

Table 3.

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
Subject	Injury	Adm. BP	Duration BP <100/60	Pints Trans. Blood	Point Units of Trauma	Hrs. Post-op.	Urine output on day of test cc./24 hrs.	C _{IN} cc./min.	C _{PAH} cc./min.	C _{IN} /C _{PAH} %	T _{IN} PAH mg./min.	C _{IN} T _m %	C _{PAH} T _m %	Outcome
<i>Controls</i>														
1	Circumcision.	130/66				Control	4200	155.0	620	25.0	61.0	2.54	10.20	Ret. to duty.
2	Circumcision.	140/82				Control	1800	160.0	770	20.8	71.5	2.24	10.75	Ret. to duty.
2	Circumcision.	125/70				Control	1280	140.0	850	16.0	51.0	2.75	16.70	Ret. to duty.
4	Two subcutaneous shell fragments.	120/67				Control (?)	5000	162.0	420	39.0	98.0	1.65	4.39	Evac.
5	Back sprain.					Control		140.0						Ret. to duty.
6	Back sprain.					Control		135.0						Ret. to duty.
<i>Peripheral Injuries</i>														
7	Soft tissue damage to legs.	0/0	1 hr.	0	2	14	2400 1000	143.0 145.0	340.0 966.0	42.4 15.0				Rec'd. 1000 cc. dist. H ₂ O intravenously during anesthesia. No ill effects. Evac. 3rd day.
8	Neg. laparotomy soft tissue dam. to thigh.	80/20	<30 min.	2	8	20	?	147.0	435.0	33.8	135.0	1.09	3.22	Evac.
9	Soft tissue dam. to legs. Bilat. frac. os calcis.	120/80	<30 min.	*2	9.5	15	700	150.5	475.0	31.7				Evac.
10	Fr. humerus, ribs, dam. to tissue of chest wall & arms.	100/70	30 min.	5	10	57	550	173.0	760.0	24.0				Accidentally given 1000 cc. distilled water intravenously at battalion aid station-no ill effects. Evac.

11	Soft tissue & lac. femoral artery. Massive hemorrhage.	0/0	2 hrs.	13	11	10 84 200	1400 1500 40	131.0 146.2 1.1	302.0 501.0 12.0	43.0 29.2 9.1						Postop. transf. reaction at 196 hrs. Trans. to Kidney Center on 9th day. Evac. Japan 38th day. Recovered.
12	Frac. tibia and fibula. Traumatic amp. of foot.	120/80	30 min.	2	12	29	?	139.0	485.0	28.8						Evac.
13	Traumatic amp. soft tissue dam. to legs.	120/76	1 hr.	*0	12	24 96	1850 120	86.5 2.8	289.0 18.8	29.9 14.7	103.0	0.84	2.81			Transf. reaction followed by oliguria on 4th day. Uneventful recovery after dialysis. Evac. to Japan in 1 month.
14	Amp. leg, soft tissue dam., frac. opposite tibia.	0/0	4-5 hrs.	8	17	90	1000	135.0	550.0	24.5						Evac.
15	Traumatic amp. of foot. Frac. tibia, soft tissue dam. to opposite leg.	110/60	4 hrs.	13	16	14 62	930 1250	126.0 132.0	575.0 690.0	21.9 19.1						Evac.
16	Fracture humerus. Soft tissue dam. to shoulder.	118/70	30 min.	2	17	36 64	? ?	120.0 159.0	384.0 860.0	31.0 19.0	68.0	1.77	5.65			Evac.
17	Frac. tibia, traumatic amp., soft tissue dam. to arm.	110/70	2 hrs.	5	18	36	1190	220.0	675.0	33.1						?
18	Bilat. frac. femur and pelvis.	82/40	4 hrs.	18	30	1 8 26 96 8 days	450 7750 3550 1800 1200	54.4 25.5 81.1 118.0 139.0	188.0 95.4 366.0 620.0	28.9 26.8 22.1 19.0	90.0 90.0 90.4	0.61 0.28 0.90	2.09 1.06 4.06			Evac. to Japan on 10th postop. day.
19	Bilat. frac. tibia & femur, massive soft tissue injury, delayed amp.	110/40	1½ hrs.	13	40	13 55 120 14 days	630 570 1300 3600	23.5 17.0 10.0 118.0	162.5 71 530	14.5 14.1 22.3	78.8 22.0 30.0	1.76 1.07 0.57	7.38			Transf. to the Kidney Center after 72 hrs. Artificial dialysis 5th day. Evac. 3 wks. Recovered.

*Received Dextran as blood substitute.

Table 3—Continued

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
Subject	Injury	Adm. BP	Duration BP < 100/60	Pints Trans. Blood	Point Units of Trauma	Hrs. Post- op.	Urine output on day of test cc./24 hrs.	C _{IN} cc./min.	C _{PAH} cc./min.	C _{IN} /C _{PAH} %	T _{IN} PAH mg./min.	C _{IN} T _{IN} %	C _{PAH} T _{IN} %	Outcome
<i>Peripheral, with Associated Abdominal Injuries</i>														
20	Soft tissue dam. to buttocks tr. amp. hand. Pref. small bowel.	80/40	4 hrs.	4	8	19	?	159.0	552	29.0	69.0	2.30	8.00	Evac.
21	Frac. femur, lac. in stomach and small bowel.	60/40	<30 min.	15	25	45	2550	197.0	506.0	39.0				Evac.
22	Lac. of sm. b. & colon. Extensive soft tissue dam. to head and neck.	70/50	<30 min.	13	29	17	2700	120.0	446.0	27.0				Evac.
						45	1250	188.0	563.0	33.0				
						61	?	146.0	462.0	31.4				
23	Ext. dam. to soft tissue of thigh. Lac. vena cava, frac. pelvis, head injury.	80/60	1 hr.	18	41	3	675	63.4	356.0	16.4				Died on 2nd day.
						18	600	7.4	59.0	12.5	19.6	0.38	3.02	Subdural hematoma.
24	Frac. femur, both tibia, perf. in small bowel, colon vena cava.	0/0	3 hrs.	20	37	13	250	29.2	172.5	16.9	52.0	0.56	3.32	Evac. to Japan on 15th day.
						33	560	47.0	112.2	41.7	50.8	0.92	2.21	
						85	550	39.0	132.0	29.5	60.8	0.64	2.18	
						190	1300	115.0	432.0	26.7	49.5	2.32	8.72	
						270	1350	124.0	659.0	18.9	49.1	2.52	13.40	
25	Ext. dam. to soft tissue of abd. wall, back & legs, head, neck & arms. Bilat. frac. humerus, multiple perf. sn. b. & stomach. Lac. liver.	50/0	<30 min.	24	44	8	250	22.0	180.0	12.2	48.0	0.46	3.75	Evac. on 5th day.
						41	1250	59.5	371.0	16.1				"Eviscerated," died
						72	2000	88.0	400.0	22.0	52.0	1.70	7.70	"uremia" 2nd week.
26	Hemothorax. Lac. of lung, spleen, liver, kidney, sm. b., colon. Frac. femur, soft tissue to thigh.	80/60	4 hrs.	28	48	14	Nil	1.4	16.0	8.8				Died 18 hrs.

Thoracic Injuries

27	Perf. sternum and pericardium.	118/70	?	2	7	68	?	166.0	772.0	22.0	101.0	1.65	7.65	Evac.
						89		159.0	900.0	18.0	77.0	2.07	11.70	
28	Lac. liver, hemothorax.	?	<30 min.	4	11	28	?	156.0	678.0	23.0				Evac.
29	Hemothorax, frac. rib, neg. laparotomy.	90/50	2 hrs.	15	17	38	980	126.0	533.0	23.7				Evac.
30	Massive hemorrhage from axillary artery, hemothorax. Lac. of lung.	0/0	3½ hrs.	25	25	6	800	147.0	331.0	44.3				Evac.
						48	1000	160.0	430.0	37.3				
31	Massive hemorrhage from axillary artery, hemothorax. Lac. of lung. Frac. humerus.	0/0	2 hrs.	15	28	38	1300	135.0	556.0	24.3	97.0	1.40	5.72	Evac.

Thoraco-abdominal Injuries

32	Hemothorax, small lac. liver and spleen.	110/71	?	8	18	11	600	180.0	461.0	39.1	135.0	1.33	3.42	Evac.
						38	650	176.0	576.0	31.0	110.0	1.60	5.24	
						82	800	136.0	428.0	32.0	143.0	0.95	3.00	
33	Hemothorax. Ext. lac. lung, liver, spleen, stomach, pancreas.	0/0	2 hrs.	28	41	6	Nil	2.4	34.3	7.0				Died 16 hrs.
34	Ext. lac. lungs. Bilat. hemothorax, shattered dome, liver, frac. humerus.	100/60	1 hr.	10	31	3	1575	45.0	187.0	24.0	92.7	0.49	2.02	Evac.
						52	2500	98.9	352.0	28.1	95.0	1.04	3.71	
						122	1575	137.0	444.0	30.9	101.0	1.36	4.40	
35	Hemothorax, lac. lung, stomach, spleen, sm. b., liver.	0/0	1 hr.	13	36	41	680	67.0	339.0	20.0				Evac.
36	Lac. stomach, sm. b., liver, spleen, colon, cardiac tamponade, lac. lung, frac. ribs, humerus, tibia, fibula, soft tissue dam. to leg and arm.	80/60	4 hrs.	25	45	4	378	4.2	28.5	14.3	34.0	0.12	0.84	Trans. to Kidney Center 2nd day. Died 1 mo. later of peritonitis.

Table 3—Continued

(a) Sub- ject	(b) Injury	(c) Adm. BP	(d) Duration BP < 100/60	(e) Pints Trans. Blood	(f) Point Units of Trauma	(g) Hrs. Post- op.	(h) Urine output on day of test cc./24 hrs.	(i) C _{IN} cc./min.	(j) C _{PAH} cc./min.	(k) C _{IN} /C _{PAH} %	(l) T _{MPAH} mg./min.	(m) C _{IN} T _m %	(n) C _{PAH} T _m %	(o) Outcome
<i>Abdominal Injuries</i>														
37	Perforations of liver and gallbladder.	140/90	<30 min.	5	10	34		148.0	500.0	29.7				Accidentally given 800 cc. distilled water-intravenously between 24 & 30 hrs. postop. No ill effects.
38	Multiple perf. sm. b., massive intra-abdominal hemorrhage.	80/60	8	25	14.5	13 200	1000 150	120.0 16.0	353.0 59.0	34.0 26.3	76.0 37.0	1.58 0.44	4.65 1.60	Intestinal obst. 5th day. Died, pneumonia 12th day.
39	Perf. of sm. b., colon, bladder.	100/70	<30 min.	9	33	9 50	800 Nil	74.0 2.0	246.0 11.6	30.0 17.0	82.0	0.90	3.00	Rec'd. by error, 5000 cc. 0.9% Nall. In 24 hrs. showed oliguria and pulmonary edema. Trans. to Kidney Cen. on 3rd day. Evac. in 3 wks.
40	Lac. sm. b., colon, spleen, bladder. Ext. retro-peritoneal trauma.	70/40	1 hr.	13	37	11 29 60	650 1950 1200	61.1 118.5 120.5	219.0 633.0 442.0	27.9 18.8 27.3				
41	Hemothorax, lac. of lung, stomach, sm. b., kidney, spleen, femoral vein. Ext. soft tissue dam. to thigh and abd. wall.	80/40	1 hr.	25	43	35 19 days	1200 2300	25.0 132.0	251.0 521.0	20.0 25.3				Evac.

42	Ext. retroperitoneal soft tissue dam. Lac. vena cava. Perf. in sm. b., stomach, colon. Ext. destruction of thigh & buttock.	130/70	3 hrs.	21	42	14 62 150 360	255 925 1360 2000	5.2 17.7 18.6 144.0	26.4 105.0 108.0 667.0	19.8 16.9 17.5 26.8	23.9 20.0 22.7 66.0	2.17 0.89 0.82 2.18	1.11 5.25 4.76 10.12	Trans. to Kidney Cen. 9th day. Evac. to Japan 1 mo. Recovered.
43	Liver, sm. b., pancreas, spleen (crush injury).	138/90	<30 min.	22	43	36	300	4.5	21.0	21.5				Trans. to Kidney Cen. 3rd day. Died in 3 wks. Portal vein thrombosis.
44	Ext. lac. of sm. b., liver, colon.	100/80	1 rh.	15	43	46	57	0.9	4.5	19.0				Trans. to Kidney Cen. 3rd day. Died from peritonitis, 2 wks.
45	Lg. lac. liver, sm. b., kidney, spleen, colon, stomach.	100/70	<30 min.	14	45	17	48	1.4	14.3	9.7	21.0	0.07	0.68	Died 2nd day.