



The Summary of ISEM Japan Chapter, East Branch Activities 2014

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Introduction

With the purpose of conveying experimental microsurgical techniques and general knowledge to veterinary doctors, the author has initiated the training course in collaboration with Drs. Kaoru Endo and Hiroshi Ishii (the owners of veterinary clinics in Utsunomiya, Tochigi Prefecture and Tokyo respectively). Before starting the course, we have discussed about the achievable objectives so that the participants can step up with their skills and experiences. The following principles have been put forward before starting up;

1. We will use dry lab models in basic skills. **10 sessions** will be held while we help progress the skills of competent participants.
2. More than 80% of attendance out of 10 sessions, the young veterinary surgeons will receive the **Certificate of Completion** for a year.
3. Recommendation to be a **member of ISEM**

This is a volunteer work. We'd like to donate some money for **Shelter Animals**.

Session Details (in chronological order)



*First session held on May 21st, 2014

1st session on May 21st 2014

“Opening briefing” by Prof. Kobayashi, Project Professor, Department of Organ Fabrication, Keio University School of Medicine



“Outline of microsurgery” by D.V.M. Ph.D. Satomi Iwai, Senior Assistant Professor, Laboratory of Small Animal Surgery 2, Kitasato University School of Veterinary Medicine

2nd session on June 18th 2014

“Welcome message” was given by the Prof. Keiichi Fukuda, Department of Cardiovascular Medicine, Keio University School of Medicine.



“Creation of live blood vessels in 3D printer” by Prof. Koichi Nakayama, Department of Advanced Fusion Engineering, Saga University Graduate School of Engineering Studies

3rd session on July 23rd 2014

“The outcome reports from the 2nd session workshop”



ISEM EAST CHAPTER 2014
(The 3rd Meeting, 23 July 2014, Tokyo)

Using Magnifying Glass, let's skill up
surgical procedure in Microsurgery !



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4th session on September 17th 2014

“Ophthalmology” by Prof. Akihiko Kakehashi, Saitama Medical Center, Jichi Medical University



ISEM EAST CHAPTER 2014
(The 4th Meeting, 17 Sep 2014, Tokyo)



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5th session on October 29th 2014

The heartwarming and encouraging video message in English was given to the participants by the 9th president of ISEM, Prof. Corradino Campisi, Chirurgia dei Linfatici Ospedale San Martino Genova, ITALY.

“Breast Surgery” by Prof. Hiroyuki Takei, Department of Breast Surgery, Nippon Medical School



6th session on November 26th 2014

The professor emeritus Masumi Nozawa, the first president of ISEM kindly introduced the history of ISEM to the participants.

“Digestive Organ Cancer” by Prof. Hirokazu Kiyosaki, Department of Surgery, Saitama Medical Center, Jichi Medical University



7th session on December 18th 2014

Workshop and Year-end Party



8th session on January 28th 2015

“Orthopedic Surgery and Microsurgery in general” by D.V.M. Kaoru Endo, the owner of Endo Animal Hospital in Utsunomiya, Tochigi

9th session on February 25th 2015

“The Importance of Microsurgery in Urologic Surgery” by D.V.M. Ph.D. Satomi Iwai, Senior Assistant Professor, Laboratory of Small Animal Surgery 2, Kitasato University School of Veterinary Medicine

10th session on March 25th 2015

“Summary” by Prof. Kobayashi, Project Professor, Department of Organ Fabrication, Keio University School of Medicine

Although I have not worked with FTY720 and its analogues I have followed the literature and it seems to be a powerful immunosuppressant and is now being studied actively in trials of patients with MS. so far the observations have been encouraging. Side effects especially on the heart and macular oedema were a worry to Novartis.

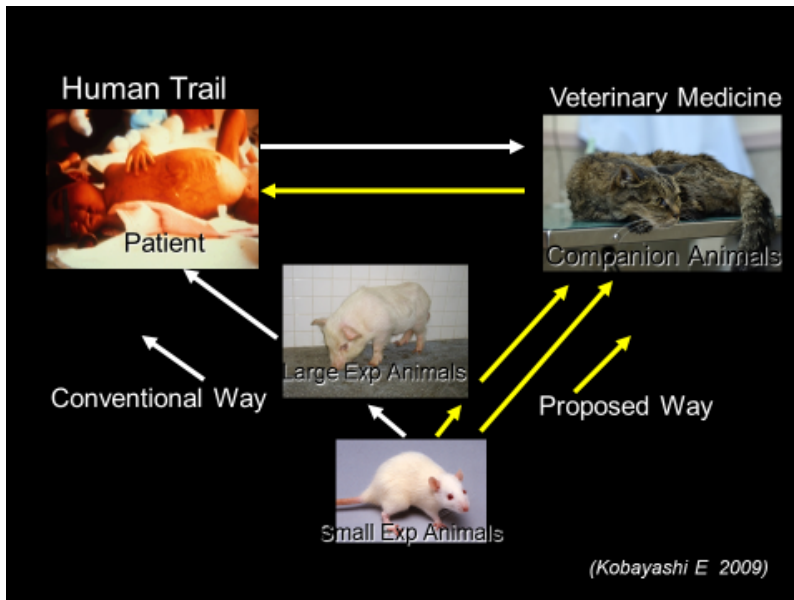
The Keio studies have been extensive and the micro-surgical techniques they have developed successfully are very important covering besides skin; small bowel, heart and kidney transplants. No doubt Professor Kobayashi is continuing working in this area with a view to discovering and developing new lymphocyte sequestering compounds with greater efficacy and safety.

I wish him success since the work is based on great experience and excellent experimental models.



Roy Calne

A Proposed Concept of Two-Way Approach

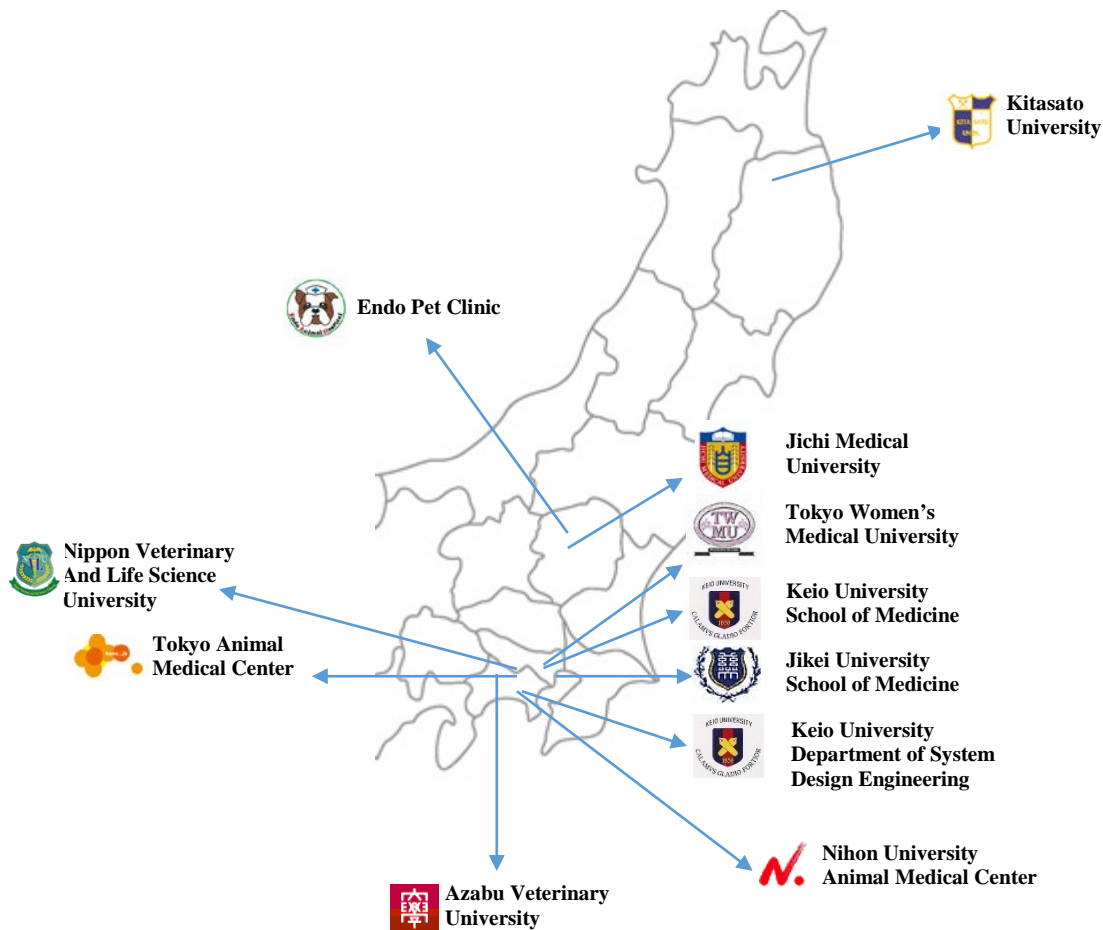


It seems illogical to benefit human patient from experimental animals for the development of drugs effective for human only. The vice versa should exist not only for human but for animal therapy. It is very logical and beneficial for both that the drug development through the usage of experimental animals leads to saving lives of both human and companion animals. In order to achieve the objectives it will be indispensable to give a birth to super veterinarians who learn human medical science from doctors especially on microsurgery.



*The scene of workshop for microsurgery lectured by medical surgeons

Locations of Collaborative Lecturers and Organizations across Eastern Japan



1. The location of training sessions has been at Keio University School of Medicine
2. The master clinics for the training are Endo Pet Clinic in Tochigi Prefecture and Tokyo Animal Medical Center
3. The lecturers are from Kitasato University, Jichi Medical University, Nippon Veterinary and Life Science University.
4. The academic alliance universities are Tokyo Women's Medical University, Jikei University, Nihon University and Keio University Department of System Design Engineering

Closing remarks

One of the important objectives for veterinarians to learn microsurgery is to widen the scope of skills for clinical practices and expertise. As the time for workshop has been limited, most of the participants were in need for practicing by themselves the learning from the sessions at home or workplaces. Fortunately 16 participants (all veterinarians) have acquired the Certificate of Completion at the last session taken place on March 25th, 2015.