4) The precipitation experiment showed that the soluble tumor antigen was precipitable in more than 33 % saturated $(NH_4)_2SO_4$.

5) The molecular weight of the SoDOC soluble tumor antigen, estimated by SDS-polyacrylamide gel electrophoresis, was about 80,000 ± 10,000 dalton.

EXPERIMENTAL STUDIES ON LYMPHOGRAPHY IN DOGS ON LYMPHOGRAPHIC FINDINGS OF OILY CONTRAST MEDIUM INJECTED INTO THE PELVIC LIMBS OF DOGS

Fumio TACHIBANA

Department of Veterinary Surgery
Faculty of Veterinary Medicine
Hokkaido University, Sapporo 060, Japan

This study was undertaken to observe the pictures of the lymph system in canine lymphography of the pelvic limbs. For this purpose experiments were carried out using 34 healthy adult dogs. Lipiodol Ultra-Fluide and Myodil were injected into the lymphatic vessel in the pelvic limbs.

The results of the lymphograms were as follows:

1) On the opaque faculty the lymphograms with 0.2 ml/kg and 0.4 ml/kg of Lipiodol Ultra-Fluide were better than those with 0.2 ml/kg of Myodil. However, on the opaque area the difference in both was not noticed.

2) In the pulmonary embolism the greater the administration dose of the contrast medium was increased, the more the incidence was increased. The pulmonary embolism was shown in all of animals with 0.4 ml/kg of Lipiodol Ultra-Fluide. The incidence of the pulmonary embolism was higher in the group with 0.2 ml/kg of Myodil than in the group with 0.2 ml/kg of Lipiodol Ultra-Fluide.

3) By the contrast medium injected into the lymphatic vessel in the pelvic limbs, popliteal lymph nodes, lateral iliac lymph nodes, medial iliac lymph nodes, sacral lymph nodes, deep inguinal lymph nodes, lumbar aortic lymph nodes, and cranial mediastinal lymph nodes were visible.

4) By the incidence of lymph nodes in the lymphogram, the pictures of the canine lymph system were classified into three types. But it was found that the courses of the lymphatic vessels were all different.