

This report should be submitted within 2 weeks after you return to Japan. Please do not change the formatting

(Abroad • Domestic) Internship report form (Student)

2022/11/09 (Year/Month/Day)

Name	Thandar Oo
Laboratory	Veterinary Internal Medicine
Year (Grade)	DC4
Internship institution	School of Veterinary Medicine, Department of Veterinary Medicine, Rakuno-Gaguen University (RGU) Animal Medical Center, Bunkyo-daimaidorimachi, Ebetsu, Hokkaido 069-8501
Internship period	Internship period: 10/17/2022 - 21/10/2022 (Departure Date from Sapporo: MM/DD/YYYY, Arrival Date in Sapporo: MM/DD/YYYY)
Purpose	<ul style="list-style-type: none"> <li>- To explore clinical experiences and institutional research skills required for small animal practitioners</li> <li>- To develop my transferable skills such as collaboration, leadership, professional communication skills and building the intellectual self-confident skills</li> <li>- To build the professional network specially between Rakuno-Gaguen University, School of Veterinary Medicine and my host university (University of Veterinary Science)</li> </ul>

### The reason I chose RGU-Animal Medical Center, Japan.

Rakuno-Gaguen University (RGU) is one of the well-known universities with its specialty on veterinary medicine in Japan. Since I am a student who is conducting the clinical research, I always eager to visit the clinics and veterinary hospitals to touch more clinical stories.



The RGU-Animal Medical Center is active in numerous research areas and regularly provides medical care to the small animal unit in Ebetsu. Hence, I considered that an experience at RGU-animal medical center may give a touch-up to my academic credentials and provide outstanding opportunities to apply current clinical skills and learn the necessary abilities required to stand in my career path.

## **My Internship Activities at RGU-Animal Medical Center, Japan.**

(about 800 words, provide photos, tables and figures that clearly show the activities during the period)

RGU animal medical center is mainly organized with eight different units; internal medicine, orthopedic surgery, oncology/soft tissue surgery, cardiology, neurology, rehabilitation, diagnostic imaging and anesthesiology unit. While I was in RGU-animal medical center, I was hosted by Dr. Ohta (Internal medicine unit) and I actively participated in clinical practice that are detailed in the following paragraphs. My daily activities during visit to RGU-animal medical center were: (i) Attending to the Morning Clinical Seminar, (ii) Participating in Clinical works, and (iii) Discussing the cases for their new treatment and diagnostic methods by reading the updated textbooks and scientific papers.

### **(i) Attending to the Morning Clinical Seminar**

While I was doing my internship at RGU-animal medical center, we had the morning clinical seminar which usually starts at 9 AM. During the morning clinical seminar, instructor veterinarian generally presents the whole clinical story of new visited cases at the hospital. After that, we; students get the opportunities to ask questions and address any issues what we would like to clear about the clinical cases with the representative veterinarians, and professors.



*Morning Clinical Seminar at RGU*

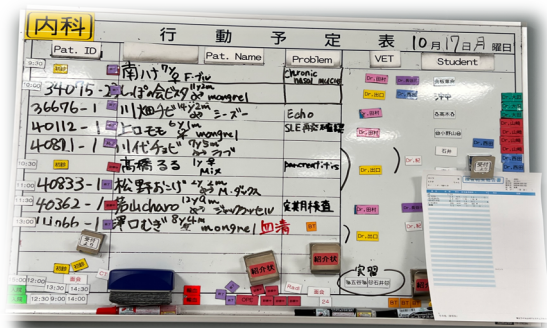
*Left row: Professors and Lecturer, Right row: Resident Drs. and Online: Students*

### **(ii) Participating in Clinical works**

We began the clinical rounds at around 9:30-10:00 AM after the morning session. The RGU-Animal Medical Center also uses the **SOAP** protocol. The owners are first questioned by the veterinarian and students about the subjective assessments of the illnesses, such as the history, home doctor reports, and their prior treatments. The patient is then taken into the physical examination section

for the Objective components, where we do a clinical examination and take blood samples. Following that, we create the Assessment components related to the scenarios based on their findings. Finally, we construct the Plan's components to confirm the disease diagnosis and therapeutic strategy.

For the subjective aspects of the cases, I had to consult the veterinarian and students during my visit. I may also check the information board or Ahmics (the medical software in the hospital uses for clinical notes). I practiced clinical examinations, blood collections, and other clinical tasks for the objective components while being instructed by academicians and attending resident doctors. Depending on the requirements, patients were then sent to the imaging department for X-rays, ultrasounds, or advanced diagnostic techniques. Following those steps, we discussed, made the assessment and plan by interpreting the findings of history, clinical examinations, blood and biochemistry results, urinalysis and imaging results. Moreover, during my internships, there was special cases to perform advanced diagnostic techniques such as computed tomography, magnetic resonance imaging and endoscopy. I therefore got a superb opportunity to participate in advanced diagnostic techniques.



*Information board of the clinical cases*



*Measuring the Ocular pressure*



*Measuring the Systemic Blood Pressure*



*Blood collection from  
Jugular vein of the Cat*

During my internship, I got the experience to tackle a variety of clinical diseases in dogs and cats including cardiology, hepatology, gastroenterology, neurology, endocrinology and oncology diseases. The diseases that I experienced were cats with extrahepatic biliary obstruction (EHBO), chronic kidney disease, mast cell tumor and pancreatitis suspected with feline infectious peritonitis virus infection or lymphoma and dogs with chronic hepatitis, hyperadrenocorticism, immune mediated hemolytic anemia (IMHA), Fanconi syndrome, protein losing enteropathy, myxomatous mitral valve disease, portosystemic shunt, sinus sick syndrome, atlantoaxial subluxation, peripheral nerve cell tumor, hepatic tumors and vascular sarcoma. Furthermore, I also had the chance to join the medication to the hospitalized cats which were suffering from pancreatitis, chronic kidney disease and dogs with brain or hepatic tumors for their post operative care. Additionally, I had the opportunity to learn intensive therapy and care to the dog with IMHA which suffering disseminated intravascular coagulopathy (DIC).



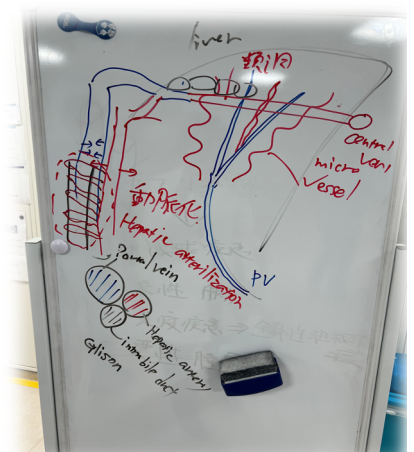
*Intensive treatment to dog with IMHA*



*Room for the hospitalized dogs & cats*

### **(iii) Clinical/Scientific Discussion**

The clinical work was mostly finished between 3:00 and 5:00 pm, and we then had a free and open discussion about new therapies, methods of diagnosis, or diagnostic biomarkers applied to small animal clinical diseases. When necessary, Sensei used diagrams to clarify concepts or guided us in understanding them by reading internal medicine textbook or recent published papers which were released by the canine and feline specialist groups such as ACVIM consensus statement or ISFM or BSAVA or AAHA.



*Hepatic Vasculature to Explain PSS*

## **Other activities**

I had a chance of get to know and connect with young researchers, veterinary students, nursing students and also the doctors from large animal clinical practice at RGU-Animal Medical Center. A lot of the friendly connections I made and intending to develop potential collaboration for clinical practice and research projects in the future.

The last but not least, Dr. Ohta introduced me to a clinical skill center and laboratory facilities which are aided for preclinical training of various clinical skills in small and large animal practices without using live animals. He sincerely hoped my host veterinary school would be established such kind of facilities in near future.



*Human Disease model for US practice*



*Blood smear practice at Clinical skill lab*

## **Positive Impact on my career path**

I had the chance to use my clinical expertise and enhance new abilities throughout my internship. Working in a different environment taught me more about my strengths and weaknesses to considerate. Sharing information about my studies and discussing about other clinical interests, it is very motivated in my perspective. This internship assisted me in developing clinical skills by learning from the different professionals in small animal practice. My transferable skills such as collaboration, leadership, professional communication skills and building the intellectual self-confident skills were also fulfilled in RGU-University.

The last important thing, I also sought the opportunity to apply the Rakuno Gakuen University International Guest Researcher Program in near

future. The program aims to promote international academic collaboration and enable the growth of both research and education. My host university is one of its partnership institutions. Hence, Dr.Ohta warmly welcomed me to join his laboratory and animal medical center by applying that program. I sincerely hope that my host university will soon permit to create academic collaborations between two universities.

### **Advice for your junior fellows**

I would like to advise you to be optimist and be positive. Be well prepared to your plan, all good things will be happened from your efforts. And try your best even if the situation was different from your expectation or plan. Local internship provides optimum satisfaction. Every minute of the internship period is used judiciously because there is no time to spare on adaptation. It is less difficult and demanding application processes especially during the time travelling with Covid-19. Compared to an internship overseas, the likelihood of cancellation is low in local internship.

Approval of supervisor	Institution • Official title • Name Laboratory of Veterinary Internal Medicine. Professor. Misuyoshi TAKIGUCHI
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- ※1 Send the electronic file to the WISE Program Office
- ※2 Attach a copy certificate of the content of internship activity that is prepared by the counterpart at the internship institution (any form with a signature of the counterpart).
- ※3 The Steering Committee for the WISE Program will first confirm the content of this report and report will be forwarded to the Educational Affairs Committee for credits evaluation.