



Weekly Report The University of Tokyo Name Daiki Nakajima

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Jul 29 (Sat)	We arrived at the airport at 10:40. Dr.Suporn and two students picked us up by van and arrived at about 3:00 on Sep 30 th .
Jul 30 (Sun)	We had a lecture for classes and practices in KPS from Dr.Suporn and looked around KPS.



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<p>Jul 31 (Mon)</p>	<p>We visited grow-out farm of shrimp in the morning. We saw the pools and automatic feeding machine and checked the water quality, for example pH, concentration of NO₂ and so on. In the afternoon we had a lecture about breeding system and disease of shrimp. Market size of shrimp is very big in Thailand, so we knew the importance of veterinarian in shrimp.</p>
<p>Aug 1 (Tue)</p>	<p>We have a class about aquaculture in Thailand. I learned the factors for effective diagnosis. They are enough knowledge, enough skills and enough facilities. After that, we visited the farm of guppy. We took the history of sick fishes from the owner of farm and checked the water where the sick one lived. And we observed their gill, fin and the mucus of skin by using microscope. We could see some kinds of external parasites. We will discuss about the cause of sickness.</p>
<p>Aug 2 (Wed)</p>	<p>Today we discussed about the cause of sickness in the morning. We checked the tissues of fish again by microscope and identified two types of external parasites. In the afternoon, we conducted a surgery of fish with Thai students. We learned about suture, anesthesia, CPR and so on. It is the first time, so it was so precious experience for us.</p>
<p>Aug 3 (Thu)</p>	<p>We had classes about swine. In the morning, we learned about swine industry and management. In the afternoon, we learned about important swine diseases and how to examine diseases.</p>
<p>Aug 4 (Fri)</p>	<p>We got up early and visited the swine farm in Rachaburi prefecture. The farm has some units, for example nursery, gestation and lactation. There are about 9,000 sows. We could check the quality of semen that was picked up from boars. We could observe semen which had high abnormality.</p>
<p>Aug 5 (Sat)</p>	



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Aug 6 (Sun)	
Aug 7 (Mon)	We had a short lecture for necropsy and then did necropsy of two pigs in the morning. We collected blood from jugular vein, anesthetize them and start necropsy. We could find some lesions. In the afternoon, we did it, too. We could interstitial and bronchopneumoniae. After that, we filled the sheet for necropsy.
Aug 8 (Tue)	In the morning, we had a class about poultry. In the afternoon, we visited local broiler farm. Before visiting, we had to wash hair and change into new clothes for biosecurity because we did necropsy of pigs yesterday. The farm that we visited was terrible in terms of hygiene. It didn't meet the standard in Thailand from many perspectives.
Aug 9 (Wed)	We evaluated chick quality in the morning. We observed the chick and did necropsy. Some friends could see the abnormality like omphalitis and unclosed navel. We used DOC analysis and TONA score as the standard.
Aug 10 (Thu)	We evaluated chicken gut health in the morning. After euthanized, we did necropsy for chickens. We evaluated GI track by 10 points and the infection of Coccidium. Eimeria tenella, Eimeria maxima and Eimeria acervulina.
Aug 11 (Fri)	We planted rice in the field in the morning. And we made presentations for animal resource like Aquaculture, swine and poultry. I made a presentation about broiler farm. I think our presentation went well.
Aug 12 (Sat)	



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Aug 13 (Sun)	
Aug 14 (Mon)	
Aug 15 (Tue)	<p>We left KPS at 6:00 and went to Lopburi Province in order to study human-monkey conflict. After arriving, we planted trees in the morning. After that we observed monkeys in a temple in the mountain. There are many monkeys in the mountain and we learned about how to observe wildlife by far inspection. We checked the physical condition and the behavior of monkeys.</p>
Aug 16 (Wed)	<p>In the morning we had a discussion with teachers and stuffs who protect the environment and research it. I learned about how different they decrease the number of monkeys while they protect monkeys and crops made by farmer who live near the mountain. We should think about effect, benefit and cost. And in the afternoon we visited the city where there are many monkeys. In the city, we can see the fence for window that prevents monkeys from getting into the building and there are electric poles without electric wires.</p>
Aug 17 (Thu)	<p>Today we went to elephant clinic in the university and we studied how to anesthetize wildlife. Actually we practiced setting the syringe that is used for anesthesia by shooting guns. In the afternoon we learned about elephants, for example anatomy, physiology, disease, role of them in forest and so on. Our teacher is an elephant expert and he can remove calculi from elephant urinary. I can know how much he likes elephants from his talking.</p>
Aug 18 (Fri)	<p>We went to Kanchanaburi and visited salakpra wildlife sanctuary where there are wild elephants. I couldn't see elephants but my friends could see a few elephants. I wanted to see them, but they are wildlife so it couldn't be helped.</p>
Aug 19 (Sat)	



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Aug 20 (Sun)	
Aug 21 (Mon)	We visited Nhongpho in order to study daily cattle. In the afternoon we are divided into two groups and go to some farms with veterinarians. Our group could see emphysema, pneumonia and retained placenta. And I experienced rectal examination by my arm for the first time. We could listen to Russell sound.
Aug 22 (Tue)	We are divided into two groups, too. Our group visited 6 farms. We conducted rectal examinations in order to check the cows that are pregnant or have some problems. This is the first time for me. It is so difficult for me. We should practice it more. We could see pyometra. I injected PGF _{2α} IM in the cow.
Aug 23 (Wed)	In Thailand, there are many cows that are in bad condition in terms of nutrition. They have low BCS. So they suffer from diseases in perinatal period. Today we saw the cow that had retained placenta. This cow's BCS was 2.25. She showed depress, eating less, weakness, reluctant to stand and retained placenta. I think she is typical case in Thailand.
Aug 24 (Thu)	Today we visited farms with vets. I could touch ovaries and identify corpus luteum by rectal palpation. It was big progress for me. And we could experience blood collection from caudal vein many times and got good at it. This blood collection was for Brucellosis in cows or heifers that come to farms recently. It is important for farmers to protect some severe diseases like Brucellosis.
Aug 25 (Fri)	We made presentations for 2 cases. The case of our group was hypocalcemia. Hypocalcemia is not severe itself but it is possible that many diseases are occurred from it. Our presentation was not perfect but we could learn many things from this section and this presentation. We could spend great time because of kind teachers and interactive practice.
Aug 26 (Sat)	



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Aug 27 (Sun)	
Aug 28 (Mon)	This week we will detect problems and analyze them in the demonstrating farm in the university. In the morning we have a class about main problems in dairy cattle in Thailand. We are interested in mastitis so we decided to analyze the data oh farm about it. Mastitis is a common disease in farms and it is important for farmers to management.
Aug 29 (Tue)	Dr. Anuchai taught us about examinations for reproduction. We practiced rectal palpation for the cows in demonstrating farm. I could touch uterus and ovary and identify corpus luteum. Last week we could practice it many times, so we got good at it. However it is really difficult for me.
Aug 30 (Wed)	Today we saw milking in the farm. Some cows ware suffering from mastitis and lameness. Milking was not good in terms of prevention of mastitis. For example some teats were in bad condition because of long milking or high pressure of milking machine. This condition is one of cause of mastitis.
Aug 31 (Thu)	We visited demonstrating farm. The purpose of visiting today is to observe milking in terms of protection of mastitis. We conducted teat-end test, check the activity of cows after milking, the number of cows suffering from mastitis and so on. We collected some information and data in order to make a presentation tomorrow.
Sept 1 (Fri)	We made a presentation about mastitis in the demonstrating farm. Especially we took economic loss as a topic. We were asked many question by teachers and could discuss a lot about state of the farms in terms of mastitis. It was so meaningful time.
Sept 2 (Sat)	



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Sept 3 (Sun)	
Sept 4 (Mon)	I and another student visited 10 farms. We could see many cases. White line disease, gangrenous mastitis, endometritis, and so on. In the case of gangrenous mastitis, udder was so hard and cool and milk was red because it contained blood. This disease is acute and has high mortality, so the cow suffering it would go to slaughterhouse.
Sept 5 (Tue)	Our group visited 6 farms today. Many cows were suffering lameness, so we could see hoof trimming many times. Hoof problem is one of the major problems in Thailand. And our teacher taught us about estrus cycle and reproductive problems in detail. It was so interesting for me.
Sept 6 (Wed)	Today we could see 2 surgeries in the morning. First one is surgery for persistent urachus in cow. Second one is for anal atresia in cough. I haven't ever seen any surgery in cows so it was a precious experience for me. In the afternoon our group visited 7 farms. We got good at injection of drugs to cows because we could practice it in all cases.
Sept 7 (Thu)	We could see the calf that was suffering omphalitis and arthritis. It was interesting so we chose this case as the topic that we will make a presentation about.
Sept 8 (Fri)	We had a presentation about a case and oral examination. Oral examination was hard for us. We should have decided one disease and we were asked many questions about it.
Sept 9 (Sat)	



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Sept 10 (Sun)	
Sept 11 (Mon)	<p>Today we started the life in Bangkok. My schedule is soft tissue, anesthesia and orthopedic. In the morning we had a lecture about the hospital and I saw some cases in soft tissue surgery unit in this afternoon. I saw the cases of perineal hernia, scrotal mass and perianal mass. These were so interesting for me.</p>
Sept 12 (Tue)	<p>I saw 3 cases today. Mass in mammary glands, elongate soft palate and cataracts. Elongate soft palate is one of brachycephalic airway syndrome. I had never seen it. The technique of surgeon was so good and delicate. In case of cataracts, emulsification of lens by ultrasonic wave and inserting of artificial lens were carried out.</p>
Sept 13 (Wed)	<p>I saw 3 cases. Anal sac adenocarcinoma, urethra calculi and gastric adenocarcinoma at pyloric. In the afternoon I saw the surgery for gastric adenocarcinoma. It took more than 3 hours. It was so interesting because I could see the real surgery that I studied in class in our university.</p>
Sept 14 (Thu)	<p>I had 4 cases. In the morning I saw OVH and cryptorchidism. And the doctor who I followed made me follow another doctor. So I followed him in the afternoon. He is an expert of neuronal diseases. It was a good opportunity for me. He carried out the surgery for IVDD. I was an assistant for him. His explanation made me know many thing about surgeries for neuronal diseases.</p>
Sept 15 (Fri)	<p>I saw 2 cases today. OVH and castration. I could practice skin sutures. In the afternoon, we had no class and I wrote reports for cases.</p>
Sept 16 (Sat)	



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Sept 17 (Sun)	
Sept 18 (Mon)	I will study about anesthesia in this week. Today I saw 2 cases of soft tissue surgery and recorded the conditions during surgery. I want to learn about the importance of anesthesia in this week.
Sept 19 (Tue)	Today I saw 3 cases. Oral melanoma, hip joint luxation and corneal ulcer. I saw emergency unit for the first time. Unfortunately there is 1 case in the emergency unit today.
Sept 20 (Wed)	Today I saw 4 cases. I had 2 cases in the morning and 2 cases in the afternoon. I saw orthopedic unit for the first time. I was surprised at doctors' techniques. They are so speedy and so precise.
Sept 21 (Thu)	Today I saw 3 cases. I had 2 cases in the morning and 1 case in the afternoon. Last case took about 3 hours so I was so tired.
Sept 22 (Fri)	Today we have practice only in the morning. I saw 1 case for hip joint laxation. In the afternoon we wrote reports.
Sept 23 (Sat)	



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Sept 24 (Sun)	
Sept 25 (Mon)	I will study in orthopedic unit in this week. Today the doctor who I should follow didn't come so I followed the cases in emergency unit. I saw the cases of squamous cell carcinoma in oral cavity and neourethrostomy for urethral stenosis.
Sept 26 (Tue)	Today the doctor who I should follow didn't come so I followed the cases in emergency unit, too. I saw the case of OVH for fetal death and removing of mass for testicular tumor and squamous cell carcinoma in buccal area and mandibular area.
Sept 27 (Wed)	Today I saw the case for orthopedic diseases for the first time in this week. I saw the cases of external skeletal fixation for tibia fixation, femoral head and neck excision for hip laxation and reduction for cranial cruciate ligament rupture.
Sept 28 (Thu)	I saw the cases of metatarsal born fracture and distal femoral fracture. When the surgeon tried to fix the fractured bone in the case of metatarsal fracture, the bone was broken. So she changed the plan and tried to fix it by fixation of other metatarsal bone. It looked difficult to carry out the surgery for such small bones.
Sept 29 (Fri)	The doctor who I would follow didn't come. So I saw the case in emergency unit. It was cholecystectomy. I could join the surgery as a assistant. The surgeon told me that this procedure is a little different from the one in Japan.
Sept 30 (Sat)	



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Oct 1 (Sun)	
Oct 2 (Mon)	We started internal medicine unit. My first day is with neurology. I saw many cases for neurological diseases. Hemivertebate, hydrocephalus, quadrigeminal cyst, syringomyelia, visceral seizure, and so on. I could see physical examination for neuronal function many times. Dr.Nirut taught us many things gently.
Oct 3 (Tue)	Today we saw the cases in OPD unit. We followed Dr.Noppasin and he is a specialist for ophthalmic diseases. I saw the ophthalmic mass. He suspected that it is melanoma because lymphosarcoma and leiosarcoma were ruled out. He carried out examinations by using slit lamp, Miadriacyl and so on.
Oct 4 (Wed)	We studied about ultrasound in the morning and CT and MRI in the afternoon in radiology unit. I have already studied about them but I forgot many things so I cannot help feeling that I have little knowledge about them. I regretted not being able to answer many questions. At the same time I was happy to have good opportunity that I reviewed radiology.
Oct 5 (Thu)	We saw some cases today. We followed different doctors between the morning and the afternoon. We could see DKA (= Diabetic ketoacidosis). It is secondary disease for Diabetes and has severe conditions. We studied more about it with only students and we learned more.
Oct 6 (Fri)	Today we saw 10 cases in the morning. We followed Dr.Nirut like this Monday and studied much about neuronal diseases. I was interested in Horner's syndrome. I studied about it in Japan, but I didn't think that I would actually see this case. I could review what I have studied before. It was so good opportunity for me.
Oct 7 (Sat)	



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Oct 8 (Sun)	
Oct 9 (Mon)	<p>Today we followed Dr.Bordin and studied about neurology, especially neuronal physical examination. Also we actually experienced history taking from owners. It was a precious opportunity. He taught us many things gently and I was impressed with his quick and proper techniques.</p>
Oct 10 (Tue)	<p>In this morning I and another student saw the surgery for IVDD. It was protrusion of disc between C4 and C5. So the surgeon chose the ventral approach which is called "Ventral slot". I learned it last week in neurology unit. We joined this surgery as assistants. In Thailand doctors do surgery while they listen to music or talk with assistants and nurses. So the surgery room is comfortable and we can relax. This is suitable and good for students.</p>
Oct 11 (Wed)	<p>Today we studied in gastroenterology unit. We saw many cases in the morning. In many cases patients had problems in liver and jaundice. And we could see the some cases for blood parasites. I heard that there are many cases for blood parasites. It was surprising because we cannot see so many cases for them. In the afternoon we observed liver biopsy under ultrasound. Today I had many first experiences even though we have already stayed here for more than 2 months.</p>
Oct 12 (Thu)	<p>Our group studied in OPD unit today with Dr. Anchulee. She asked us many questions and taught many things through them. We could see many various cases like diabetes, pyometra, tracheal collapse, chronic kidney disease, mitral valve disorder, and pyelectasis. It was good opportunity for us to know about details of many diseases.</p>
too 13 (Fri)	<p>Today is holiday, so we didn't have any class.</p>



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Oct 14 (Sat)	
Oct 15 (Sun)	
Oct 16 (Mon)	This week is the last week in Thailand, so I want to study hard in order not to regret. Today we studied in urology unit. We could see the many cases for diseases in urinary tract. Hydronephrosis, calculi, nephritis, cystitis, idiopathic hematuria and so on. I was glad to study many new things even in the last week.
Oct 17 (Tue)	Today we studied in radiology unit. In the morning we studied about ultrasound. We have already studied about it once in this unit, but I still didn't know much and I was disappointed to know that I have little knowledge. We could see CT for the case of lung tumor in the afternoon.
Oct 18 (Wed)	We studied in CCU unit with Dr.Payu. In thus unit there are many dogs and cats that need special cares. We followed one case for each person in the morning and we discussed about cases in the afternoon.
Oct 19 (Thu)	In the morning the doctor who we should follow didn't come in OPD unit. We studied in feline unit in the afternoon. The doctor in feline unit studied in our university in the past. So she can speak Japanese a little bit and we could talk with her about our university.



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Oct 20 (Fri)	Today we studied in feline clinic like yesterday. We could get along with the doctors and the nurses there. We finished all schedules in Thailand. I felt relieved and a little sad.
Oct 22 (Sun)	
Oct 23 (Sun) Chulalongkorn Memorial Day	
Oct 24 (Tue)	
Oct 25 (Wed)	
Oct 26 (Thu)	
Oct 27 (Fri)	