

was not quite so marked. The heart rate was 184 beats per minute. The rectal temperature was 37.2° C.

In four days the cat appeared normal except for a slight polydromic effect. Later certain changes were apparent. The hair on the face was falling out. The hair on the ears had become quite scanty. There was a red coloration on the inner side of both forelegs. The cat began to cry incessantly and lost weight. Eruptions appeared on the skin of the face (6 days after the operation).

Sixty-eight days after the operation, the weight had been reduced from 2.500 kgm. to 2.060 kgm. in spite of its eating well. The rectal temperature was 39.1° C. The hair was very scrappy and unkempt. The cat was irritable, but weaker than normal. It was not so active, largely on account of muscular weakness, because it still appeared restless. The heart rate was normal (240). At this time there was considerable difficulty in micturating. It took several minutes to expel the urine.

Ninety-five days after the operation, the heart was still normal in rate, the temperature still high (39.0° C.) and the weight partly regained (2.350 kgm.). It appeared a little stronger, but still walked with a stiff legged gait. The fur was still in a poor condition, the longer hairs, such as the vibrissae, being broken and scrappy.

The cat died 128 days after the operation. It had been gradually losing weight so that it was reduced to two thirds the original, viz., to 1.750 kgm. The day before death it appeared very much as it had for weeks. (Death was hastened the last two or three days by a marked fall in the room temperature.)

Upon post mortem everything was found well healed. The lumbar vein to the left adrenal was much enlarged. The adrenal weighed 0.426 gm. Lipoids were fairly plentiful in the gland, but did not seem to be entirely confined to the cortex. Some adrenalin was present, as shown by the yellow stain.

The kidney on the same side had been fixed and stained in the same manner as the adrenal. Many of the blood vessels in the outer zone were stained yellow. Scattered here and there tubules and glomeruli were found similarly stained. It appeared that adrenalin brought to the kidney directly from