

APSS Ganga Hospital Fellowship -2019

Fellow: Dr Mohammad Abdul Hannan

APSS Ganga Hospital Fellow

Ganga Hospita, Coimbatore,Tamilnadu, India.

Period: 24th May to 15th June

Host: Prof S Rajasekaran, Ph.D.

- Chairman,Dept of Orthopaedic & Spine Surgery, Ganga Hospital*
- *Chair , AOSpine International Board*
- *Past President, SICOT*
- *Past Chair, AOSpine International Research Commission*
- *Past President, CSRS AP*
- *Adjunct Professor, Tamilnadu Dr MGR Medical University.*
- *Hunterian Professor, Royal College of Surgeons of England,2011-12*
- *Past President, Indian Orthopaedic Association*
- *Past President, Association of Spine Surgeons of India*
- *Past President, ISSLS, Canada*

Introduction:

The APSS Ganga Hospital Clinical Fellowship is an excellent Opportunity for Spine surgeons in the Asia Pacific Region. First of all I would like to thank the Asia Pacific Spine Society (APSS) and Ganga Hospital for selecting me to go on this prestigious fellowship to Ganga Hospital, Coimbatore, TamilNadu, India from 24th May, 2019 to 15th June, 2019. My fellowship schedule and all the previous formalities were very nicely arranged by APSS/GANGA. Special thanks to the executive Maxime Lemaire, APSS, & GANGA Hospital for arranging such a hassle free fellowship .This is a great opportunity to interact and observe in a spine center with lot of cases. Also being in the early stage of my carrier as a spine surgeon it presented to me a very good chance to know the newer avenues and learn from the masters from the field of spine.

Getting an opportunity to work and learn different ideas and techniques at one the most reputed institution in Asia Pacific Region was once in a lifetime opportunity for me.

Fellowship program:

I Started My journey from Hazrat Sahjalal International Airport, Dhaka by Regent Airways at 10.30 am Via

Kolkata and Reached at Coimbatore at 7pm by Indigo Airway. Driver of Ganga Hospital received me and safely Drop at Ganga hospital guest House named CPC Hostel on 23rd MAY.

On 27th morning at 6.40 am I went to Hospital by bus. Then I go to Operation theatre and meet with my Mentor Prof S Rajasekaran Sir. Then I have observed a lot of Surgery in a day. Sir introduces me with other consultant and fellows. After that regularly I start my journey at 6.30am from guest house by bus and entered at operation theatre at around 7 am. Hospital is 3 km away from the Guest house. Guest House environment is excellent. All staffs are very much co-operative. Guest House is secured. I took my breakfast and lunch from Hospital canteen. Foods of the Hospital canteen is healthy.

Ganga Hospital Operative Course: 24-26 May. After arrived at Coimbatore on 23.5.2019. I communicate with Mr Mohan, secretary of Prof. Rajasekaran sir and he asked me to attend the Operative course on 24.05.2019 at 7am. It was an excellent Operative Course .I have Enjoyed all the Live Surgery. Faculty from the Australia, Germany and Renowned Surgeons from all Over the India Operated all the cases.

Conclusion: The Aim of the APSS to develop the The Spine Surgeons from the Asia pacific Region. I am so lucky that I have been selected for this Fellowship. Heartiest Thanks to APSS for Selecting me for this Fellowship.

Ganga Hospital is an Excellent Center in India. It is an 550 Bedded Hospital, always full with the patient. It is very difficult to say it is an Private Hospital but patient flow seems to be more than Government Hospital. My Mentor was world Famous Spine Surgeon. He is very Enthusiastic to teach us. Other Spine Surgeon Dr Ajoy Prasad Setty Sir and Dr Rishi Muges Kanna Sir was very also very Enthusiastic and Co-Operative. All the Operation theatre Staff was very Co-Operative to us during the Staying period. Thank everybody for nice Co-operation. Bangladesh is an Developing country. Spine surgeries just developing in Bangladesh for last few years. Our people are Poor, they have no capacity spent a lot of money for their Spinal Treatment. If APSS gives a special attention to Bangladesh for developing the surgeons ,then our people will able to take treatment from our country. It was impossible for me to take training from the Ganga Hospital without the help of APSS.

Finally I am pay my thanks and Honour to APSS, Prof S Rajasekaran sir and all surgeons of Ganga Hospital and all staff of Ganga Hospital. I pay my thanks to Bangladesh Spine Society for Co-Operating me in every step.

Log-Book (27.05.19-15.06.19)

| Sl. no | Date | Diagnosis | Name of Operation | Surgeons Name | Role | Remarks |
|--------|----------|--|--|-----------------------|----------|---|
| 1 | 27.05.19 | ACM type -1 with syringomyelia | Foramen magnum decompression | Prof S Rajasekaron | Observer | First time I have Seen FM decompression |
| 2 | | ACM type -1 with syringomyelia & grade 2 myelopathy | Foramen magnum decompression | Prof S Rajasekaron | Observer | |
| 3 | | C6-C7 Disk osteophyte complex with Nurick 111 myelopathy | C6-C7 ACDF + plating | Prof S Rajasekaron | Observer | |
| 4 | | L4-L5 Disc prolapse with right sided radiculopathy | L4-L5 decompression & disectomy | Dr Rishi Mugesh Kanna | Observer | |
| 5 | | L4-L5 recurrent disc extrusion with B/L radiculopathy, pseudomeningocele, neurodeficit | Re-exploration + dural repair/lumber drain | Dr Rishi Mugesh Kanna | Observer | |
| | 28.05.19 | | | | | |
| 6 | | Degenerative scoliosis with left radiculopathy | L3-L5 posterior instrumented stabilization & decompression | Dr Rishi Mugesh Kanna | Observer | |

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| 7 | | L5-S1 grade 2 lytic listhesis | posterior instrumented stabilization +/-L5-S1 decompression | Dr Rishi Mugesh Kanna | Assisted | |
| 8 | | C5-C6 type C injury, RT perched facet, left facet fracture, C4 lamina fracture | C5-C6 ACDF +anterior plating | Prof S Rajasekaron | Observer | |
| 9 | | C4-C5 facet fracture with perched facet | C4-C5 ACDF | Dr Rishi Mugesh Kanna | Observer | |
| 10 | | L2 AO type A-3 injury with normal neurology, left distal tibia & calcaneum fracture | posterior instrumented stabilization | Prof S Rajasekaron | Observer | |
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| | 29.05 19 | | | | | |
| 11 | | Right thoracic & left lumbar adolescent idiopathic scoliosis | L-L4 posterior instrumented deformity correction & fusion +costectomy | Dr Ajoy Prasad Shetty | Observer | |
| 12 | | Right lumbar & left thoracic scoliosis: | L3 posterior instrumented deformity correction & fusion | Dr Ajoy Prasad Shetty | Assisted | |
| 13 | | L4-5 disc extrusion bilateral radiculopathy | L4-5 microdecompression & disectomy | Prof S Rajasekaron | Observer | |
| 14 | | Congenital right thoracic left cervicothoracic kyphoscoliosis | T7-T10 hemivertebra | Prof S Rajasekaran | Observer | |

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|----|----------|--|--|-----------------------|----------|
| 15 | | L4-L5 grade-2 lytic listhesis with bilateral radiculopathy | L4-L5 Fusion | Dr Ajoy Prasad Shetty | Observer |
| 16 | | L4-L5 disc extrusion with left radiculopathy | L4-L5 microdisectomy | Dr Ajoy Prasad Shetty | Observer |
| 17 | | Hangmans fracture with normal neurology | C2-3 ACDF | Dr Ajoy Prasad Shetty | Observer |
| 18 | | T12-L2 infective spondylodiscitis | posterior instrumented debridement stabilization & | Dr APS | Observer |
| 19 | 30.05.19 | L2-L3 disc prolapsed with B/L Radiculopathy | L2-L3 Decompression & disectomy | Dr Ajoy Prasad Shetty | Observer |
| 20 | | T1-3 spondylodicitis with T2 collapse& neurodeficit | posterior instrumented decompression & biopsy | Dr Ajoy Prasad Shetty | Assisted |
| 21 | | C4-5 type C injury with ASIA A neurology | posterior instrumented stabilization | Dr Ajoy Prasad Shetty | Observer |
| 22 | | C5-6 type C injury | C5-6 ACDF | Dr Ajoy Prasad Shetty | Observer |
| 23 | | C5-6 Disc prolapse with right radiculopathy | C5-6 ACDF | Prof S Rajasekaron | Observer |
| 24 | | S1 hemivertebra, right lumbar scoliosisLy | S1 hemivertebra excision &L4 pelvis | Dr Ajoy Prasad Shetty | Observer |

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|----|-----------------|---|---|-----------------------|----------|--|
| 25 | | Early onset right thoracic scoliosis | Growth rod application & distraction | Dr Rishi Mugesh Kanna | Observer | |
| 26 | | C4-5, C5-6, C6-7 DOC, nurick III myelopathy | C4-5, C5-6, C6-7 ACDF + plating | Dr Rishi Mugesh Kanna | Observer | |
| 27 | | L5,S1 grade-2 lytic listhesis stenosis with B/L Radiculopathy | L5,S1 Fusion | Dr Rishi Mugesh Kanna | Observer | |
| 28 | | L3-4,L4-5 discogenic stenosis with left Radiculopathy With left foot drpo | L3,L5 decompression & disectomy | Prof S Rajasekaron | Assisted | |
| | 31.05.19 | | | | | |
| 29 | | C2,C6 Disk osteophyte complex with Nurick II myelopathy, L4-5 left foraminal stenosis | C2,C6n posterior instrumented laminectomy | Prof S Rajasekaron | Observer | |
| 30 | | C2,C5 opl with cervical myelopathy nurick III | C2,C7 posterior instrumented laminectomy | Prof S Rajasekaron | Observer | |
| 31 | | Type 2 odontoid fracture | posterior instrumented stabilization | Dr Rishi Mugesh Kanna | Observer | |
| 32 | | Tandem stenosis T11-12, OLF, L3-5 stenosis with B/L Radiculopathy | T11,T12 instrumented laminectomy +L3,L5 decompression | Dr Rishi Mugesh Kanna | Observer | |
| 33 | | C3-7, Disk osteophyte complex with Nurick III myelopathy | C3-6 laminectomy+C7 undercutting | Dr Rishi Mugesh Kanna | Observer | |

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| 34 | | L4-5 degenerative listhesis Gd -1 & stenosis with B/L Radiculopathy | L4-L5 decompression & Fusion | Dr Rishi Mugesh Kanna | Observer | |
| 35 | | L4-L5 disc extrusion with right radiculopathy | L4-5 microdisectomy | Dr Rishi Mugesh Kanna | Observer | |
| | 1.06.19 | | | | | |
| 36 | | AIS with marfanoid | Post. Instrumented correction | Prof SR | Observer | |
| 37 | | Congenital thoracic scoliosis with neurological deficit. | Deformity correction with decompression | Prof S Rajasekaron | Observer | |
| 38 | | L5-S1 Disc prolapsed | Microdisectomy | Dr RMK | Observer | |
| 39 | | Tandem stenosis at C6-C7 and L4-L5) | ACDF | Dr Ajoy Prasad Shetty | Assisted | |
| 40 | | L4_L5 Disc prolapsed | Microdisectomy | Dr Ajoy Prasad Shetty | Observer | |
| 41 | | L2-L3 Disc prolapsed | Decompression and disectomy | Dr Ajoy Prasad Shetty | Observer | |
| 42 | | L4_L5 Lytic listhesis | L4-L5 fusion | Dr Ajoy Prasad Shetty | Observer | |

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| 43 | | L4-L5 recurrent disc prolapsed | Discectomy and fusion | Dr Ajoy Prasad Shetty | Observer | |
| 44 | | C3-C5 disc Cervical prolapsed with laminectomy sign of myelopathy With focal OPLL | ACDF | Dr Ajoy Prasad Shetty | Observer | |
| 45 | | L3-L4 disc prolapsed | Decompression | Dr Ajoy Prasad Shetty | Observer | |
| 46 | | L3_4 Facetal stenosis | Decompression | Dr Rishi Mugesh Kanna | Observer | |
| 47 | | L5-S1 Disc prolapsed | Microdisectomy | Dr Rishi Mugesh Kanna | Observer | |
| | 03.06.19 | | | | | |
| 48 | | Intradural tumour | Excision | Prof S Rajasekaron | Observer | |
| 49 | | Rec PLID L4-L5 | L4-5 fusion | Dr RMK | Observer | |
| 50 | | C1-2 arthritis | INJ steroid | Dr RMK | Assisted | |
| 51 | | L2 mets | Stabilization & biopsy | Dr RMK | Observer | |
| 52 | | C5-6 DOC | ACDF | Dr RMK | Observer | |

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| 53 | | LCS L4-5 | DECOMPRESSION | DR RMK | Assisted | |
| | 04.06.19 | | | | | |
| 54 | | COMP.# T6-7 | STABILIZATION | Dr RMK | Assisted | |
| 55 | | L1-3 DISCITIS | STABILIZATION | Dr RMK | Observer | |
| 56 | | CES L4-5 | L4-L5 microdiscectomy | Dr RMK | Observer | |
| 57 | | LISTHESIS L5-S1 | FUSION | DR RMK | Observer | |
| 58 | | T6-7 # WITH ASIA A | T4-T9 posterior instrumented deformity correction and fusion | DR RMK | Observer | |
| 59 | | L2-4 stenosis with Rt Radiculopathy(Stat us L3-L5 decompression 2002) | L2-4 decompression and fusion | Dr RMK | Observer | |
| 60 | | L1 Burst fracture ASIA –D | Posterior instrumented decompression | Dr Ajoy Prasad Shetty | Observer | |

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| 61 | | Osteolytic lesion L5 vertebra | Biopsy | Dr Ajoy Prasad Shetty | Observer | |
| | 05.06.19 | | | | | |
| 62 | | Disc prolapsed at L4-L5 with Right sided Radiculopathy | Microdiscectomy | Dr Ajoy Prasad Shetty | Observer | |
| 63 | | Disc prolapse at L5-S1 with left Radiculopathy | L5-S1 Microdiscectomy | Dr Ajoy Prasad Shetty | Observer | |
| 64 | | Spinal canal stenosis due to disc prolapsed L3- L5 | L3-L5 decompression | Dr Ajoy Prasad Shetty | Observer | |
| 65 | | Microsurgery Lab | =Laminectomy+Dur otomy and Repair+Pedicle instrumentation L4-L5 fusion | | | |
| 66 | | Lytic listhesis at L4-L5 | | Dr Ajoy Prasad Shetty | Assiste d | |
| 67 | | Lytic lisyhesis at L5-S1 G-2 | L5-S1 Fusion | Dr Ajoy Prasad Shetty | Observer | |
| | 06.06.19 | | | | | |
| 68 | | Idiopathic Thoracolumbar Scoliosis with Normal neurology | Deformity Correction | Prof S Rajasekaron | Assiste d | |
| 69 | | Infective Spondylodiscitis with Implant in Situ with Modic Change | Debridement with Biopsy(NGS) | Prof S Rajasekaron | Observer | |

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| 70 | | Post Traumatic cervical Cord Contusion ASIA -A | Cervical Laminectomy C3-C6 | Dr Rishi Mugesh Kanna | Observer | |
| | 07.06.19 | | | | | |
| 71 | | L4-L5,L5-S1 canal stenosis with bilateral Radiculopathy(Rt> Lt) | L4-S1 decompression | Dr Rishi Mugesh Kanna | Observer | |
| 72 | | L4-L5 G-1 Degenerative listhesis with Bilateral Radiculopathy L4-L5 Stenosis | L4-L5 Fusion | Dr Rishi Mugesh Kanna | Observer | |
| 73 | | with Bilateral Radiculopathy with Diabetic Neuropathy | L4-L5 Decompression | Dr Rishi Mugesh Kanna | Observer | |
| | 08.06.19 | | | | | |
| 74 | | L3-L4 Stenosis with instability.Status Cervical Instrumented Laminectomy 22/06/16 Lumbar Spinal | L3-L5 Decompression and fusaion | Dr Ajoy Prasad Shetty | Observer | |
| 75 | | Canal Stenosis With Bil Radiculopathy L4-L5 Disc | L2-S1 Fusion | Dr Ajoy Prasad Shetty | Observer | |
| 76 | | Extrusion with Left Radiculopathy | L4-L5 Microdisectomy | Dr Ajoy Prasad Shetty | Observer | |
| 77 | | C3-C6 OPLL with Compressive Myelopathy Nurick 4 | C3-C6 Posterior Instrumented Laminectomy | Dr Ajoy Prasad Shetty | Assisted | |

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| 78 | | Tandem Stenosis;Asymptomatic C3-C6,L4-L5 discogenic stenosis with Bil Radiculopathy | L4-L5 Decompression | Dr Ajoy Prasad Setty | Observer | |
| 79 | | Sacral Chordoma with Neurodeficit | Excision of total Sacrum with tumor by both Anterior and posterior Approach and Biopsy with Posterior Instrumented Stabilization,Spino Pelvic Fixation. L4-L5 | Prof S Rajasekaron, Prof Sadashivam, Dr Ajoy Prasad Setty | Observer | |
| 80 | | L4-L5 Disc extrusion with Left Radiculopathy | Microdisectomy | Dr Rishi Mugesh Kanna | Observer | |
| 81 | | L4-L5 Degenerative Listhesis with Bilateral Radiculopathy | L4-L5 Decompression and Fusion | Dr Rishi Mugesh Kanna | Observer | |
| 82 | | L4-L5,L5-S1 G-1 Listhesis with Stenosis | L4-L5,L5-S1 Decompression and Fusion. | Dr Rishi Mugesh Kanna | Observer | |
| 83 | | United Odontoid fracture with Implant in Situ Status:C1-C2 Posterior Instrumentation 17/09/15 | Implant Removal | Dr Rishi Mugesh Kanna | Observer | |
| | 10.06.19 | | | | | |
| 84 | | Adolescent Idiopathic Right Thoracic Scoliosis with Normal neurology | T4-L3 Posterior Instrumented Deformity Correction and Fusion | Dr Ajoy Prasad Shetty | Observer | |

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| 85 | | Neuromuscular Lumbar Hyperlordosis L1 Compression fracture(pseudoarthrosis) | T4-Ilium Posterior Instrumented Deformity Correction and Fusion | Dr Ajoy Prasad Shetty | Observer | |
| 86 | | Extradural Tumor at D1 level with neurodeficit | Posterior instrumented Decompression and L1 vertebroplasty | Dr Ajoy Prasad Shetty | Observer | |
| 87 | | intradural tumour | Posterior Instrumented Excision of Tumor | Dr Ajoy Prasad Shetty | Observer | |
| 88 | | L4-L5 Disc extrusion with Right Radiculopathy | L4-L5 Microdiscectomy | Dr Ajoy Prasad Shetty | Observer | |
| 89 | | L2 Intradural Extramedullary tumor with Neurodeficit | Excision of Tumor | Dr Ajoy Prasad Shetty | Observer | |
| 90 | | L4-L5 Lytic Listhesis G-2 | L4-L5 Fusion | Dr Rishi Mugesh Kanna | Observer | |
| 91 | | L4-L5,L5-S1 Canal stenosis | L4-L5,L5-S1 Decompression | Dr Rishi Mugesh Kanna | Observer | |
| 92 | | Degenerative Lumbar scoliosis,Lumbarised S1,L3-S1 Stenosis,Bilateral Radiculopathy,Type 2 modic change at L4-L5 | L3-S1 Decompression and fusion, | Dr Rishi Mugesh Kanna | | |
| 93 | | L5 Collapse ,L5-S1 Spondylodiscitis | Debridement,Biopsy, L4-S1 Fusion | Dr Rishi Mugesh Kanna | | |
| | 11.06.19 | | | | | |

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| 94 | | L4-L5 Lytic listhesis G-2 | L4-L5 Fusion | Dr Ajoy Prasad Shetty | Observer | |
| 95 | | Adolescent Idiopathic Thoracic Scoliosis with Normal neurology | T4-L3 Posterior Instrumented Deformity Correction and Fusion | Dr Ajoy Prasad Shetty | Observer | |

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| 96 | 12.06.19 | PID C4-5 | ACDF | DR APS | Observer | |
| 97 | | DOC C6-7 | Post instrumented laminectomy | DR RMK | Assisted | |
| 98 | 13.06.19 | AIS Lenke 3 | Post instrumented correction & fusion | Dr APS | Assisted | |
| 99 | | AIS Lenke 5 | Post instrumented correction & fusion | Dr APS | Observer | |
| 100 | 14.06.19 | AIS with hemivertebra | Post instrumented correction & fusion | Dr APS | Observer | |
| 101 | | T 9-10 OLF | Post instrumented decompression & fusion | Dr APS | Observer | |
| 102 | | T2-3 OLF with ASIA a | Post instrumented decompression & fusion | Dr APS | Observer | |
| 103 | 15.06.19 | Listhesis L4-5 | L4-5 fusion | DR RMK | Observer | |