

APSS MEDTRONIC FELLOWSHIP 2021

Duration: **April 01, 2021–June 30, 2021**

Fellow: Dr. Md. Faridul Islam MBBS, MS-Orthopaedic Surgery, PhD (Spine Surgery), FICS (Orthopaedics), AOA Fellow- Switzerland, APSS Fellow-Bangladesh, APSS operative course- Dhaka & Mumbai, AO Advanced level Operative Course –Delhi, AO cadaver Course- Delhi, APSS cadaver course – Mumbai, AO Spine Principal Course- Colombo, Sri Lanka, AO geriatric Spine course –kolkata, India , AO Trauma Basic Course –Jakarta, Indonesia, AO- Foot & Ankle Course Dhaka, AO Spine Symposium – Dhaka, Registrar of Orthopaedic Surgery, Abdul Malek Ukil Medical College hospital, Noakhali, Bangladesh.

Host spine center:

Bangladesh Spine & Orthopaedic Hospital, Dhaka Bangladesh.



Host spine surgeons:

Professor Dr. Md. Shah Alam

MBBS, FCPS (Surgery)

MS (Orthopaedics)

FRCS(Orthopaedics)

FRCS (Edin),

FRCS (Glasgow)





Introduction: The APSS Medtronic Spine Fellowship Program is well-known to develop enthusiastic spine fellows by providing surgical exposure and training in excellent spine centers of Asia Pacific region. I was so much excited when I got the information of the acceptance for this fellowship at Keio University, Japan. But my fellowship was uncertain because of the pandemic Covid 19 situation. In the meantime, APSS offered me to complete my fellowship at Bangladesh Spine and Orthopedic Hospital under prof. Dr. Md. Shah Alam. I was fascinated by the speeches of Professor Shah Alam at various conferences but I did not have much opportunity to work with him. I feel lucky to have APSS give me the opportunity to work with him because of Pandemic Covid 19 situation. My fellowship schedule and all the previous formalities were very nicely arranged by APSS. It will be very much less if I only give

thanks to APSS. So, I would like to express my heartiest gratitude to the APSS for arranging such a hassle free fellowship for me and giving the opportunity to acquire some knowledge and exposed myself in the field of spine & Orthopaedic surgery. Though my fellowship on spine surgery, as it is spine & Orthopaedic Hospital and my mentor is a spine & Orthopaedic Surgeon I am lucky enough to participate and gathered some knowledge in the field of Spine & Orthopaedic surgery.

DAILY WORK PLAN

Saturday	Word Round
Sunday	Word round, OPD, Clinical Discussion & Operation
Monday	Word round, OPD, Clinical Discussion & Operation
Tuesday	Word round, OPD, Clinical Discussion & Operation
Wednesday	Word round, OPD, Clinical Discussion & Operation
Thursday	Word round, OPD, Clinical Discussion & Operation
Friday	Weekend

Logbook of spine surgeries observed & assisted in Bangladesgh Spine and Orthopaedic Hospital, Dhaka, Bangladesh (01 April 2021 –30 June 2021)

No	Date	Age/ Sex	Diagnosis	Procedure	Surgeon	Role	Remark
1.	05 April	31/F	Post traumatic fracture-dislocation with sp.canala stenosis (C4-5,&c5-6)	ACDF	Prof. Dr. Shah Alam	Assistant	Complete Recovery
2	05 April	52/F	Burst Fracture with neurological deficit , Asia-c	Posterior Decompression & Fixation with Pdicular screws	Prof. Dr. Shah Alam	Assistant	ASIA-D

				& rod			
3	05 April	M/45	Burst Fracture D11 with neurological Deficit , Asia-B with extra dural tumour at D10-11 level	Posterior Decompression & Fixation with Pedicular screws & rod , removal of tumour	Prof. Dr. Shah Alam	Assistant	H/P- Non hodgekin lymphoma
4	06 April	40/F	Spinal canal Stenosis L4-5,& L5/S1	Decopression by lami nectomy & discectomy	Prof. Dr. Shah Alam	Assistan	Complete recovery
5	07 April	M/32	Post tubercular kypotic deformity (D5-7)	Correction of deformity by PSO & stabilization by pedicle screws & rods	Prof. Dr. Md. Shah Alam	Observation	
6	07 April	M/50	Burst fracture L1 with neurological deficit, Asia -C	Decompression & Stabilization with pedicular screws & rods	Prof. Dr. Md. Shah Alam	Observation	
8	07 April	18/M	Scoliosis(D4-L3, Rt.)	Scoliosis correction with pedicle screws & rods	Prof. Dr. Md. Shah Alam	Assistant	
9	08 April	46/F	Burst Fracture L3 with Neurological deficit , ASIA -C	Decompression & Stabilization with pedicular screws & rods	Prof. Dr. Md. Shah Alam	Assistant	ASIA-D
10	12 April	30/M	PLID(L5/S1)	F&D	Prof. Dr. Md. Shah Alam	Assistant	
11	12 April	40/F	TB Spine (D2-3) ASIA-C	Decompression with corpectomy, Stabilization with mesh casge,Rods &screws	Prof. Dr. Md. Shah Alam	Assistant	
12	12 April	35/M	PLID (L4-5)	F&D	Prof. Dr. Md. Shah Alam	Assistant	

13	13 April	35/M	Spinal Tumour involving D8 ASIA-B	Decompression with corpectomy, Stabilization with mesh cage, Rods & screws	Prof. Dr. Md. Shah Alam	Assistant	ASIA-D, but H/P: Poorly differentiated metastatic Malignancy
14	13 April	35/M	Hodgkin lymphoma involving L1	Decompression with corpectomy, Stabilization with mesh cage, Rods & screws	Prof. Dr. Md. Shah Alam	Observation	
15	14 April	38/M	PLID L4-5	Laminotomy & discectomy	Prof. Dr. Md. Shah Alam	Assistant	
16	14 April	38/M	Fracture dislocation C6-7, ASIA-B	ACDF	Prof. Dr. Md. Shah Alam	Assistant	
17	18 April	13/F	PLID (L4-5) with sequestered disc	Bilateral laminotomy with discectomy	Prof. Dr. Md. Shah Alam	Assistant	
18	18 April	48/M	PLID (L5-6, Lumberization) with rt. Sided radiculopathy	Fenestration & discectomy (rt.)	Prof. Dr. Md. Shah Alam	Observation	
19	18 April	19/M	Paraplegia due to cord compression at the level of D5 with skip lesion D9	VCR done @ L5 with interbody fusion by cylindrical cage and stabilization by pedicle screws & rods	Prof. Dr. Md. Shah Alam	Assistant	H/P: Non Hodgkin Lymphoma
20	20 April	20/M	Paraplegia due to fracture dislocation D12, Neurology ASIA-A	Decompression & Stabilization with Rods & Screws	Prof. Dr. Md. Shah Alam	Assistant	ASIA-B
21	24 April	30/M	Cauda equina syndrome with bowel-bladder involvement	Wide decompression & discectomy	Prof. Dr. Md. Shah Alam	Observation	
22	24 April	60/M	Suspected metastasis	Transpedicular biopsy taken for histopathology	Prof. Dr. Md. Shah Alam	Assistant	H/P: Poorly differentiated metastatic tumour

23	27 April	60/M	Cervical Spinal myelopathy with canal stenosis (C4-7)	Posterior decompression & Stabilization with Lateral mass screws (C4-7) & pedicle screws for C-7 & rods	Prof. Dr. Md. Shah Alam	Assistant	
24	02 May	30/M	Fracture dislocation C6-7 with complete cord injury	Anteriore decompression , reduction & fixation with tricortical bone graft ,plate and screws	Prof. Dr. Md. Shah Alam	Assistant	
25	04 May	42/F	PLID (L4-5)	F/D	Prof. Dr. Md. Shah Alam	Observation	
26	04 May	55/F	Lumbar Spinal Canal Stenosis (L3-S1)	Wide Decompression & fixation with TLIF, Screws & rods	Prof. Dr. Md. Shah Alam	Assistant	
27	05 May	45/M	PLID (L5/S1)Rt.	F/D	Prof. Dr. Md. Shah Alam	Assistant	
28	23 May	65/M	Burst Fracture L1 with neurological deficit (ASIA-B)	Decompression & Fixation with pedicular Screws & Rods	Prof. Dr. Md. Shah Alam	Assistant	
29	23 May	40/M	Burst fracture L2 With neurological deficit (ASIA-D)	Decompression & Fixation with pedicular Screws & Rods & repair of dural tear	Prof. Dr. Md. Shah Alam	Assistant	
30	23 May	23/M	Pott's disease (D9-10) with neurological deficit (ASIA-B) WITH H/O Short segment fixation elsewhere	Revision surgery with wide decompression and long segment fixation with pedicular screws & rods	Prof. Dr. Md. Shah Alam	Assistant	
31	23 May	35/M	PLID with bilateral sciatica (L4-5)	Fenestration and discectomy with ULBD	Prof. Dr. Md. Shah Alam	Assistant	
32	25 May	40/F	Cervical Canal stenosis C5-6,6-	ACDF With stand alone	Prof. Dr. Md. Shah	Assistant	

			7	cage	Alam		
33	25 May	57/F	Lumbar spinal canal stenosis L4-5	Decompression	Prof. Dr. Md. Shah Alam	Assistant	
34	25 May	19/M	Traumatic Fracture Dislocation D12/L1 with neurological deficit (ASIA-B)	Decompression & stabilization with pedicular screws & rods	Prof. Dr. Md. Shah Alam	Assistant	
35	26 May	35/M	Fracture dislocation C4/C5 with neurological deficit (ASIA-C)	ACDF	Prof. Dr. Md. Shah Alam	Assistant	
36	26 May	F/70	Lumbar spinal Canal Stenosis L4-5	Wide decompression with laminectomy & partial facetectomy	Prof. Dr. Md. Shah Alam	Assistant	
37	27 May	45/M	PLID (L4-5,L5/S1)	Laminotomy & discectomy	Prof. Dr. Md, Shah Alam	Observation	
38	27 May	45/M	PLID (L5/S1)	Discectomy ,fixation with pedicular screws, rods,& PLIF	Prof. Dr. Md. Shah Alam	Assistant	
39	30 May	55/M	LSCS L3-4,4-5,L5/S1	Wide decompression & fixation with pedicular screws, rods & cage	Prof. Dr. Md. Shah Alam	Assistant	
40	31 May 2021	60/M	LSCS (L4-5)	Wide decompression with laminectomy & discectomy	Prof. Dr. Md. Shah Alam	Assistant	
41	01 June	48/M	Fracture dislocation C2/C3 with neurological deficit (ASIA-D)	Reduction & fixation with with lateral mass screws for C3 and pedicular screws for C2 with rods	Prof. Dr. Md. Shah Alam	Assistant	
42	02 June	22/M	Burst fracture D12 & L1 with neurological deficit (ASIA-C)	Ecompression & fixation with pedicular screws & rods	Prof. Dr. Md. Shah Alam	Assistant	

43	02 June	35/M	PLID L4-5& L5/S1	Fenestration & discectomy	Prof. Dr. Md. Shah Alam	Assistant	
44	02 June	35/M	PLID L4-5	Laminotomy & discectomy	Prof. Dr. Md. Shah Alam	Assistant	
45	03 June	32/F	Listhesis L5/S1	Decompression & Fixation with PLIF, Screws & rods	Prof. Dr. Md. Shah Alam	Assistant	
46	06 June	46/F	Listhesis L4-5	Decompression & Fixation with PLIF, Screws & rods	Prof. Dr. Md. Shah Alam	Assistant	
47	06 June	30/M	Burst fracture D12	Decompression & Fixation with Screws & rods	Prof. Dr. Md. Shah Alam	Assistant	
48	06 June	30/M	PLID L4-5	Fenestration & discectomy	Prof. Dr. Md. Shah Alam	Assistant	
49	06 June	35/F	Retrolisthesis L3-4	Decompression & Fixation with PLIF, Screws & rods	Prof. Dr. Md. Shah Alam	Assistant	
50	07 June	36/F	PLID L5/S1	Fenestration & discectomy	Prof. Dr. Md. Shah Alam	Assistant	
51	08 June	50/M	PLID L4-5	Laminotomy & discectomy	Prof. Dr. Md. Shah Alam	Assistant	
52	08 June	20/M	Listhesis L3-4	Decompression & Fixation with PLIF, rods & screws	Prof. Dr. Md. Shah Alam	Assistant	
51	08 June	43/F	Burst fracture D1 with neurological deficit ,ASIA-C	Decompression & fixation with pedicles screws & rods	Prof. Dr. Md. Shah Alam	Assistant	
52	08 June	51/M	Metastatic lesion at D11 & L3	Pedicular biopsy	Prof. Dr. Md. Shah Alam	Assistant	
53	09 June	52/M	LSCS L4-5	Decompression & fixation with PLIF, Pedicles screws & rods	Prof. Dr. Md. Shah Alam	Assistant	
54	09 June	51/M	Ankylosing Spondylitis with	Wide Decompression	Prof. Dr. Md. Shah	Assistant	

			severe canal stenosis with foot drop (lt.)	& repair of dural tear with fscial patch	Alam		
55	09 June	30/M	Burst fracture L2 with neurological deficit ASIA-C	Wide decompression and fixation with pedicles screws & rods	Prof. Dr. Md. Shah Alam	Assistant	
56	10 June	40/F	Listhesis L4-5	Decompression & fixation with pedicles screws & rods	Prof. Dr. Md. Shah Alam	Assistant	
57	10 June	48/F	PLID L4-5	Fenestration & Discectomy	Prof. Dr. Md. Shah Alam	Assistant	
58	13 June	30/F	TB Spine (D9,L2,3,5)	Decompression & Fixation with rods, screws & PLIF	Prof. Dr. Md. Shah Alam	Assistant	
59	13 June	42/M	PLID (L4-5)	Fenestration & Discectomy	Prof. Dr. Md. Shah Alam	Assistant	
60	13 June	45/M	LSCS (l4-5)	Decompression & Fixation with rods, screws & PLIF	Prof. Dr. Md. Shah Alam	Assistant	
61	14 June	46/M	PLID (L4-5)	Fenestration & Discectomy	Prof. Dr. Md. Shah Alam	Assistant	
62	14 June	30/M	PLID (L4-5)	Fenestration & Discectomy	Prof. Dr. Md. Shah Alam	Assistant	
63	14 June	40/F	PLID (L4-5)	Fenestration & Discectomy	Prof. Dr. Md. Shah Alam	Assistant	
64	June 14	50/M	Fracture Dislocation (L4-5)	Decompression & Fixation with rods, screws	Prof. Dr. Md. Shah Alam	Assistant	
65	15 June	30/M	PLID (L4-5)	Fenestration & Discectomy	Prof. Dr. Md. Shah Alam	Assistant	
66	15 June	48/F	Listhesis (L4-5)	Decompression & Fixation with rods, screws & PLIF	Prof. Dr. Md. Shah Alam	Assistant	
67	15 June	63/F	Burst fracture D12 with neurological Deficit ASIA -C	Decompression & Fixation with rods, screws	Prof. Dr. Md. Shah Alam	Assistant	
68	16 June	45/F	Listhesis (L5/S1)	Decompression & Fixation with rods, screws &	Prof. Dr. Md. Shah Alam	Assistant	

				TLIF			
69	16 June	34/M	Cervical Stenosis (C4-7)with myelopathy	ACCF (C6) with cylindrical case,Plate & Screws	Prof. Dr. Md. Shah Alam	Assistant	
70	17 June	45/M	LSCS L4-S1	Decompression & Fixation with rods, screws & PLIF	Prof. Dr. Md. Shah Alam	Assistant	
71	20 June	44/M	PLID (L5/S1)	Fenestration & Discectomy	Prof. Dr. Md. Shah Alam	Assistant	
72	20 June	50/F	Listhesis (L5/S1)	Decompression & Fixation with rods, screws & PLIF	Prof. Dr. Md. Shah Alam	Assistant	
73	20 June	30/M	Burst fracture D12 with neurological deficit (ASIA-C)	Decompression & Fixation with rods, screws .	Prof. Dr. Md. Shah Alam	Assistant	
74	21 June	50/M	Burst fracture D12 with neurological deficit (ASIA-D)	Decompression & Fixation with rods, screws .	Prof. Dr. Md. Shah Alam	Assistant	
75	21 June	20/F	Burst fracture L3 with neurological deficit (ASIA-C)	Decompression & Fixation with rods, screws .	Prof. Dr. Md. Shah Alam	Assistant	
76	22 June	19/F	Burst fracture D12 with neurological deficit (ASIA-D)	Decompression & Fixation with rods, screws .	Prof. Dr. Md. Shah Alam	Assistant	
77	22 June	20/M	Burst fracture D12 with neurological deficit (ASIA-C)	Decompression & Fixation with rods, screws .	Prof. Dr. Md. Shah Alam	Assistant	
78	22 June	38/M	Burst fracture L1 with neurological deficit (ASIA-C)	Decompression & Fixation with rods, screws .	Prof. Dr. Md. Shah Alam	Assistant	
79	23 June	65/M	Burst fracture L3 with neurological deficit (ASIA-C)	Decompression & Fixation with rods, screws .	Prof. Dr. Md. Shah Alam	Assistant	
80	23 June	30/M	PLID (L5/S1)	Laminotomy & Discectomy	Prof. Dr. Md. Shah Alam	Assistant	
81	23 June	40/M	PLID (L5/S1)	Fenestration & Discectomy	Prof. Dr. Md. Shah Alam	Assiustanrt	
82	24 June	50/M	Burst fracture D12 with	Decompression & Fixation with	Prof. Dr. Md. Shah	Assistant	

			neurological deficit (ASIA-C)	rods, screws .	Alam		
83	24 June	34/M	PLID (L5/S1) with segmental instability	Decompression & Fixation with rods, screws .	Prof. Dr. Md. Shah Alam	Assistant	
84	27 June	38/F	PLID (L4-4)	Fenestration & Discectomy	Prof. Dr. Md. Shah Alam	Assistant	
85	27 June	65/M	Listhesis L4-5	Decompression & Fixation with rods, screws & PLIF	Prof. Dr. Md. Shah Alam	Assistant	
86	27 June	25/F	PLID L-5,L5/S1	Fenestration & Discectomy	Prof. Dr. Md. Shah Alam	Assistant	
87	27 June	47/F	LSCS (L2-S1)	Decompression & Fixation with rods, screws & PLIF	Prof. Dr. Md. Shah Alam	Assistant	
88	27 June	18/M	PLID(L4-5)	Fenestration & Discectomy	Prof. Dr. Md. Shah Alam	Observation	
89	28 June	65/M	Listhesis L4-5	Decompression & Fixation with rods, screws & TLIF	Prof. Dr. Md. Shah Alam	Assistant	
90	28 June	45/M	PLID(L4-5)	Fenestration & Discectomy	Prof. Dr. Md. Shah Alam	Assistant	
91	28 June	50/F	PLID L-5,L5/S1	Fenestration & Discectomy	Prof. Dr. Md. Shah Alam	Assistant	
92	28 June	49/F	PLID(L4-5)	Fenestration & Discectomy	Prof. Dr. Md. Shah Alam	Assistant	
93	28 June	65/F	LSCS (L3-S1)	Decompression & Fixation with rods, screws & PLIF	Prof. Dr. Md. Shah Alam	Assistant	
94	29 June	62/F	Listhesis L(4-5)	Decompression & Fixation with rods, screws & TLIF	Prof. Dr. Md. Shah Alam	Assistant	
95	29 June	65/M	Metastatic renal cell carcinoma involving L3,4	Decompression , Corpectomy & Fixation with rods, screws & mesh cage	Prof. Dr. Md. Shah Alam	Assistant	
96	29 June	65/F	Intradural extra medullary tumour at L1 Level	Excision of tumour & repair of dura	Prof. Dr. Md. Shah Alam	Assistant	

97	30 June	38/M	LSCS L3-S1	Decompression & Fixation with rods, screws & TLIF	Prof. Dr. Md. Shah Alam	Assistant	
98	30 June	45/F	LSCS L2-S1	Decompression & Fixation with rods, screws & TLIF	Prof. Dr. Md. Shah Alam	Assistant	