

Epoch-making collaboration between medical and veterinary doctors; the members of Japanese East Chapter of the ISEM

Japanese East Chapter of the ISEM
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For veterinary surgeons, microsurgery is important skill for fine and safety operation against illness of companion animals. However, the fact is that there are a few educational venues available in Japan. From the animal ethical point of view, on-going refined technique developed by the use of experimental animals also should be reflected towards companion animals which suffer from somewhat incurable diseases.

Recently, the prevalence of cancer in animals has been continuously increasing. Companion animals diagnosed as cancer could provide excellent opportunities for veterinarians to study various aspects of cancers from etiology to treatment.

Providing these studies were undertaken in a humanistic methodology, they might unlock clues to improve the outlook for cancers in both animals and humans. Some of the aspects of animal cancer can provide attractive and comparative models as follows:

- 1, Companion dogs and cats are genetically outbred (like human) as opposed to some strains of rats, mice and other experimental animals.
- 2, Most of cancers found in animals tend to grow more rapidly than the ones of human. This could lead to rapid outcomes of endpoints such as time for metastasis, local recurrence, and survival.
- 3, Companion animal cancers are more akin to human cancers as for rodent tumors in terms of patient size and cell kinetics. Dogs and cats

also share similar characteristics of physiology and metabolism for most organ systems and drugs compared to those of humans. Such corresponding factors allow better comparison of treatment modalities such as surgery, radiation therapy and chemotherapy.

We believe treating companion animals as human models would help not only human medicine but also oncology treatment.

Considering the bridging these demands with young, next generation veterinarians and beyond, it would be high time for us to start several activities coping with Prof Eiji Kobayashi (Keio University School of Medicine), Educational Board Member of International Society for Experimental Microsurgery.



Our activity plans are as below:

1. Monthly Training Session

We will use dry lab models in basic skills. 10 training sessions are held annually in which we help progress the skills and competencies of participants.

2. The official diploma for the Microsurgery course will be given to the participants who have attended more than 8 sessions in a year by the President of the ISEM.

3. Motive to be a member of the ISEM

The young members of veterinary surgeons will be given a chance to present their works at the ISEM Congress 2016 in China.

4. Donations for Shelter Animals are always welcome from the participants because all the work to organize the above training sessions are voluntarily elaborated by the current members of Japanese East Chapter of the ISEM.

We hope that our veterinary activities would spread on a global scale and facilitate further cooperation with Medical doctors.

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