

Form B-5

Date (日付)  
14/11/2011 (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): **Mikhail Felixovich CHERNOV** (ID No. **P 10128**)

- Participating school (学校名): **Junior and Senior High School at Komaba (TSUKUKOMA)**

- Date (実施日時): **12/11/2011** (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): (in English) **Some facts about Russia, Neurosurgery, and how can we treat a brain tumor without even skin incision**

(in Japanese)

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

The structure of the lecture was discussed in advance with professor Miyazaki, who is the Chief of the TSUKUKOMA school. It started from self-introduction and consisted of 3 parts, namely: 1) Some facts about Russia; 2) Why I decided to become a neurosurgeon and what is neurosurgery in general; 3) How can we treat a brain tumor even without incision of the skin. The information about Russia included some general facts, nature, history, achievements, cities, population, language and economy. The second part included explanation of the reason, which enforced me to become a neurosurgeon (reading of the science fiction novel of Alexander Belyaev "Hoity-Toity" about transplantation of the human brain into the head of the elephant), the definition of neurosurgery, and explanation of the various diseases of the brain, spinal cord, and peripheral nerves, which are treated by neurosurgeons. At the end of this part the modern neurosurgeon equipment was shown and video of the real neurosurgical procedure was demonstrated. The third part explained radiosurgery, starting from the main principle (use of precisely delivered high-dose ionizing radiation for damage of the neoplastic or other diseased tissue), brief history and worldwide distribution, step-by-step details of the technique, and results of its application. This part contained 2 short illustrative videos. After each part of the lecture there was a request for questions.

- Language used (使用言語): **English**

- Lecture format (講演形式):

◆Lecture time (講演時間) **70 min (分)**, Q&A time (質疑応答時間) **10-15 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))

**44 PowerPoint slides (including 3 video slides) presented with projector**

◆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))

**The glossary of terms was prepared by the English teacher of the School.**

**Some words on the slides were written both in English and Japanese.**

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

No

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

No

- 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。): **There was no accompanying person**