

Form B-5

Date (日付)

30/01/2012 (Date/Month/Year: 日/月/年)

Activity Report -Science Dialogue Program-
(サイエンス・ダイアログ事業 実施報告書)

- Fellow's name (講師氏名): MUTELIEFU Gulinuer (ID No. P 10122)

- Participating school (学校名): Nagoya Koyo Senior High School

- Date (実施日時): 25/01/2012 (Date/Month/Year: 日/月/年) Time : from 13:00 to 15: 30

- Lecture title (講演題目): (in English) Lifestyle-related disease

(in Japanese) 生活習慣病

- Lecture summary (講演概要): Please summary your lecture 200-500 words.

Firstly, I briefly introduced my hometown -- Xinjiang Uyghur autonomous region of China and Uyghur culture by presenting the area, population, geography, history, language, religion, literature, music, traditional dress and food of Uyghur using some interesting photos. Secondly, I mainly explained the lifestyle-related disease, what kind of disease those bad life habits cause, such as obesity, diabetes and hypertension in a simple way, how to prevent these diseases, and how important it is to keep maintaining good life habits. Thirdly, I gave a short presentation about my research, to explain the role of indoxyl sulfate (IS), a uremic toxin, in the progression of chronic kidney disease (CKD) and cardiovascular disease (CVD) by inducing nephro-vascular senescence, including what is CKD, metabolism of IS in vivo, How to removal of IS, how to lower serum level of IS, what is vascular calcification and my current research achievements. Finally, I introduced two rat models: CKD and Hypertensive rat models, showed the tissue sections: kidney of CKD rats in (PAS) staining and MT staining; aorta of Hypertensive rat in H&E staining and Von Kossa staining by microscope, and what is the difference of several kind of staining. The students were divided into 6 groups, every 5 students shared one microscope to observe the tissue sections.

- Language used (使用言語): English

- Lecture format (講演形式):

◆Lecture time (講演時間) 80 min (分), Q&A time (質疑応答時間) 20 min (分)

◆Lecture style (ex.: used projector, conducted experiments)

(講演方法 (例: プロジェクター使用による講演、実験・実習の有無など))

Used projector for lecture; color copies of slides for students' handout; showed rat tissue sections by microscopes. 12 tissue sections for one group, total 72 tissue sections (40 min).

◆Interpretation (ex.: assistance by accompanied person, provided Japanese explanation by yourself) (通訳 (例: 同行者によるサポート、講師本人による日本語説明))

I provided Japanese explanation in the slides. Mr. Masao Ito, a science teacher of high school, assisted me to explain the tissue sections in Japanese.

◆Name and title of accompanied person (同行者 職・氏名)

None

◆Other note worthy information (その他特筆すべき事項):

I want to thank Ms.Takeuchi Aiko, the English teacher of high school,she kept writing me email before lecture to discuss some details of lecture, that gave me a lots help.

- Impressions and opinions from accompanied person (同行者の方から、本事業に対する意見・感想等がありましたら、お願いいたします。):