## This report should be submitted within 2 weeks after you return to Japan.

(Abroad · Domestic) Internship report form (Student) <u>2019.02.07 (Year/Month/Day)</u>

Name	Mijiddorj Tsogbadrakh			
Laboratory	Laboratory of Veterinary Surgery			
Year (Grade)	D4			
Internship	Mongol Equestrian LLC, pharmaceutical company and Mongolian National Equine			
institution	Clinic			
Internship period	Internship period: 2019/01/19 - 2019/01/27			
	(Departure Date from Sapporo: 2019/01/19, Arrival Date in Sapporo: 2019/01/27)			
Purpose	Build to network with researchers and professionals in the pharmaceutical companies			
	and animal industry.			

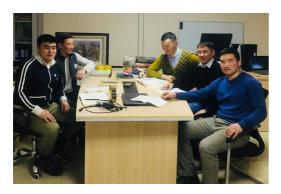
<sup>-</sup> Result of the activity (about 800 words, provide photos, tables and figures that clearly show the activities during the period)

Introduction: Mongolia is characterized by significant differences in the weather during the four seasons as well as changes in the grassland availability in different areas, causing Mongolian herders to lead a nomadic lifestyle based on pastoral animal husbandry. Herders are responsible for managing various things such as preparing livestock enclosures and making hay to feed herds during the winter. In recent years, herders and horse trainer provide additional nutrition, but they do not have enough information and experience about them. Also, researchers and professionals in the pharmaceutical companies and animal industry they do not have a good relationship.

**Purpose:** The purpose of the internship activities was to build to network with researchers and professionals in the pharmaceutical companies and animal industry; and to collect information on real situation in winter time and their relationship with winter feeding racehorses in Mongolia.

**Purpose 1.** The purpose of this internship activities to build to network with researchers and professionals in the pharmaceutical companies and animal industry.

- I attended pharmaceutical companies' meeting at MELLC so I got some research ideas and updates on any ongoing research activities.
- I also discussed my current research and future career plan with various research groups at the MELLC concerning research ideas and plans for experiments to explore possible future collaboration in research.
- In future establish an orthopedic disease research facility in MULS that would have strong
  collaboration ties with the pharmaceutical companies and animal industry.



Discussion time with A.Naranbaatar, director of MELLC and his team.



Meeting and question time with young researchers

**Purpose 2:** To collect information on the real situation in winter time and how caretakers provide to winter feed racehorses in Mongolia.

- I collected information via a survey. About feeding and supplement regimen and incidences of illnesses. Based on results of the survey and consultation with trainers, around 50 of 228 horses from 9 trainers were included in this study. Age of the horses was 1 12 years old with body weights of 250 300 kg.
- I visited each horse trainer every day. I observed the actual procedure of winter feeding as well as challenges faced by trainers.

During the one-week internship activate that ran from 19<sup>th</sup> - 27<sup>th</sup> January, 2019, I got a number of information about horses in winter listed below:

- There is not any standardized feeding regimen so there is no chance to control less or more supplement usage.
- Giving a horse cold water and then giving to feed may lead to risk of stomach illness.
- After the training horses feel cold which may lead to respiratory disease.

Overall, I gained a picture of some activities at the MELLC pharmaceutical companies and animal industry.



A horse sweats after training, creating ice crystals



Meeting a horse trainer in the field.



horses feed on green hay.



Horses feed on oats and bran.

The internship activities can be summarized:

- I successfully achieved my purpose such as collecting new information, gaining experience by interacting with different fields and acquiring more knowledge and understanding of the real situation of winter feeding.
- Finally, I will be able to cooperate in the future to work on toward developing standard feeding
  recommendations and announcements with researchers and professionals in the pharmaceutical
  companies and animal industry in Mongolia.

	Institution · Official title · Name
Approval of supervisor	Laboratory of Veterinary Surgery, Professor Masahiro Okumura

<sup>💥 1</sup> Send the electronic file to the Leading School section, International Affairs Office

Submit to: VETLOG, Ext: 9545 e-mail: leading@vetmed.hokudai.ac.jp

<sup>\*2</sup> 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).

<sup>\*3</sup> The Steering Committee of the Leading Program will first confirm the content of this report and report will be forwarded to the Educational Affairs Committee for credits evaluation.