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Local Thickening of the Vascular System in a Horse.

By M. DE LANGE and C.W. A. BELONJE, Faculty of Veterinary
Science, University of Pretoria.

GELDING 20494, aged, the subject of this note and killed on 27th April, 1933, for dissecting purposes, was found to show the following localised thickenings of the vascular system of the limbs:—

Left Fore Limb. Arterial System: There was a striking increase in the thickness of the wall of the *A. mediana* immediately distal to the origin of the *A. interossea communis*. This continued along the *A. digitalis communis*, but became less marked along the *Aa. digitales medialis et lateralis*, and eventually disappeared. *Venous System:* Commencing at the proximal interphalangeal joint, there was a slight increase in the walls of the *Vv. digitales medialis et lateralis*. This was manifest in the upward direction as far as the *V. cephalica brachii*, but in the region of the *V. cephalica antibrachii*, the thickening of the wall reached its maximum and appeared artery-like.

Right Fore Limb. Arterial System: Here the thickening of the wall was evident proximal to the elbow joint, i.e. it involved the *A. brachialis*, and this was continued as far distal as the metacarpophalangeal joint. It was, however, most emphasised from the vicinity of the proximal third of the radius to the carpus, i.e. the *A. mediana*. *Venous System:* Here the extent of thickening resembled that of the left fore limb, but in addition the *Vv. medianae* were also involved (to a slighter degree) in the distal third of its extent.

Left Hind Limb. Arterial System: Only the *A. metatarsa lateralis dorsalis* appeared somewhat thicker than normal. *Venous System:* The following veins showed some thickening of the wall along their extent:—(1) *V. metatarsa plantaris profunda medialis* from about 10 cm. proximal to the *Arcus venosus plantaris distalis*; (2) *V. metatarsa plantaris superficialis lateralis*; (3) *V. recurrens tibialis*; (4) *V. tibialis anterior* (only superficial trunk); and (5) *V. saphena*. Of the above, the *V. saphena* showed both above the

hook and below the hook (when still the *V. metatarsa dorsalis medialis*) two localised areas of marked thickening of the wall, as did the *V. recurrens tibialis*. A thrombus consisting of fibrous tissue occluded the lumen of the more superficial of the two *V. tibialis anterior*.

Microscopically no pathological condition existed, both Dr. A. D. Thomas and Mr. C. Jackson being of the opinion that the thickening appeared to be due to a physical condition taking place subsequent to death.

The accompanying figure illustrates a section of the *A. melana* (right limb) taken just at the elbow joint. Magn. 15 \times .

