

As previously reported (*Jour. of the American Med. Assoc.*, 1908, li, 1658), the cat did not survive the functional test (removal of the remaining original kidney) made over a year later.

Results. — Structurally, the engrafted kidney was very fibrous. Histologically, a reminiscence only of normal renal structure remained, it being possible only with care to trace the glomeruli and the beginning of the tubular structures.

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The effect of anemia and of double hyperemia on hyperplastic goitre.

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In a dog showing a bilaterally symmetrical hyperplastic goitre, Dog 16, the following vascular changes were made :

A. Anemia, left side :

1. Ligation of the left common carotid and superior thyroid arteries.

B. Double hyperemia, right side :

1. Ligation of the internal jugular vein below the mouth of the inferior thyroid vein and above the superior thyroid vein (passive hyperemia).

2. Section of the internal jugular vein below the origin of inferior thyroid vein and anastomosis of the distal end to the central end of the left common carotid artery.

Results. — Clinically, on the left side (anemic), no marked change was observed. On the right side (hyperemic), a great temporary swelling followed by a marked decrease in size of the right lobe occurred. Seven months later the left lobe measured 8 by 4.5 by 3 centimeters, and the right lobe measured 5 by 2.5 by 2 centimeters.

Structurally, the right lobe was more fibrous than the left and there appeared to be present a larger proportion of normally staining colloid.