



Weekly Report Rakuno Gakuen University Name Sota Tomisawa

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Sept 9 (Sat)	Arrived at Suvarnabhumi Airport in the evening. Felt high temperature and humidity at that moment when got off the airplane. Dr. Tanu took us shopping mole to buy SIM card and the necessity of life. Our apartment is so clean and comfortable for us. This is the first time when live without my parents. would like to enjoy this free time and time in Thailand.
Sept 10 (Sun)	In the morning, some student of Kasetsart univ, who will go to Japan to study as a AMES project agent, show us facility of KU and around there. They took us a restaurant to eat a lunch. There are so many stalls. But at the beginning of this program, should avoid to eat street food and so hot and spicy food. In the evening, some friends, from Khon Kaen univ, who came RGU to study, took us Japanese restaurant in Bangkok and enjoyed dinner together.



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Sept 11 (Mon)	Our program that we have studied epidemiology for 2 weeks started. At first, tried Case studies about control for rabies and relationships between human and monkeys. Dr Suporn who is in charge of our epidemiology classes, demanded us more information about how to research and explain more detail ,more objectively. Thought we have to study harder than we expect in RGU while we stay in Thailand.
Sept 12 (Tue)	In today and tomorrow study basic statistics. Today studied central value and some tests of statistics ,especially testing of statistical hypothesis. It was difficult for us to understand it in English, even if that is difficult in Japanese. But I have felt that my understanding of statistics is getting most deeply in my life. I thought it is important for us to review for getting better understanding.
Sept 13 (Wed)	Today we also study statistics too. Today's main theme is test of statistics. There are several types of it. Type of statistic test is determined by combination between categorized value and continuous value. This is the first time when I keep studying about statistics and epidemiology intensively. In the evening, my Thailand friend who studied in RGU took me and my friends restaurant. I enjoyed meeting him again.
Sept 14 (Thu)	In the morning, studied how to determine sample size and collect data. In the afternoon, prepared our field survey on next Tuesday and Wednesday. Felt it difficult to make a concrete survey plan from scratch because this is the first time for me to do that. Our group will research relationship between people and monkeys in a area.
Sept 15 (Fri)	Went to Suvarnabhumi Airport to study quarantine by observation. In this morning, studied quarantine for animals and carcass and procedure of import, export, transit. This afternoon, studied quarantine for baggage of tourists and sniffer dogs. Realized again the importance of quarantine and the thorough quarantine system in Japan.
Sept 16 (Sat)	No training



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Sept 17 (Sun)	No training
Sept 18 (Mon)	Discussed a concept of our epidemiological survey during a whole day. The theme of our group became “Prevalence of Salmonella in feces of pig-tailed macaques in Mt,Erawan”. It was difficult to think about what we need to prove anything, and to find out a proper information or references to help our opinion.
Sept 19 (Tue)	Went to Mt,Erawan in lopburi province for a field survey. There are so many monkeys called pig tail monkey there. Met officers of environmental protection center and he showed us video about monkey and around office to explain their works. Then, we collected monkey’s feces as a sample with Dr.Ponchai and Dr.Suporn around the office and a near temple.
Sept 20 (Wed)	In the morning, discuss a concept and structure of our theme with Dr.Ponchai and Dr.Suporn. After the lunch, went to the urban area of Lopburi. Could see difference species monkey from one living in Mt,Erawan. It is called long tail monkey. So many monkeys live there and all window is covered by fence to protect monkeys enter into buildings.
Sept 21 (Thu)	Prepared our presentation for Friday during a whole day. But we could not finish it when the date had changed...
Sept 22 (Fri)	Presented our epidemiology survey, there are many mistakes and points that don’t have enough evidence. So Dr.Suporn asked us many questions. Have to submit completely it within 2weeks, referring many comment and advice from my friends, Dr.Suporn and Dr.Suwicha. Epidemiology class is so different from it in japan. It is practical and difficult for me. But this chance is important for me.
Sept 23 (Sat)	No training



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Sept 24 (Sun)	Migrated to Hua Hin
Sept 25 (Mon)	In this week, we learned at Veterinary Teaching Hospital in Hua Hin. Participated in surgical department at 1st and 2nd days. Could join surgical operation as an assistant and sutured wound. Veterinarians in this hospital are so kind and thanks to their explanation step by step, we could understand most of all, instead of lacking technical terms in English. A veterinary student came here from Gadjah Mada University in Indonesia to study surgery.
Sept 26 (Tue)	Yesterday, many cases of cancer came to hospital, but today's cases were almost orthopedic surgery. Dr. Pon taught us how to fix bones by pin using model of bone. Before operation, Dr. Tang taught us about ophthalmology. At the night, Dr. Pon and Dr. Off taught us anatomy and tips of suture by using carcasses. Other veterinarians also participated in this night class and we can spend wonderful time with them.
Sept 27 (Wed)	At 3rd and 4th day, participated out patient department (OPD). Followed Dr. Kate. Today was busy because tomorrow the hospital is closed. I watched many cases which we cannot meet in Japan. I'm surprised that many overseas people come to this hospital. At the night, we enjoyed dinner with doctors.
Sept 28 (Thu)	No training (because hospital is close.)
Sept 29 (Fri)	Today, Followed Dr. Knee. Cases I saw today are vaccination, ectoparasitic infestation, fluid therapy because of chronic renal failure, a cat hit by train, a bird which has leg necrosis because identification ring was too tight. Consultation hours on Friday is only morning hours so afternoon we joined presentation of treatment for rabbit and internal secretion.



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Sept 30 (Sat)	Migrated to Bangkok.
Oct 1 (Sun)	No training
Oct 2 (Mon)	Learned how to read results of blood examination and how to diagnosis thought a case study. In this case, focused relations between anemia and internal organs. After case study, practiced making blood smear in a laboratory with clinical technologist and observed it through a microscope.
Oct 3 (Tue)	Joined autopsies. One case is a body which died of pneumonia and cardiomyopathy, the other case is a body to which euthanasia was applied because of spinal cord injury. It was first time for me to join autopsy of companion animal. Afternoon, Dr.Golf explained us the details and mechanism of why they became dead.
Oct 4 (Wed)	Learned neurology from the method of examinations to typical symptoms of some diseases. Afternoon, discussed about some cases, for example Alzheimer and brain tumor. The class was hard for me because I haven't memorized technical terms of neurology.
Oct 5 (Thu)	In the morning, learned Problem Oriented Medical Record (POMR). Discussed the procedure how to diagnosis problems of animals. Felt that very difficult, because had cases of exotic animals (Rabbits). Had never studied about them. In the afternoon, discussed cases of swine and learned the present situation of pig farming in Thailand.
Oct 6 (Fri)	Learned a case of equine. Dr.Kanita kindly explained about physiology and anatomy of horse from the beginning. It was good to discuss a case with POMR method. Had class only in the morning, but the day was deadline of epidemiology report ,so in the afternoon, was writing it with our group members.



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Oct 7 (Sat)	No, training
Oct 8 (Sun)	No, training
Oct 9 (Mon)	We had classes with Thai students in this week. Discussed a case in a pig farm by Problem Based Learning. I'm surprised that all of Thai students can speak English very well and they have more information about pig diseases than us, at the same time, I feel that information I have is not enough to discuss and understand this case. So I was busy to google a lot of information in the class.
Oct 10 (Tue)	In the morning, discuss a continuation of yesterday's case especially results of serological examination and autopsy. In the afternoon, we did PCR and electrophoresis to detect PCV2. We can help them to do that only the time, because Thai student did them for the first time in three years. We had a lot of waiting time, so enjoyed talking with Thai students.
Oct 11 (Wed)	Discussed a case of a old Siamese cat. The cat showed up with clinical signs including depress, loss of appetite and abdominal distension. At first, listed up all of suspected diseases by DAMNITV, and then ruled out any diseases that didn't meet all of clinical signs. Then, made a hypothesis, and suggested some examination that can prove the hypothesis.
Oct 12 (Thu)	Yesterday, we decided a hypothesis: the disease came from FIPV. So we discussed how to prove the hypothesis and definite diagnosis in the morning. In the afternoon, practiced RT-PCR with sample to find FIPV. We had to submit our report about procedures from making problem list to definite diagnosis.
Oct 13 (Fri)	No, training(National holiday in Thailand.)



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Oct 14 (Sat)	No, training
Oct 15 (Sun)	Migrated to Hua Hin
Oct 16 (Mon)	Joined surgical operation in Hua Hin animal hospital again. In the morning, studied about CT and MRI. Understood what is the difference between T1, T2, and FLAIR image and how to read them. Saw two mass cases and a pyometra case. At the evening, saw Meningioma case from 19 o'clock..
Oct 17 (Tue)	In the morning, watched neurological surgery. Removed meningioma from front of brain. It took 4 hours. In the afternoon, watched flap surgery to close a hole at nose.
Oct 18 (Wed)	Observed operation for oblique fracture and complicated fracture. In the afternoon, don't have any case. Attended a presentation of intern students from Gadjah Mada University (but they are from Malaysia). We talked about culture and situations of veterinarian in each country.
Oct 19 (Thu)	Joined OPD from today for two days. Followed Dr. Pun. Today was not busy. Studied how to check urinary organs by ultrasonic thought prostatitis case and spinal born by X-ray thought degenerative myelopathy.
Oct 20 (Fri)	Followed Dr. Ham. Did symptomatic treatment for kitten co-infected. Study follow up treatment for dog that have IMHA and urethral catheter for dog with problems in urination. In the evening, we went to beach and ate dinner with Dr. Pon, Dr. Best, Dr. Off. After dinner, took pictures in the hospital with them.



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Oct 21 (Sat)	Migrated to Kamphangsae.
Oct 22 (Sun)	No, training
Oct 23 (Sun) Chulalongkorn Memorial Day	No, training
Oct 24 (Tue)	No, training
Oct 25 (Wed)	No, training
Oct 26 (Thu)	No, training
Oct 27 (Fri)	No, training



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Oct 28 (Sat)	No, training
Oct 29 (Sun)	No, training
Oct 30 (Mon)	I studied with Thai students for 6weeks from today. We studied exotic animal and wild animal in this week. Moved to Bangkhen animal hospital to see exotic cases. Studied normal condition of rabbit to compare between normal and abnormal case.
Oct 31 (Tue)	Left from Kamphangsaen at 6 AM to Bangkhen animal hospital. We did history taking and palpation for chicken case practically and tried to make diagnosis following POMR. Went back Kamphangsaen, discussed the case and made presentation about it for tomorrow.
Nov 1 (Wed)	Discussed three cases (hamster, chicken and hedgehog). It was difficult for me to understand them because I didn't understand their character of anatomy and physiology. But logical thinking following POMR was important for us because the way to a diagnosis is same whenever species.
Nov 2 (Thu)	Went to Salakpra wildlife sanctuary to study conservation project for wild animal, especially Banteng. Stuffs do some things to increase the number of Banteng and release them to forest. Tried to go deep inside of forest to see wild Banteng, but we can't because of bad road condition.
Nov 3 (Fri)	Discussed a role of veterinarian for conservation of wild life and environmental and mass death of wild animal caused by human activity. In the afternoon, tried to do risk assessment about releasing Banteng to forest.



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Nov 4 (Sat)	No training
Nov 5 (Sun)	No training
Nov 6 (Mon)	Moved to Nongpho in the morning. Visited farms with doctor and Thai students as mobile unit. Today's case was blood sampling of young goats to check them and treatment for cow chronic mastitis case.
Nov 7 (Tue)	Visit four farms for hoof cutting. Doctor explained me how to hoof cutting, problem of each farms and about Thai style farm. I did rectal palpation but I couldn't feel nothing today.
Nov 8 (Wed)	Went to some farms to see a cow stopping estrus and to give advices about improving milk quality. I did rectal palpation but I couldn't feel nothing too. Saw a abomasal displacement and listened typical ping sound at right side intercostal.
Nov 9 (Thu)	In the morning, saw a case of goat that the goat cannot stand and walking. So took x-ray of it, and found out cervical spine fracture. In the afternoon went some farms to check pregnancy of cow. Prepared tomorrow's presentation.
Nov 10 (Fri)	Presented two cases, one case is limb paralysis of a goat caused by subluxation of C6-T1, and another is right displaced abomasum and abomasal volvulus. I felt that I was getting used to following POMR.



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Nov 11 (Sat)	No training
Nov 12 (Sun)	No training
Nov 13 (Mon)	Studied in horse unit in this week. Listened to guidance about horse facility and basic procedure of diagnosis in the morning. After lunch, went to demonstration farm to practice handling, doing physical examination, and injecting (iv and im) for horse. Felt that Listening and evaluating gut sound was difficult.
Nov 14 (Tue)	Had many cases. Could remember normal range of heart rate, respiratory rate, gut sound and so on before tried to do physical examination many time. Saw treatment for fungal granulomatosis at hock joint and suspected infection of Trypanosoma, treatment for laminitis.
Nov 15 (Wed)	Studied the way to evaluate condition of intestine. Discussed the way to read hematology information with a Trypanosoma infection case. Saw draft horse that was high fever. It was difficult to cool it and give it a drop.
Nov 16 (Thu)	Saw an autopsy of horse. The case was suspected by intestinal perforation. Before autopsy, ascites and peritoneal inflammation was suspected by ultrasound and rectal palpation. Identify the perforation point confirming anatomy in abdominal cavity of horse.
Nov 17 (Fri)	Studied the diagnosis of pregnancy in horse with ultrasound and the way to evaluate hardness and edema score of uterus by rectal palpation. In the afternoon, discussed case studies of reproduction disorder. Got some information of reproduction of horse.



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Nov 18 (Sat)	No training
Nov 19 (Sun)	No training
Nov 20 (Mon)	Draft horse that have hospitalized since last week became unable to stand up. After all, the horse died around 1 PM. Saw autopsy of it in the afternoon. Saw a case of brain trauma. we should do euthanasia for it, but will take MRI of its cranial part for study tomorrow.
Nov 21 (Tue)	Visited Royal Horse Guard Riding Club in Bangkok to see Princess's cup (obstacle race of horse). Studied quarantine system and the way to evaluate locomotion score in horse. It was first time for me to see it and I was surprised that three Japanese high school students attend this event.
Nov 22 (Wed)	Had lecture about how to collect CSF. Prepared to tomorrow's presentation in a whole day. The content of our presentation was a encephalomyelitis case suspected from Japanese Encephalitis or Equine herpesvirus.
Nov 23 (Thu)	Participated in ICVS at Bangkok. Listened a lecture about veterinary clinical acupuncture for horse. Have seen some Thai people who stayed RGU as a exchange student of AIMs program last year. In the afternoon, presented our case and discussed about it with doctors.
Nov 24 (Fri)	Only Japanese students had examination of horse unit because Thai student had to join job fair. It was actually not examination but discussion about how to diagnosis and special disease in Thailand and tropical country. The disease are Trypanosoma and fungus granuloma.



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Nov 25 (Sat)	No training
Nov 26 (Sun)	No training
Nov 27 (Mon)	Our group moved to bovine unit. In the morning, we attended orientation and study dairy farming in Thailand comparing with it in Japan. In the afternoon, went to demonstration farm and observed farm. After that, we discussed about problems in the farm.
Nov 28 (Tue)	Our group was divided to two group, our group decided to research relationship between rumen acidosis and milk composition. Discussed and read papers about it in a whole day.
Nov 29 (Wed)	In the morning, studied reproductive examination, and practicing rectum palpation with ultrasonography. First, tried to check a structure in ovary only by my hand and rechecked it with ultrasonography to make sure whether my diagnosis is right or wrong. In the evening, collected rumen juice to check pH and microbe.
Nov 30 (Thu)	Made presentation for tomorrow.
Dec 1 (Fri)	No training (Because had to get extension VISA)



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Dec 2 (Sat)	No training
Dec 3 (Sun)	No training
Dec 4 (Mon)	In this week, visited daily farms to see cows having problem with doctor. Watched cases of chronic mastitis, ketosis and retained placenta. FMD occurs in the area I visited but I could not see any FMD case.
Dec 5 (Tue)	No training (KING's BIRTHDAY)
Dec 6 (Wed)	Thai students had to attend a conference about large animal veterinary medicine, so we followed doctors only Japanese student. The doctor sometimes taught us about cases with Japanese, because he stayed Japan for 7 year about 20 years ago. After coming back from farm visiting, we presented three cases we met at last Monday.
Dec 7 (Thu)	Visited farms. Watched a case of Anaplasma. Did rectal palpation to check reproductive condition. After class, we had to make presentation about AIMS program and review for examination of cow unit.
Dec 8 (Fri)	In the morning, we had examination. Asked about normal range of cow condition and medicines for treatment, after that we discussed example case. In the afternoon, we attended closing ceremony of AIMS program and presented about what I do in Thailand. In the evening, we attend the farewell party, many Thai student came nevertheless they have examination next morning.



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Dec 9 (Sat)	No training
Dec 10 (Sun)	Left Thailand to Japan
Dec 11 (Mon)	Arrived Hokkaido.