

Sulphonephthalein excretion first day after operation 36 per cent.
 Sulphonephthalein excretion second day after operation 40 per cent.
 Sulphonephthalein excretion fourth day after operation 70 per cent.
 Sulphonephthalein excretion fifteenth day after operation 62 per cent.
 Lactose excretion first day after operation 7 hours +.
 Lactose excretion fourth day after operation 5 hours.
 Lactose excretion fifteenth day after operation 5 hours.
 Iodid excretion fifteenth day after operation 24 hours.
 Salt excretion first day after operation .7 per cent. (1.6 gm.).
 Salt excretion fifteenth day after operation .6 per cent. (2.4 gm.).

Albumin present for one day. Hematuria for two days. No casts found after the fourth day. Animal killed the fifteenth day.

RABBIT 3.—Weight 2,600 gm. Weight of removed kidney 9.6 gm. Weight of remaining kidney after death 8 gm.

Sulphonephthalein excretion second day after operation 55 per cent.
 Sulphonephthalein excretion fourth day after operation 70 per cent.
 Sulphonephthalein excretion fifteenth day after operation 80 per cent.
 Sulphonephthalein excretion twentieth day after operation 74 per cent.
 Lactose excretion first day after operation 7 hours.
 Lactose excretion fourth day after operation 5 hours.
 Lactose excretion fourteenth day after operation 7 hours.
 Lactose excretion twentieth day after operation 5 hours.
 Iodid excretion first day after operation 24 hours.
 Iodid excretion fourth day after operation 24 hours.
 Iodid excretion fifteenth day after operation 24 hours.
 Salt excretion third day after operation 1.1 per cent. (2.5 gm.).
 Salt excretion fourteenth day after operation .52 per cent. (2.1 gm.).
 Salt excretion twentieth day after operation .65 per cent. (1.9 gm.).

Albumin present for one day. Hematuria for one day. No casts seen after the third day. Animal killed the thirtieth day.

DOG 1.—Weight 7 kilos. Weight of removed kidney 24 gm.

Sulphonephthalein excretion second day after operation 36 per cent.
 Sulphonephthalein excretion third day after operation 52 per cent.
 Sulphonephthalein excretion fifth day after operation 55 per cent.
 Lactose excretion third day after operation 8 hours.
 Iodid excretion second day after operation 48 hours.
 Salt excretion third day after operation 1 per cent. (1.6 gm.).

Albumin for two days. Casts found on the fifth day. Animal made an uneventful recovery and allowed to live.

IV.—Animal with one kidney removed; renal circulation clamped for forty minutes.

RABBIT 1.—Weight 2,070 gm. Weight of removed kidney 5.7 gm. Weight of remaining kidney after death 7.2 gm.

Sulphonephthalein excretion first day after operation 24 per cent.
 Sulphonephthalein excretion second day after operation 46 per cent.
 Sulphonephthalein excretion third day after operation 50 per cent.
 Sulphonephthalein excretion fourth day after operation 62 per cent.
 Sulphonephthalein excretion eighth day after operation 70 per cent.
 Lactose excretion second day after operation 6 hours.
 Lactose excretion eighth day after operation 6 hours.
 Lactose excretion twelfth day after operation 5 hours.
 Iodid excretion first day after operation 48 hours.
 Salt excretion fourth day after operation 1 per cent. (1.5 gm.).
 Salt excretion tenth day after operation .7 per cent. (1.2 gm.).

Albuminuria for eight days. Hematuria for one day. No casts found after the fourth day. Animal killed on the twelfth day on account of general infection.

RABBIT 2.—Weight 1,600 gm. Weight of removed kidney 4.6 gm. Weight of remaining kidney after death 6.5 gm.

Sulphonephthalein excretion first day after operation 46 per cent.
 Sulphonephthalein excretion second day after operation 47 per cent.