major trauma patients with haemorrhagic shock: A registry-based cohort study

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Supplementary material

Appendix Table 1. Initial multivariable model for the association with hospital mortality among all included patients

Variable	Adjusted OR (95%CI)	p-value
Age (years)	1.05 (1.02-1.08)	<0.001
Injury Severity Score:		
- <12	Ref	Ref
- 12-25	0.57 (0.09-3.81)	0.56
- 26-40	1.21 (0.21-6.91)	0.21
- >40	1.09 (0.19-6.34)	0.19
Cause of injury		
- Motor car or truck crash	3.02 (0.46-19.8)	0.25

- Motorcycle crash	1.09 (0.11-10.16)	0.94
- Pedal cycle crash	0.74 (0.06-8.60)	0.81
- Pedestrian	1.81 (0.25-12.92)	0.55
- Low fall	2.94 (0.16-54.86)	0.47
- High fall	2.51 (0.29-21.39)	0.40
- Penetrating	0.55 (0.03-9.96)	0.69
- Other	Ref	Ref
Initial SBP (mmHg)	0.96 (0.93-0.99)	0.009
Initial pulse rate (b/min)	0.99 (0.98-1.01)	0.27
Intracranial bleeding or diffuse axonal injury	2.19 (0.85-5.65)	0.11
Total blood components in 4 hours (units)	1.08 (1.02-1.14)	0.008
Time to first blood component (mins)	0.99 (0.95-1.03)	0.56

Appendix Table 2. Initial multivariable model for the association with hospital mortality among patients managed with urgent surgery or angioembolisation

Variable	Adjusted OR (95%CI)	p-value
Age (years)	1.11 (1.05-1.19)	<0.001
Initial SBP (mmHg)	0.94 (0.87-1.02)	0.016
Intracranial bleeding or diffuse axonal injury	3.40 (0.58-19.91)	0.17
Total blood components in 4 hours (units)	1.17 (1.05-1.31)	0.004
Time to first blood component (mins)	0.96 (0.84-1.09)	0.52

Appendix Table 3

Variable	Urgent operating room or	Complementary	p-value
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	angiography (n=90)	group (n=105)	
Age (years)	46.2 (SD 20.3)	52.8 (SD 22.6)	0.034
Injury Severity Score:			0.16
- <12	11 (12.2%)	19 (18.1%)	
- 12-25	19 (21.1%)	33 (31.4%)	
- 26-40	25 (27.8%)	23 (21.9%)	
- >40	35 (38.9%)	30 (28.6%)	
Cause of injury			0.29
- Motor car or truck crash	24 (26.7%)	29 (27.6%)	
- Motorcycle crash	15 (16.7%)	9 (8.6%)	
- Pedal cycle crash	5 (5.6%)	4 (3.8%)	
- Pedestrian	17 (18.9%)	10 (19.1%)	
- Low fall	2 (2.2%)	9 (8.6%)	
- High fall	7 (7.8%)	12 (11.4%)	
- Penetrating	10 (11.1%)	15 (14.3%)	
- Other	10 (11.1%)	7 6.7%	
Initial SBP (mmHg)	70.9 (SD 11.6%)	69.9 (SD 20.4)	0.66
Initial pulse rate (b/min)	103.4 (SD 30.0)	92.9 (SD 35.3)	0.027
Intracranial bleeding or diffuse axonal injury	21 (23.3%)	33 (31.7%)	0.19
Total blood components in 4 hours (median units)	10 (IQR 6-18)	6 (IQR 3-9)	<0.001
Time to first blood component (median mins)	9 (IQR 6-15)	10 (IQR 6-17)	0.48

Supplementary Figure 1. Time to death

