

—— 招日研究助成報告 ——

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当院では、従来よりアジア太平洋地区を対象とした国際医療協力を行ってまいりました。その活動の一環として、てんかん治療研究振興財団の招日研究助成を受けて、多くの研修生をアジア各地から受け入れてまいりました。なお、当院における研修は系統的な講義なども行っておりますが、症例検討会や実際の病棟・外来業務を通じた実践的な臨床てんかん学を研修していただいております。本年はこの助成にてManju George医師をインドより招聘させていただきました。

Manju George医師は講義には必ず出席し、積極的に質問をされておりました。また、当院におけるてんかんに関連した蔵書にて自主的に多くのことを学ばれておりました。さらに、総合的にてんかん学を研修できる、当院の「てんかん学研修セミナー」にも参加されておりました。

実践的な研修面ではありますが、ほぼ毎日行われている初診外来や病棟回診への出席、週3回のカンファレンスへの出席は欠かさずに行われておりました。これらにより、数百例のてんかん患者さんについてディスカッションをされたものと思われます。また、長時間脳波モニターやてんかん外科の術前検査の習熟だけでなく、頭蓋内脳波検査や脳磁図の評価にも積極的に参加されておりました。さらに、これらを通し、医師だけでなく他の医療スタッフとの交流もされており、包括的医療に関しても種々のことを学ばれておりました。

また、てんかん学だけでなく障碍児のリハビリは発達支援の領域にも興味をもたれておりました。当院においても発達支援部門にて研修をされておりましたが、さらに近隣の施設（静岡県立こども病院）でも発達支援の研修をされました。

これらの研修の総括として“Etiology and immediate surgical outcome of refractory symptomatic partial epilepsy in children”と題した報告を、当院脳外科の臼井直敬医師の指導のもとに執筆されており、インドに帰国された後に投稿をされる予定となっております。

これらのことを十分に研修されてインドに帰国されることになりましたが、非常に熱心でまたフレンドリーな先生でもあり、今後はインドにおいててんかん診療の中心的存在となるものと非常に強く確信しております。



Report of Fellowship programme in Clinical epileptology of Dr. Manju George Elenjickal at the National Epilepsy Center, Shizuoka, Japan

Dr. Manju George Elenjickal joined the National Epilepsy Center, in Shizuoka institute of Epilepsy and Neurological Disorders, Japan on October 8, 2014 for undergoing post doctoral fellowship in clinical Epileptology and stayed till March 24, 2015.

During this period she was enrolled into the educational program covering the basics of Epileptology and her work is concluded as follows:

Step I

1. She was introduced into the programme and encouraged to attend rounds and lectures to familiarize with the routine of the curriculum and the center.
2. She regularly visited the EEG lab and learned about the various techniques of EEG recordings, standard protocols and activation methods, and got training to recognize normal and benign variants, commonly encountered EEG artifacts, and epileptiform activities.
3. She was involved in outpatient and in patient management, in both pediatric and adult sections.
4. Reading materials were collected from the library and books and journals on EEG, basic EEG terms, Epilepsy syndromes and various related areas were covered.

Step II

1. She regularly attended rounds, lectures, case discussions, clinical and video conferences, and demonstrations on various topics in Epilepsy.
2. She observed both inter ictal and ictal recordings and long term EEG monitoring, procedures like sphenoid electrode placement, subdural electrode placement and Intracerebral EEG monitoring.
3. She observed presurgical evaluation process, and attended epilepsy surgery involving lesionectomy in a case of posterior cortex refractory epilepsy.
4. She got training in interpreting neuro imaging modalities like MRI, ASL, SPECT and PET studies and the importance and usefulness of these in Epilepsy surgery.

Step III

1. She attended 10 consecutive didactic lectures on EEG recording and reporting and was given formal training to analyze and report electroencephalography. She was given assignments on EEG reporting on a weekly basis. These reports were critically assessed to clarify mistakes and doubts in order to ensure adequate competence.
2. She got exposed to the technique of Magnetoencephalography (MEG) and learned the usefulness in pre surgical evaluation to identify the epileptogenic zone.
3. She observed functional mapping and recording of evoked potentials and was explained on the techniques of interpretation.
4. She regularly attended the developmental department and learned about various developmental disorders and rehabilitation processes through active discussions and interaction with therapists, supporting staff and by patient observation.

Step IV

1. She carried out an original short term study which is titled "Etiology and immediate surgical outcome of refractory symptomatic partial epilepsy in children", under the guidance of Dr. Naotaka Usui, which is ready for publication. The study included cases of 10 children who were evaluated in detail to identify the epileptogenic zone and subjected to various types of epilepsy surgeries at the institute during her stay.
2. She was involved in patient management on first visits in the out patient department showing keen interest and mingled well with doctors, residents, nurses and patients.
3. She visited other centers like Shizuoka Prefectural Children's Hospital and centre for Pediatric neuro disability treatment and rehabilitation in Shizuoka and gained substantial information and knowledge on related topics.
4. She attended a two day conference on Pediatric epilepsy and Neurology held at the National Epilepsy Center, Shizuoka on January and 2015.

Step V

1. She actively joined in weekly case discussions in the pediatric ward covering many epilepsy syndromes and genetic conditions related to Epilepsy and had interaction with senior professors and residents regarding case management and further treatment plans.
2. She got exposed to treatment modalities like Ketogenic Diet in refractory epilepsy and the various challenges in diet therapy.
3. She is trained to use both conventional and newer antiepileptic drugs in the treatment of Epilepsy.
4. She is adequately trained to exercise necessary knowledge, attitude, and skill in the field of Clinical Epilepsy and Neurology.