

Salt excretion sixteenth day after operation .53 per cent. (1.3 gm.).

Salt excretion twenty-eighth day after operation .46 per cent. (2.09 gm.).

Albumin present for three days. Hematuria for four days. No casts found after the fifth day. Animal killed the twenty-eighth day.

RABBIT 3.—Weight 2,020 gm. Weight of removed kidney 6.5 gm. Weight of remaining kidney at death 7.00 gm.

Sulphonephthalein excretion first day after operation 55 per cent.

Sulphonephthalein excretion third day after operation 35 per cent.

Sulphonephthalein excretion fifth day after operation 65 per cent.

Sulphonephthalein excretion fifteenth day after operation 64 per cent.

Sulphonephthalein excretion twenty-eighth day after operation 70 per cent.

Lactose excretion first day after operation 7½ hours.

Lactose excretion fifth day after operation 4 hours.

Lactose excretion fifteenth day after operation 4 hours.

Lactose excretion twenty-third day after operation 6 hours.

Iodid excretion first day after operation 24 hours.

Iodid excretion fifth day after operation 24 hours.

Iodid excretion twenty-third day after operation 24 hours.

Salt excretion third day after operation 1.00 per cent. (1.1 gm.).

Salt excretion twelfth day after operation .8 per cent. (2.4 gm.).

Albumin present for three days. Hematuria for one day. No casts found after the sixth day. Animal killed the twenty-eighth day.

Dog 1.—Weight 5 kilos. Weight of the removed kidney 20 gm.

Sulphonephthalein excretion first day after operation 40 per cent.

Sulphonephthalein excretion second day after operation 60 per cent.

Sulphonephthalein excretion fifth day after operation 50 per cent.

Sulphonephthalein excretion ninth day after operation 68 per cent.

Sulphonephthalein excretion twelfth day after operation 60 per cent.

Lactose excretion first day after operation 8 hours +.

Lactose excretion fifth day after operation 8 hours.

Lactose excretion ninth day after operation 5 hours.

Iodid excretion second day after operation 48 hours.

Iodid excretion twelfth day after operation 48 hours.

Salt excretion second day after operation .85 per cent. (3.09 gm.).

Albumin present for one day. No casts found after the second day. The animal was allowed to live, since he had made an apparently normal recovery.

III.—Animals with one kidney removed; renal circulation clamped for thirty minutes.

RABBIT 1.—Weight 1,700 gm. Weight of removed kidney 5 gm. (Approx.) Weight of remaining kidney after death 6.5 gm.

Sulphonephthalein excretion first day after operation 46 per cent.

Sulphonephthalein excretion second day after operation 40 per cent.

Sulphonephthalein excretion fourth day after operation 60 per cent.

Sulphonephthalein excretion thirteenth day after operation 67 per cent.

Sulphonephthalein excretion twenty-eighth day after operation 72 per cent.

Sulphonephthalein excretion thirty-first day after operation 60 per cent.

Lactose excretion first day after operation 6½ hours.

Lactose excretion fourth day after operation 5 hours.

Lactose excretion thirteenth day after operation 5 hours.

Lactose excretion twenty-eighth day after operation 5 hours.

Iodid excretion first day after operation 36 hours.

Iodid excretion fourth day after operation 30 hours.

Iodid excretion thirteenth day after operation 24 hours.

Salt excretion third day after operation 1.3 per cent. (1.7 gm.).

Salt excretion sixth day after operation .8 per cent. (1.4 gm.).

Salt excretion thirty-first day after operation .9 per cent. (1.4 gm.).

Albuminuria for four days. No casts found after the thirteenth day. Animal killed on the thirty-first day.

RABBIT 2.—Weight 2,400 gm. Weight of removed kidney 7.6 gm. Weight of remaining kidney after death 11.5 gm.