

TABLE 71.—PLASMA AND BLOOD VOLUME CHANGES<sup>1</sup> IN FATAL POSTTRAUMATIC RENAL INSUFFICIENCY

Group A: Patients who Received an Average of 1 Liter or More of Intravenous Fluids (Crystalloid or Colloid) Daily

Case No.	Post-operative Days	Plasma Volume Increase	Plasma Proteins	Hematocrit Value	Blood Volume Change	Blood since Wounding	Plasma since Wounding
		percent	Gm. per 100 cc.	percent	percent	units <sup>2</sup>	units <sup>2</sup>
9	5	.....	7.5	36	.....	2.2	3.3
	6	43.9	6.8	37	21.0	2.2	3.3
26	3	41.5	6.9	38	21.8	4.5	6
47	1	8.7	5.3	33	.....	4.5	2
	3	33.6	4.8	35	8.8	4.5	2
52	2	.....	5.7	36	.....	8	4
	3	60.1	6.2	38	33.5	8	4
55	6	.....	6.4	27	.....	6	6
	7	95.1	6.3	25	37.7	7	6
69	<sup>1</sup> 1	.....	6.8	70	.....	1.5	2
	<sup>2</sup> 2	23.5	6.3	52	13.6	1.5	2
	<sup>3</sup> 5	.....	5.4	47	.....	1.5	2
	<sup>2</sup> 9	23.5	5.1	42	15.8	1.5	2
80	3	.....	6.5	38	.....	8	3
	4	10.7	7.1	38	-5.5	8	3
86	2	26.5	6.0	33	-0.1	8	1
	4	.....	6.2	39	.....	10	1
	6	61.4	6.1	32	25.5	10	1
95	1	.....	6.5	48	.....	10	1
	3	13.4	6.6	40	-1.0	10	5
98	5	33.9	6.6	47	32.7	8	5
105	7	61.0	7.3	39	39.8	3	6
108	1	6.7	5.1	28	.....	11	3
	3	17.7	5.6	40	3.8	13	3
114	6	75.2	5.8	30	31.9	6	1
123	3	52.3	5.8	32	18.6	7	1.3
	6	.....	5.8	29	.....	7.5	1.3
135	2	17.3	6.5	50	22.9	6	0
	4	80.2	7.3	42	63.9	6	0

<sup>1</sup> Percent deviation from the calculated normal plasma or blood volume. Minus signs indicate decreases.

<sup>2</sup> 1 unit of blood = 500 cc.; 1 unit of plasma = 300 cc. total volume.

<sup>3</sup> Days after release from compression in crush injury.