

TABLE 73.—PLASMA AND BLOOD VOLUME CHANGES¹ IN 4 PATIENTS WITH POSTTRAUMATIC RENAL INSUFFICIENCY AND SUBSEQUENT RECOVERY DIURESIS

| Case No. | Post-operative Days | Plasma Volume Increase <i>percent</i> | Plasma Proteins <i>Gm. per 100 cc.</i> | Hemato- crit Value <i>percent</i> | Blood Volume Change <i>percent</i> | Intra- venous Fluids <i>cc.</i> | Oral Fluids <i>cc.</i> | Blood since Wounding <i>units</i> ² | Plasma since Wounding <i>units</i> ² |
|----------|---------------------|--|---|--|---------------------------------------|--|------------------------------|---|--|
| 60 | 0.75 | 30.3 | 6.3 | 25 | -8 | 3,429 | | 5.5 | 10 |
| | 2.5 | 70.1 | 6.5 | 25 | 20 | ³ 1,000 | ³ 1,435 | 7.5 | 10 |
| | 6.5 | 73.5 | 6.4 | 24 | 21 | ³ 625 | ³ 2,386 | 8.5 | 10 |
| | 11.5 | 31.7 | 6.4 | 38.4 | 13 | ³ 600 | ³ 3,952 | 13.5 | 10 |
| 133 | 13 | 44.3 | 7.6 | 40 | 25 | 2,518 | 1,750 | 23 | 10.5 |
| | 16 | 49.8 | 7.4 | 40 | 32 | ³ 1,583 | ³ 1,416 | 24 | 12.5 |
| | 27 | 36.1 | 6.1 | 32 | 5 | | | 26 | 12.5 |
| | 35 | 7.4 | 5.8 | 36 | -12 | | | 26 | 12.5 |
| 138 | 4 | 30.7 | 6.6 | 40 | 16 | ? | ? | 2 | 2 |
| | 5 | 29.7 | 6.0 | 40 | 15 | 0 | ³ 1,525 | 2 | 2 |
| | 10 | 55.6 | 6.6 | 32 | 20 | 1,650 | ³ 1,160 | 2 | 6 |
| | 14 | 11.1 | 8.0 | 40 | -1.9 | 1,000 | ³ 2,326 | 2 | 6 |
| 150 | 12.5 | 27.3 | 6.0 | 34 | 1.7 | 1,000 | ⁴ 3,330 | 9.2 | 4 |

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

² 1 unit of blood = 500 cc.; 1 unit of plasma = 300 cc. total volume.

³ Between determinations.

⁴ Approximately.