

## **APSS Ganga Hospital Fellowship -2019**

### **Fellow:**

Dr. Tomohiro Banno

MD., PhD.

Assistant Professor, Department of Orthopaedic Surgery  
Hamamatsu University School of Medicine, Hamamatsu, Japan.

### **Period: 17th Oct to 1th Nov**

### **Host:**

Professor S. Rajasekaran.

M.S., DNB, F.R.C.S.[Ed],M.Ch[Liv.] ,F.R.C.S. [Eng],PhD

Chairman, Department of Orthopaedics and Spine Surgery

Ganga Hospital, Coimbatore, India

## **Introduction**

Firstly, I would like to appreciate the Asia Pacific Spine Society (APSS) for selecting me to visit Ganga Hospital for 3 weeks. Ganga hospital is well known as a big spine center of India as well as Asia Pacific region. I've always wanted to go to Ganga Hospital, thus I felt very happy to receive the acceptance letter from the APSS committee. This is a great opportunity to observe many spine cases, interacting host doctors as well as to experience the medical care and culture of other country. Special thanks to the executive Mr. Maxime Lemaire, APSS, and the secretary Mr. Mohan, Ganga Hospital for arranging my fellowship schedule and all the previous formalities.

## **Fellowship program**

At first, my flight was scheduled on Oct 13, but unfortunately suspended due to a big typhoon hitting Japan. I began my journey from Oct 16 from Narita Airport at 11:20 a.m. via Singapore and reached Coimbatore at 11:45 p.m. Even in the middle of the night, driver of Ganga Hospital picked me up and safely dropped me at the guest house.

Next day morning Dr. Dilip Chand Raja Soundarajan and spine fellow Dr. Ayush Sharma picked me up from the guest house to the hospital. After eating breakfast with them, I met Prof. S Rajasekaran at his room. After greeting, we went to operation theater and I observed many spine surgeries in a day.

Though the guest house environment was good, it was far from hospital and strange for foreign fellows, thus Prof. recommended me to change to the nearby hotel, Ananya's Nest. After operation, Dr Dilip took me to the hotel. This hotel was also excellent and located near hospital (15 min. walking). The hotel people were very kind and helped me a lot.

I was so surprised by the number of spine surgeries. There were many severe spinal trauma cases I had hardly ever seen in my country. During this period, I experienced many kinds of spine surgeries such as endoscopic discectomy, spinal deformity correction, spinal cord tumor resection, and OPLL as well as common surgeries. I was pleased to have an opportunity to scrub in and assist the surgery. Despite seeing many cases, trying to safely use intraoperative CT navigation and neuromonitoring left me a strong impression.

Prof. S Rajasekaran, Dr. Ajoy Prasad Shetty, Dr. Rishi Mugesh Kanna, and other spine doctors were very kind to me and taught me a lot. I also feel gratitude to the operation theatre staff for their kind support.

On 20<sup>th</sup> Oct, Dr. Dilip took me to the Isha Yoga Center. It is located in an agricultural area filled with natural beauty, 30 km away from the urban area of Coimbatore. There was a big Shiva statue and I experienced Hindu praying, mediation, and dipping in energy pools.

On 27<sup>th</sup> Oct., Indian biggest festival “Diwali” was held. During the entire day, a lot of firecrackers and fireworks were set off to create a fun and lively atmosphere. Prof. invited me with residents to home party and we got to interact with his family. I would like to express my sincere gratitude for their warm hospitality and delicious breakfast.

On 29<sup>th</sup> Oct, I had a chance to do a presentation about my research for 30 min. in spine conference from 7:00 a.m. I felt very happy to share the valuable time for active discussion with many spine surgeons.

### **Conclusion**

Even within a limited time, I was able to touch with Indian cultures and history as well as medicine. Moreover, I could communicate and discuss about medical environment of each country and clinical research for spine field with Indian doctors. I would like to keep in touch with them from now on.

Finally, I really extend my appreciation to APSS, Prof S Rajasekaran, and other medical staff at Ganga Hospital for accepting me.

## Spine log

no	date	diagnosis	surgery	surgeon	role
1	Oct. 17	T11 pseudoarthrosis	posterior corrective fusion (T8-12)	Dr. Ajoy	observer
2		spondylolisthesis	TLIF (L4/5)	Dr. Ajoy	observer
3		OPLL myelopathy	posterior decompression and fusion (C2-5)	Dr. Ajoy	observer
4		spondylolisthesis	TLIF (L4/5 )	Dr. Rishi	observer
5		cervical spinal cord injury	C5/6 anterior fusion	Dr. Ajoy	observer
6	Oct. 18	L5/S disc herniation	MED	Dr. Rishi	observer
7		L5/S disc herniation	MED	Dr. Ajoy	observer
8		L4/S disc herniation	MED	Dr. Rishi	observer
9		L4/5, L5/S disc herniation	MED	Dr. Ajoy	observer
10		L4/S disc herniation	MED	Dr. Rishi	observer
11		L4/S disc herniation	MED	Dr. Ajoy	observer
12		Sacrum chondrosarcoma	wide resection	Dr. Rajasekaran	observer
13	Oct. 19	AIS	PCF (T4-L2)	Dr. Ajoy	assistant
14		Burst fracture (L1)	posterior fusion	Dr. Rishi	observer
15		L4/5 disc herniation	micro LOVE	Dr. Ajoy	observer
16		sacral fracture	lumbo-pelvic fusion	Dr. Ajoy	observer
17	Oct. 21	congenital scoliosis	hemivertebra resection, PCF(T5- L3)	Dr. Rajasekaran	assistant

18		OLF (T10/11)	posterior decompression and fusion	Dr. Rajasekaran	observer
19		vertebral fracture (T12)	vertebroplasty	Dr. Rishi	observer
20		L4/5 disc herniation	micro LOVE	Dr. Rishi	observer
21		Burst fracture (L1)	posterior fusion	Dr. Rishi	observer
22	Oct. 22	spondylolisthesis	L4/5 TLIF (open)	Dr. Rishi	observer
23		Burst fracture (L1)	posterior fusion	Dr. Rishi	observer
24		Burst fracture (L1)	posterior fusion	Dr. Rishi	observer
25		spondylolisthesis	L4/5 TLIF (open)	Dr. Rishi	observer
26	Oct. 23	rod fracture	rod replacement	Dr. Ajoy	observer
27		degenerative kyphoscoliosis	posterior corrective fusion (T11-iliac)	Dr. Rishi	observer
28		cervical OPLL	ACDF (C4-7)	Dr. Ajoy	observer
29	Oct. 24	vertebral fracture (L1)	posterior fusion	Dr. Ajoy	observer
30		cervical OPLL	ACDF (C4-7)	Dr. Ajoy	observer
31		cervical spondylitis	posterior fusion (C4-T3)	Dr. Ajoy	assistant
32	Oct. 25	canal stenosis with instability	PLIF (L3/4/5)	Dr. Ajoy	observer
33		CSM	ACDF (C5/6, 6/7)	Dr. Ajoy	observer
34		cervical OPLL	posterior decompression and fusion (C2-6)	Dr. Ajoy	assistant
35	Oct. 26	L5/S disc herniation	MED	Dr. Ajoy	observer
36		thoracic discitis	Posterior decompression and fusion	Dr. Ajoy	observer

37		CSM	ACDF(C6/7)	Dr. Ajoy	observer
38	Oct. 28	spinal cord tumor (meningioma)	tumor resection	Dr. Rajasekaran	observer
39		CSM	ACDF(C4/5)	Dr. Rajasekaran	observer
40		vertebral tumor	tumor resection (anterior approach)	Dr. Rajasekaran	observer
41		lumbar canal stenosis	decompression (L2/3/4/5)	Dr. Rajasekaran	observer
42	Oct. 29	spondylolisthesis	TLIF (L4/5 )	Dr. Rishi	observer
43		CSM	ACDF (C5-7)	Dr. Rishi	observer
44		CSM	ACDF (C5/6)	Dr. Rishi	observer
45	Oct. 30	congenital scoliosis	hemivertebra resection, PCF(T4-L4)	Dr. Rajasekaran	observer
46		spondylolisthesis	TLIF (L4/5)	Dr. Ajoy	observer
47		proximal junctional failure	extension	Dr. Rishi	observer
48		spondylolisthesis	TLIF (L4/5/S)	Dr. Ajoy	observer
49		L5/S disc herniation	micro LOVE	Dr. Ajoy	observer
50		CSM	ACDF (C4/5)	Dr. Ajoy	observer
51		cervical spinal cord injury	ACDF	Dr. Rishi	observer
52		cervical spinal cord injury	anterior posterior fusion	Dr. Ajoy	observer
53	Oct. 31	spondylolisthesis	TLIF (L3/4/5 )	Dr. Rishi	observer
54		vertebral fracture (T12)	posterior fusion	Dr. Rishi	observer
55		L4/5 disc herniation	micro LOVE	Dr. Ajoy	observer
56		C5 metastasis	anterior posterior fusion	Dr. Ajoy	observer
57	Nov. 1	ankylosing spondylitis	posterior corrective fusion (T4-IL)	Dr. Rajasekaran	observer

58		vertebral fracture (T11)	posterior fusion	Dr. Ajoy	observer
59		vascular invagination	O-C4fusion	Dr. Rajasekaran	observer

Pic.1 Ganga hospital



Pic. 2 Neuromonitor and intraoperative CT navigation



Pic. 3 Isha Yoga Center



Pic. 4 Spine conference with doctors





Fig. 5 Home party at Prof. residence

