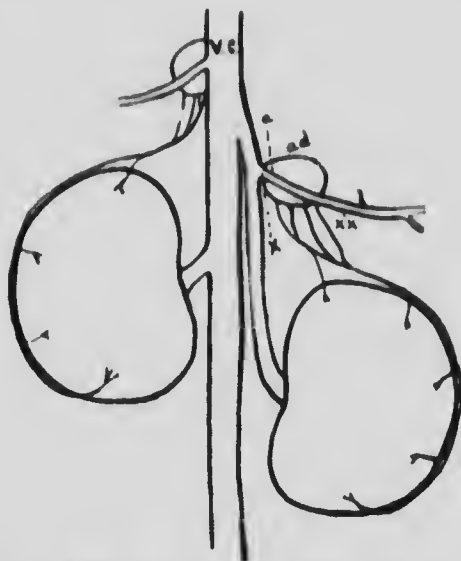


through a rete of vessels connecting the adrenal with the kidney (3) so that occlusion of the adrenal vein does not produce complete stasis of blood in the gland. (See accompanying figure.)



Veins to the adrenal of the cat. The rete of vessels connecting the adrenal with the kidney, after the diagram of Cow.

ad., adrenal.

a., common lumbo-adrenal vein.

l., lumbar vein joining the adrenal vein.

v. c., vena cava.

x., position of ligation.

xx., ligation here in some experiments, in addition to position

This research is a preliminary study of the effects produced by disturbing the blood supply to the adrenals.

Methods

A lumbar vein from the dorsal musculature joins the adrenal vein as the latter leaves the gland (Fig.) so that their blood is carried by a common trunk into the vena cava. In some cases one adrenal was excised. In all of the experiments the common lumbo-adrenal vein was completely tied off (so X in Fig.) central to the adrenal or adrenals left in the body.

Because of the possibility of a back flow through the lumbar vein, this was also tied in a few animals (XX, Fig. All