



Weekly Report Hokkaido University Name Taishi Shimazaki

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<p>Sept 10 (Sat)</p>	
<p>Sept 11 (Sun)</p>	
<p>Sept 12 (Mon)</p>	<p>Today, we started CVEJT program in Thailand. In this unit, I belong to Avian group, so our group study chicks quality management, evaluation of immunosuppression in chicken and of chicken gut health in the morning. Furthermore we went to a chick farm near by KU, evaluated check lists of agricultural practice for broiler farm. After the class, KU students held a welcome party for us. It`s very nice time to have a relationship with KU and UT students.</p>
<p>Sept 13 (Tue)</p>	<p>Today, we learn about a hatchery farm, poultry hatchery management and principles of poultry diseases diagnosis. A productive cycle of chickens has three step; parent stock, hatchery and broiler farm. In the afternoon, we performed necropsy of broilers and ducks. They represented anorexia and diarrhea. We suspected bacterial infection because there are a lot of pus in thoracic cavity.</p>
<p>Sept 14 (Wed)</p>	<p>We assembled at 7 am and went to a hatchery farm. In the hatchery farm, we observed there and checked embryo development of fresh eggs. After coming back to KU, we evaluated chicks quality and dissected them. We also prepared our presentation. After that we, HU students, have a dinner with Dr. Mizukawa, because she will go back to Japan tomorrow. We ate very large steaks!</p>
<p>Sept 15 (Thu)</p>	<p>We learn about avian influenza and show our presentation about highly pathogenic avian influenza in the morning. After that we discuss about it. In the afternoon, some of our group explain problems of chick farm in presentation. There are two aspects which is biosecurity and farm management. After the class, we performed necropsy of poultry. We ate Thai YAKINIKU at dinner with Thai friends.</p>



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<p>Sept 16 (Fri)</p>	<p>We went to a hatchery farm again in the morning. We checked about 150 eggs to evaluate embryo development. I became to understand how old are they. After going back to KU, we performed necropsy of broilers and ducks. I did not know “annular band”, which is a kind of lymphoid tissue only ducks have. After the class, we ate SHABU-SHABU and went to Big Bar, the most famous bar in Thailand. It was very good time for me.</p>
<p>Sept 17 (Sat)</p>	<p>No training</p>
<p>Sept 18 (Sun)</p>	<p>No training</p>
<p>Sept 19 (Mon)</p>	<p>In the morning, we evaluated quality of 20 eggs. 10 eggs were sold in a convenience store in KU campus. The other 10 eggs were in a super market. There are five parameters, egg weight, yolk color, albumin high, Haugh unit and egg grade. Egg grade sold in a convenience store is higher than in a super market. In the afternoon, we had presentations of poultry disease. I pass the presentation exam somehow.</p>
<p>Sept 20 (Tue)</p>	<p>Today, we went to a hatchery farm of ducks. We learned how to segregate female from flock and do candling to know whether fertile or not. In the evening, we went to other farm. We observed ducks breeding farm. After that we performed necropsy. There were chickens which were suspected Marek` disease. Their proventriculus and spleen was swollen. This was a good experience because we have never seen MD.</p>
<p>Sept 21 (Wed)</p>	<p>We evaluated immunosuppression and coccidiosis in chicken in this morning. We observed bursa of Fabricius, spleen, thymus and bone marrow to evaluate immunosuppression, and intestine for coccidiosis. After that we show our presentation about visiting chicken farm. We went to night market with Thai friends in the evening.</p>



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<p>Sept 22 (Thu)</p>	<p>I studied disease of poultry by myself, because Dr. Ken got sick and our class was closed. And I prepared my presentation for next tomorrow. In the afternoon, we went to duck farm again. We learned about duck farm management industrial cycle of ducks. After the class, I went to my Thai friend's house to prepare final presentation and exam.</p>
<p>Sept 23 (Fri)</p>	<p>Today we had a lot of presentation from morning to afternoon. For example, hatchery management, duck farm, chick quality, embryo evaluation, and vaccine of avian. Finally all of us passed avian section. In this section, I learn about importance to collect exactly data and to recognize lesions by myself. I thought I would be a good pathologist by using this experience.</p>
<p>Sept 24 (Sat)</p>	<p>No training</p>
<p>Sept 25 (Sun)</p>	<p>No training</p>
<p>Sept 26 (Mon)</p>	<p>In this week, I belonged swine unit and learned about pig farm like management, artificial insemination and breeding. In breeding, there are several units, for example, boar, gilt, gestation, lactation, nursery and finishing unit. The most important thing to manage is to control appropriate temperature by using Evaporative cooling system or Open house system.</p>
<p>Sept 27 (Tue)</p>	<p>Today, we went to pig farm in Ratchaburi to evaluate farm management. In this farm, there are 2000 sows, and the farmer uses both Evaporative cooling system and Open house system. Unfortunately, outbreak of FMD has occurred in there, so we have to care about not spreading this disease. After coming back to our campus, we prepared our presentation about problems in that farm. We discussed about solution of management problems.</p>



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Sept 28 (Wed)	I have no class today.
Sept 29 (Thu)	We went to other pig farm in Ratchaburi. This farm is medium scale and there are 1000 sows. The farmer were worried about outbreak of PRRS three months ago, because mycotoxin contaminated into feed of swine. However, a veterinarian solve this problem by mass vaccination and adding new mycotoxin binder products. After coming back to our campus, we prepared our presentation about problems in that farm.
Sept 30 (Fri)	We showed some presentations. For example, the topic of our group is farm management and the other group is case reports of swine. After that we discussed about that all day long.
Oct 1 (Sat)	No training
Oct 2 (Sun)	No training
Oct 3 (Mon)	In this week, we learned about disease and necropsy of swine. But we could not necropsy today. The most interesting thing I thought is the difference of way to control disease between Japan and Thailand. In Japan, we regard eradication as more important than prevention if possible. However, in Thailand, they are opposite because Thailand is surround by other countries and is not able to prevent disease from invasion.



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<p>Oct 4 (Tue)</p>	<p>In this morning, we learned about disease of swine, especially epidemiology and vaccine. In Thailand, Foot and Mouth disease, Classical Swine Fever and Aujeszky`s disease are the most major problems, furthermore, PRRS and Mycoplasmosis, PCV are following. We have to remember that a type of each vaccine is kill or live. After that we necropsied two piglets suspected Salmonellosis.</p>
<p>Oct 5 (Wed)</p>	<p>I have no class today.</p>
<p>Oct 6 (Thu)</p>	<p>We observed one case report at fast and discussed about that. We suspected Salmonellosis or Classical Swine Fever because of hemorrhage at kidney, infarction at spleen, pneumonia, enteritis and enlargement at general lymph nodes. After that we necropied two cases of piglets. We prepared our presentation about which we experienced.</p>
<p>Oct 7 (Fri)</p>	<p>We showed some presentations. For example, the topic of our group is case report and the other group is farm management of swine. After that we discussed about that all day long.</p>
<p>Oct 8 (Sat)</p>	<p>No training</p>
<p>Oct 9 (Sun)</p>	<p>No training</p>
<p>Oct 10 (Mon)</p>	<p>In this week, we were going to learn about aquatic animal. Today in shrimp unit we learned about farm management, for example, reproductive system, culture system and water management. These were quiet different from fish farm. After that we prepared our presentations about water quality. After our class, I played golf with my Thai friends.</p>



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Oct 11 (Tue)	We held presentation about water quality all day long. After that we got assignment about disease of shrimp and prepared it until midnight.
Oct 12 (Wed)	We had a class about how to detect EMS/AHPND, one of the most important disease in shrimp, by using Real Time PCR. We also studied principle of that. We necropsied crayfish. They showed high mortality rate, discoloration and infectious symptom. In this afternoon, we held presentation about disease of shrimp.
Oct 13 (Thu)	We went to two shrimp farms for hatchery and growth out. In the first farm, there are shrimp of zoea, mysis and post larvae. The second farm is for only post larvae and there are huge ponds. After that we prepared our presentation about farm visiting and case report of necropsy. Today we heard very sad news about Rama IX. We would be faced the most important problem in Thailand.
Oct 14 (Fri)	In this morning, we hold a memorial service for Rama IX. Every Thai student said he was the greatest King. In this afternoon, we hold our presentation we experienced. After that we had exam about reproductive, disease and disease of shrimp.
Oct 15 (Sat)	No training
Oct 16 (Sun)	No training



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Oct 17 (Mon)	In this week, we were going to learn about management and disease of fish. Today we studied management and culture system of fish. We necropsied fishes. We suspected bacterial disease. After our class, we were given some papers by our teacher and prepared presentation about these papers.
Oct 18 (Tue)	We went to crocodile farm because carcasses of crocodiles were found. They show some clinical signs, for example, hemorrhage at mouse, vent and skin, gas accumulation of gut, septicemia and difficulty of breathing. So we suspected respiratory disease. After coming back to our faculty, we necropsied it. We prepared our presentation in the evening.
Oct 19 (Wed)	We had no class today.
Oct 20 (Thu)	We performed our presentation about case reports and immunity of fish. After that we necropsied eight crocodiles, but these crocodiles showed only postmortem changes. So we could not go on. In this afternoon, we learned about sex determination of fish. After class, we prepared our last presentation.
Oct 21 (Fri)	Today, it was the final day to learn about farm animals. In this morning, we hold our presentation about papers our teacher gave us. We discussed about that and made decision how to solve. In this afternoon we continued to discuss how to prevent and manage. After finishing our class, we went to eat Shabu with my group members.
Oct 22 (Sat)	No training
Oct 23 (Sun) Chulalongkorn Memorial Day	No training



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<p>Oct 24 (Mon) Chulalongkorn Memorial Day ※Additional Public Holiday</p>	<p>No training</p>
<p>Oct 25 (Tue)</p>	<p>From this week, we were going to study about large animals like bovine, equine and wild animals. We started to learn about bovine and went to Nong pho campus. We visited there and preformed medical examinations. Today we had cases of a cattle and a goat. In this evening, we gave medical treat for the goat again.</p>
<p>Oct 26 (Wed)</p>	<p>We were separated to four groups and my group went to five dairy cow farms in Kanchanaburi. We performed rectum exam, pregnancy diagnosis and treatment for retention of placenta. Today it had heavy rain like a storm. After class, we went to night market in Nong Pho. In this evening, we prepare our presentation about case report.</p>
<p>Oct 27 (Thu)</p>	<p>In this early morning, We necropsied the goat we treated yesterday. And then we went to a dairy cow farm to trim their hoofs. After coming back to hospital, we had an emergency case for torsion of uterus. We performed rolling method to treat and were present at birth. In this evening, we prepared our presentation about two kinds of mastitis, contagious and environmental.</p>
<p>Oct 28 (Fri)</p>	<p>Today we held our last presentation about mastitis observed around Nong Pho district, then we discussed about how to solute and prevent this problem. After class, we went back to KPS campus and prepared some stuffs and went to Hua Hin to have a look around an animal hospital.</p>
<p>Oct 29 (Sat)</p>	<p>No training</p>



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<p>Oct 30 (Sun)</p>	<p>No training</p>
<p>Oct 31 (Mon)</p>	<p>In this week, we learned about wild animals. Today we studied habitat and infectious disease of elephants especially in this morning. Then, we watched some movies about conservation activities for wild animals. After class we observed a elephant hospital in KPS. We could ride one elephant there and treated the other elephant for dystocia. It was a precious experience for me.</p>
<p>Nov 1 (Tue)</p>	<p>Today we visited conservative area for Banteng, called wild red cattle in Thailand. Banteng is a semi extinct animal and there are only 200 Banteng in Thailand. We had a lecture about conservation, transport and surveillance for Banteng. We observed them in conservative area and got inside of native forest. However we couldn't see due to heavy rain.</p>
<p>Nov 2 (Wed)</p>	<p>Today we moved to Bangkok and visited Kasetsart university veterinarian hospital. We have medical practice for exotic animals there. We talked with owners about signalment, client complaint and history taking, and then we performed physical examination. After that we discussed about cases and made decisions for diagnosis, treatment and education for owners.</p>
<p>Nov 3 (Thu)</p>	<p>We continued medical practice for exotic animals. Today we had more cases than yesterday, especially rabbits. We focused one rabbit case for our last presentation. She showed bleeding at urogenital tract and dysuria. We suspected cystitis, urolith, uterine adenocarcinoma and endometritis, and held diagnostic X-ray, urinary exam and CBC. After coming back to KPS, we prepared our last presentation.</p>
<p>Nov 4 (Fri)</p>	<p>This is the last day to learn about wild life. Today we held our presentation about case report we had in Kasetsart university veterinary hospital. We followed POMR method, Problem-Oriented Medical Record, and discussed about a direction of treatment and education for owners.</p>



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Nov 5 (Sat)	
Nov 6 (Sun)	
Nov 7 (Mon)	I was absent class today because I got flu.
Nov 8 (Tue)	I was absent class today because of flu.
Nov 9 (Wed)	I was absent class today because of flu.
Nov 10 (Thu)	I was absent class today because of flu.
Nov 11 (Fri)	I was absent class today because of flu.



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Nov 12 (Sat)	
Nov 13 (Sun)	
Nov 14 (Mon)	In this week, we joined an animal hospital for bovine. First, we went to a farm to inject FMD vaccine for cattle and to perform rectum palpation for pregnancy test. After coming back, we discussed about penile deviation we are going to perform tomorrow. In this evening, there was one Loy Krathong, one of the famous festival in Thailand, and we enjoyed Loy Krathong.
Nov 15 (Tue)	In this morning, we had the operation of penile deviation and I assisted this operation. After that, we discussed about case reports we experienced yesterday and today. Main topic was about both mastitis, environment and contagious. In this evening we prepared our case report which we would talk about tomorrow.
Nov 16 (Wed)	Today we went to some farms to treat mastitis, dystocia, lameness and milk fever. In this afternoon we held discussion for case reports in which we were interested in this week. We thought how to diagnose, approach, treat and prevent and introduced by ourselves. After that we discussed with teachers about how to solve those problems.
Nov 17 (Thu)	We went to some farms all day long to treat especially hoof problem. We performed hoof trimming for cattle which showed severe lameness. In this evening, we prepared our final presentation. We decided to talk about a case which is about tetanus.



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Nov 18 (Fri)	Today, we had the last class for bovine unit. In this morning, we necropsied a goat which was dead today and suspected pneumonia caused by bacterial infection. And we held last presentation about our cases which we took charge of in this week. We talked about tetanus and concluded that taking care of deep wound is the most important factor to prevent tetanus.
Nov 19 (Sat)	No training
Nov 20 (Sun)	No training
Nov 21 (Mon)	For this two weeks, we were going to join equine unit. Today, an equine teacher introduced us horses admitted in a horse hospital. These horses had some problems and we took charge of one horse by one group. The horse we took care of got recto-vaginal fistula(RVF) and was going to be performed an operation in this week. In this evening, we practiced physical examination at a demonstration farm.
Nov 22 (Tue)	In this morning, new patient was brought to our horse hospital and he showed colic, depress, ataxia and high blood lactate. We suspected typical endotoxemia and treated antibiotics and gastric decompression. We became to take charge of this horse instead of RVF case.
Nov 23 (Wed)	Our morning class was canceled because a teacher had emergency case outside KPS, so we took general treatment for some patients. In this afternoon, we held an operation for castration. We performed open-method. After that we learned postoperative care and searched the most proper method of RVF.



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Nov 24 (Thu)	Today, we had a class of cardiology. In this class, we learned about cardiac physiology, Apex-Based Lead(A-B Lead) and echo cardiogram for equine. After that we practiced echo cardiogram and it showed a little bit low FS(Fractional Shortening). In this afternoon, we prepared our presentation.
Nov 25 (Fri)	No training
Nov 26 (Sat)	No training
Nov 27 (Sun)	No training
Nov 28 (Mon)	Today, we held presentation about our case report. Ours is about colic, duodenitis and proximal jejunitis, caused by endotoxemia. After that we had discussion about it and learned about other cases each other. After class, we reviewed our presentation and prepared our final exam,
Nov 29 (Tue)	In this morning, we performed blood parasite exam and had a class of it. For horses there are two major blood parasite diseases, Trypanosomiasis and Piroplasmosis. In our cases, we collected blood samples but we could not detect them. After that we held the operation for recto-vaginal fistula.
Nov 30 (Wed)	We learned about horse handling and how to inject agents via intravenous, intramuscular, per os and subcutaneous. That was quite different from cattle and we have to be more careful if we perform treatment. In this afternoon, we studied blood parasites, how to transfusion and reproductive for equine.



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Dec 1 (Thu)	Today we took general treatment for own horses and transmitted hay from demonstration farm to our hospital. In this afternoon, we learned equine neurology, especially cranial nerve. After the class, we had an operation for spin bone fracture and colic. The horse was anesthesia by isoflurane inhalation. We prepared our last oral exam for equine and bovine.
Dec 2 (Fri)	I had two oral examinations, bovine and equine. In this morning, we, Japanese, had bovine exam and told about what we learned in bovine unit, for example mastitis, FMD, milk fever and so on. After that I had equine exam. The topic was case report for my patient. After the exams, we held our presentation about what we learned in Thailand. It was precious time to live in Thailand, I thought.
Dec 3 (Sat)	
Dec 4 (Sun)	