

Sulphonephthalein excretion fourth day after operation 64 per cent.
 Sulphonephthalein excretion seventh day after operation 68 per cent.
 Lactose excretion first day after operation 8 hours +.
 Lactose excretion fourth day after operation 8 hours +.
 Lactose excretion seventh day after operation 6 hours.
 Iodid excretion second day after operation 48 hours.
 Salt excretion second day after operation .4 per cent. (.80 gm.)

Albumin present for four days. No casts seen after the fourth day. Animal made an uneventful recovery and allowed to live.

V.—Animals with one kidney removed; renal circulation clamped for one hour.

RABBIT 1.—Weight 1,750 gm. Weight of removed kidney 7 gm. Weight of remaining kidney after death 7.5 gm.

Sulphonephthalein excretion first day after operation 32 per cent.
 Sulphonephthalein excretion third day after operation 35 per cent.
 Lactose excretion second day after operation 8 hours +.
 Iodid excretion second day after operation 2 hours +.
 Salt excretion second day after operation .6 per cent. (.5 gm.)

Albumin and casts found on the third day. Hematuria for one day. Animal found dead on the fourth day. Autopsy showed acute peritonitis.

RABBIT 2.—Weight 2,000 gm. Weight of removed kidney 5.2 gm. Weight of remaining kidney after death 6.5 gm.

Sulphonephthalein excretion first day after operation 7 per cent.
 Lactose excretion second day after operation 8 hours +.
 Salt excretion second day after operation .7 per cent. (.8 gm.)

Albumin, casts and blood in the urine on the third day. Animal found dead.

RABBIT 3.—Weight 1,800 gm. Weight of removed kidney 6.00 gm. Weight of remaining kidney after death 9.00 gm. Animal died anuric in seventy-two hours.

RABBIT 4.—Weight 1,700 gm. Weight of removed kidney 7 gm. Weight of remaining kidney after death 9.5 gm.

Sulphonephthalein excretion first day after operation 9 per cent.
 Sulphonephthalein excretion second day after operation 12 per cent.
 Sulphonephthalein excretion third day after operation 20 per cent.
 Sulphonephthalein excretion sixth day after operation 8 per cent.
 Lactose excretion first day after operation 8 hours +.
 Lactose excretion third day after operation 8 hours +.
 Iodid excretion first day after operation 48 hours.
 Salt excretion third day after operation .8 per cent. (.21 gm.)

Albumin and casts present until death. Animal found dead a few days after last note. Phthalein excreted in traces, lactose markedly delayed.

RABBIT 5.—Weight 1,400 gm. Weight of removed kidney 4 gm. Weight of remaining kidney after death 9.5 gm.

Sulphonephthalein excretion first day after operation traces.
 Sulphonephthalein excretion second day after operation traces.
 Sulphonephthalein excretion third day after operation traces.
 Lactose excretion first day after operation none recovered.

Albumin, blood and casts present until death on the fourth day. During the last twenty-four hours passed 10 c.c. of urine.

VI.—Animals in which the renal circulation has been clamped in one kidney for an hour, the other kidney being left untouched.

RABBIT 1.—Weight 1,650 gm. Weight of unclamped kidney at death 5.00 gm. Weight of clamped kidney at death 5.00 gm.

Sulphonephthalein excretion first day after operation 30 per cent.
 Sulphonephthalein excretion second day after operation 52 per cent.
 Sulphonephthalein excretion sixth day after operation 56 per cent.
 Sulphonephthalein excretion eighth day after operation 75 per cent.
 Sulphonephthalein excretion eighteenth day after operation 60 per cent.