

(Abroad • Domestic) Official trip report form (Student)

2018/06/21 (Year/Month/Day)

Name	Khoirun Nisa
Laboratory	Veterinary Internal Medicine
Year (Grade)	D4
Destination	Seattle, WA
Period of trip	June 13, 2018 – June 16, 2018
Purpose of trip	Poster presentation at American College of Veterinary Internal Medicine (ACVIM) 2018 Forum

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

American College of Veterinary Internal Medicine (ACVIM) forum is held annually with a lot of sessions that include research abstract presentations (oral and posters) as well as continuing education (CE) sessions for veterinarian (seminars and workshops). The ACVIM forum 2018 was held from June 14<sup>th</sup> to 16<sup>th</sup> in Seattle WA. I submitted my research abstract entitled “Evaluation of duodenal perfusion in dogs with chronic enteropathy and intestinal lymphoma” and selected for a poster presentation. I was given a 15 min question and answer session on June 14<sup>th</sup> afternoon (13.15-13.30). During this session, one attendee from New Zealand asked question regarding my research. Other than my poster core time, I attended various seminars and presentations that I summarized in the table below.

Date	Time	Seminars or Presentations	Brief Summary of Contents
June 14 <sup>th</sup>	08.15-09.30	Keynote lecture: Learning and teaching: lessons from cognitive neuroscience	How to present a material to be understandable and memorable
	10.10-11.00	Point of care thoracic ultrasound	• Thoracic focused assessment with sonography for trauma (TFAST)

			<ul style="list-style-type: none"> <li>• Focused ultrasound for severe cardiac remodeling</li> <li>• Lung ultrasound</li> </ul>
	11.10-12.00	Electrocardiography (ECG) for non-cardiologist	Interactive session where the audiences were asked to characterize cardiac arrhythmia from a number of ECG result of various cases in cats and dogs
	12.30-12.45	Distribution of regulatory T cell in inflammatory colorectal polyp in miniature dachshund (Poster presentation)	Increase of regulatory T cells in biopsy sample of polyp tissue compared with normal colon of same patients and colon sample of control beagles using immunohistochemistry
	13.40-14.30	Consensus statement: review of evidence for trigger factors and diagnostic examination of immune-mediated hemolytic anemia (IMHA)	An algorithm of IMHA diagnosis was presented as well as trigger factors (drug, infection, cancer, pancreatitis, vaccination)
	14.40-15.30	Consensus statement: rational immunosuppressive therapy for IMHA	1 <sup>st</sup> line: Prednisolon, Dexamethason 2 <sup>nd</sup> line: combination with other immunosuppressive agent (mycophenolic acid, cyclosporine, etc) Refractory disease : immunoglobulin, 3 <sup>rd</sup> immunosuppressant
	15.40-16.05	Preventing calcium oxalate urolith recurrence	Prevention include maintaining the urine pH neutral, urine specific gravity low, and eliminate small stone before surgery is required

	16.10-17.00	Clinical application of novel diagnostic in gastroenterology	Modalities to diagnose chronic gastrointestinal signs introduced currently were reviewed including in situ hybridization (FISH), PCR (PARR), capsule endoscopy, etc
	17.10-18.00	Biomarkers in canine chronic enteropathy	Biomarkers up to recent such as functional, inflammatory, genomic biomarkers were reviewed
June 15 <sup>th</sup>	06.30-08.00	Causes, cases & management of inappetence: therapeutic option	Introduction of relatively new therapeutic option using capromorelin (ghrelin mimetic)
	08.00-08.25	Functional characterization of enteroids/colonoids from endoscopically obtained biopsies in healthy and diseased dogs	Description of technique to culture organoid from small intestine and colon biopsy to be used for various purposes such as understanding pathogenesis of diseases and drug trial
	08.25-08.50	Frequency of oral famotidine administration determines the development of tolerance in cats	Oral administration of famotidine every other day reduce the risk of drug tolerance
	09.00-09.50	Prognostication and treatment of canine mast cell tumor	Grading systems (Patnaik, low-high, cytology-based) highly influence prognostication and treatment option
	09.55-10.20	Value of the urinalysis in the geriatric patients	Description of important components to be evaluated (neoplastic cells in urine sediment, urine specific gravity, urine protein creatinine ratio, etc)
	10.20-11.10	Antibiotic	<ul style="list-style-type: none"> <li>• Classification of antibiotic based on</li> </ul>

		resistance in small animal: what is the risk from antibiotics administered to companion animals?	frequency of utilization <ul style="list-style-type: none"> <li>• administration routes</li> <li>• transmission of antibiotic-resistant bacteria from pet to human is possible but infection less likely</li> </ul>
	11.20-12.10	Analgesic medication for small animal: what to use beyond NSAIDs?	The effectivity of analgesics often used as alternative for NSAIDs in clinical practice such as grapiprant, tramadol, gabapentin, oral opioid, etc
	13.40-14.30	Interstitial lung disease (ILD) in dogs and cats	Description of various types of ILD such as ILD by known cause, eosinophilic pneumonia, lipid pneumonia, etc
	14.40-15.30	Pulmonary hypertension: an internist's perspective	Approaches of non-cardiogenic causes of pulmonary hypertension such as pulmonary diseases, thromboembolism, and unclear multifactorial mechanisms
June 16 <sup>th</sup>	10.20-11.10	Diagnosis of small intestinal disease with ultrasonography	Review include normal range of wall thickness and differential diagnosis of abnormal echogenicity (speckle, striation, parallel band, loss of layering)
	11.20-12.10	Lung ultrasound	Emphasize the benefit of wet lung detection by ultrasound characterized by the presence of vertical B-line



Figure 1 Presenter should stand in the front of their electronic poster during 15 min question and answer session.



Figure 2 Keynote lecture of ACVIM Forum 2018 delivered by professor of bioengineering in University of Washington who was also a famous neuroscientist, John Medina.

Approval of supervisor	Institution・Official title・Name : Laboratory of Veterinary Internal Medicine (Professor) TAKIGUCHI Mitsuyoshi 印
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