

APSS Medtronic Fellowship 2016

Fellow

Dr. Mohammad Saiful Islam

MS (Ortho)

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Guides

Prof. Yat Wa Wong
Chief of Spine Division
Dept. Of Orthopaedics and Traumatology
Queen Mary Hospital
University of Hongkong

Prof. Kenneth M.C. Cheung
Professor and Head
Dept. Of Orthopaedics and Traumatology
Queen Mary Hospital
University of Hongkong

Centers visited

Queen Mary Hospital
University of Hongkong
Pokfulam Road, Hongkong

Duchess of Kent Children Hospital
University of Hongkong
Sandy Bay Road, Hongkong

Fellowship duration

Oct 23, 2016 to Jan 21, 2017



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Queen Mary Hospital, HK

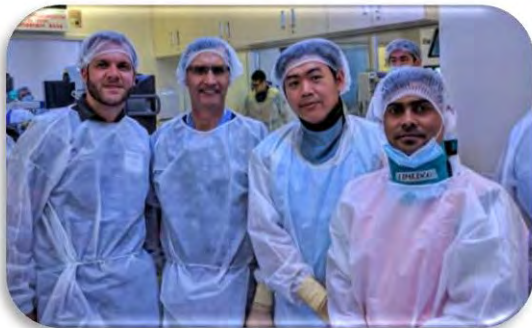


Duchess of Kent Children Hospital, HK

I thank the Asia Pacific Spine Society (APSS) for selecting me to go on this fellowship to The University of Hong Kong, HK from 23rd Oct 2016 to 21st Jan 2017. It was a great opportunity to spend three months overseas and to experience how other spine centers practice. Not only it was a chance to learn tips and tricks but also to establish friendships and possible collaborative work.

APOA is a major orthopedic association over the world; APSS is the spine section of this association. I always feel curious to do work with new persons and new environment and also want to keep touch with newer method. With the inspiration of my respected teacher Prof. Khondokar Abdul Awal Rizvi and Prof. Shah Alam, I became a life member of APOA and APSS in RCOST 2014, Thailand.

Since then I was very much interested to APSS academic activity. I attended and applied for the young ambassador program and travelling fellowship in 2016, 19th APOA Congress, Melbourne and received my life Membership certificate from APOA president Edward Ted Mah. After that, I also applied for APSS Medtronic fellowship 2016. By the grace of the Almighty, I am awarded with APSS Medtronic fellowship for 2016 with host center in The University of Hongkong under Dr Yat Wa Wong and my working place was The Queen Mary Hospital and Duchess of Kent Children Hospital.



Cadaveric course

It was my privilege to do work such a centre of excellence of spine with Professor KMC Cheung, Professor DK Luk and Professor Yat Wa Wong. I was very much lucky to get the chance of attending in **the Spine Deformity Solutions: A Hands-On-Course** (Cadaveric course) organized by SRS and APSS held in the University of Hongkong.

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Asia Pacific Spine Society (APSS) arranged my visa, air ticket and residency in Hongkong. My residence Hotel Mia Casa in Kennedy town was very nice place near the bank of the South China Sea and MTR station.

I flew to Hongkong by Biman Bangladesh Airlines on 23rd October, 2016. After successful completion of my fellowship training, came back home on 21st January, 2017.



OT



Ward Round



Dept. Library



Presentation

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APOA/RCOST 2014



19th APOA Congress, Melbourne, Australia



With APOA President, Edward Ted Mah

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Weekly work schedule of Division of Spine Surgery, HKU, Hongkong

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
AM	9:00 am Scoliosis Clinic- DKCH OR 8:30 am OT at QMH	8:30 am OT at DKCH	8:30 am Ward Round at DKCH 10:30 am Clinical Conference at DKCH/QMH	8:30 am OT at DKCH	8:30 am Ward Round at QMH 10:30 am Research Activity	8:30 am Academic Activity- Interhospital meet
PM	Research Activity OR OT at QMH	OT at DKCH	2:00 pm Adult Spine Clinic at DKCH	OT at DKCH	1:00 pm Pre-op Meeting at QMH 2:00 pm General Spine Clinic at QMH	FREE

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Daily Fellowship Record

Date/Day	Schedule	Consultant	Learning Process
Oct-16			
24/Mon	Scoliosis Clinic OPD at DKCH	Dr WY Cheung	Adult Scoliosis with PO F/U
26/Wed	Ward Round at DKCH, Clinical Conference at QMH Adult Spine Clinic DKCH OPD	Prof KMC Cheung, Prof DK L	TB Spine, Spinal Stenosis
28/Fri	Ward Round at QMH, Pre Op Meeting at Lecture Theatre at QMH, General Spine Clinic ,Block S-7 QMH	Prof KMC Cheung, Prof DK Lu	Scoliosis, LBP of various type
16-Nov			
02/Wed	Ward Round at DKCH, Clinical Conference at QMH Adult Spine Clinic DKCH OPD	Prof KMC Cheung, Prof DK Luk	Decompression & Fusion
04/Fri	Ward Round at QMH, Pre Op Meeting at Lecture Theatre at QMH, General Spine Clinic ,Block S-7 QMH	Prof KMC Cheung, Dr WY Won	Halo Traction
09/Wed	Ward Round at DKCH, Clinical Conference at QMH Adult Spine Clinic DKCH OPD	Prof KMC Cheung, Prof DK	PSO
11/Fri	Ward Round at QMH, Pre Op Meeting at Lecture Theatre at QMH, General Spine Clinic ,Block S-7 QMH	Prof KMC Cheung, Prof DK Luk	Laminoplasty
16/Wed	Ward Round at DKCH, Clinical Conference at QMH Adult Spine Clinic DKCH OPD	Prof DK Luk, Dr WY Wong	TFESI, Scoliosis Clinic
18/Fri	Ward Round at QMH, Pre Op Meeting at Lecture Theatre at QMH, General Spine Clinic ,Block S-7 QMH	Dr WY Wong	General Spine Clinic, Listhesis, Stenosis, Cervical Myelopathy
23/Wed	Ward Round at DKCH, Clinical Conference at QMH	Prof KMC Cheung, WY Wong	Unilateral Fixation discussion, Trauma presentation in Conference, OPD-Stenosis with polio, Infantile

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	Adult Spine Clinic DKCH OPD		Scoliosis, Herring ton Rod in Scoliosis, Listhesis
24/Thirst	OT at DKCH then Scoliosis Clinic	Dr Kenny Kwan	MAGEC Rod
25/Fri	Grand Ward Round at QMH, Pre Op Meeting at Lecture Theatre at QMH, General Spine Clinic ,Block S-7 QMH	Prof DK Luk, Dr WY Wong	Discussion about C.Cord Syndrome, Unilat Facet dislocation Various LBP in Gen Spine Clinic
30/Wed	Ward Round at DKCH, Clinical Conference at QMH Adult Spine Clinic DKCH OPD	Prof KMC Cheung, WY Wong	Spinal Stenosis discussion
16-Dec			
02/Fri	General Spine clinic	Dr WY Wong	Degenerative Spine diseases
07/Wed	Ward Round at DKCH, Clinical Conference at QMH Adult Spine Clinic DKCH OPD	Prof KMC Cheung, WY Wong	Cervical Myelopathy discussion in Round, Clinical Conference in Ankle pain, Scoliosis, TB Spine
09/Fri	Grand Round, Operation, Gen Spine clinic	Dr WY Wong	Discussion about Epidural Abscess
14/W	Ward Round at DKCH, Clinical Conference at QMH Adult Spine Clinic DKCH OPD	Prof KMC Cheung, Dr WY Cheung	Discussion about Bone Graft in ACDF, CSM Cli Conf Skin lesion in Foot, OPD- Scoliosis
15/Thirst	OT-DKCH, Adult Scoliosis Clinic at DKCH	Dr WY Cheung, Dr Paul	L4/5 Spondylolysthesis+Stenosis
16/Fri	Grand Ward Round at QMH, General Spine Clinic ,Block S-7 QMH	Prof KMC Cheung, Dr WY Cheung	Discussion Central Cord Syndrome, Gen Spine Clinic
17/Sat	Inter Hospital Clinical Conference	Prince of Wales Hospital	Meniscus
18/Sun	Holy Day		Sight Seeing , Turtle Cove Beach
19/Mon	OT, OMH		
20/Tues	OT, DKCH		
21/Wed	Ward Round at DKCH, Clinical Conference at QMH Adult Spine Clinic DKCH OPD	Prof KMC Cheung, Dr WY Cheung	CSM
22/Thirst	OPD at DKCH	Dr W Y Wong	Children Scoliosis
23/Fri	Grand Ward Round at QMH	Prof DK Luk, Dr Wong	My PPT presentation on Spinal Stenosis
24/Sat	Inter Hospital Conference	QE, Kowloon	Spine Surgery difficulty
25/Sun	Holy Day, Merry Christmas		
26/M	Holy Day, Merry Christmas		

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27/Tues	Holy Day		
28/Wed	Ward Round at DKCH, Clinical Conference at QMH Adult Spine Clinic DKCH OPD	Prof KMC Cheung, Dr WY Wong	
29/Thirst	OPD at DKCH	Dr Wong	Children Scoliosis
30/Fri	Grand Ward Round at QMH, Pre op Meeting General Spine Clinic ,Block S-7 QMH	Prof KMC Cheung, Dr Paul	My PPT Presentation on Spinal Infection
31/Sat	Inter Hospital Clinical Conference	Yan Chi Hospital	Knee Infection(Post TKR)
17-Jan			
01/Sun	Holiday		
02/Mon	OPD at DKCH	Dr Wong	Adult Spine
03/Tues	Operation at DKCH		
04/Wed	Ward Round at DKCH, Clinical Conference at QMH	Prof KMC Cheung, Dr Wong	SCI and Rehabilitation
05/Thirst	Operation at DKCH		
06/Fri	Grand Ward Round at QMH, Pre op Meeting	Prof KMC Cheung, Dr WY Wong	My PPT presentation on CSM
07/Sat	IHM		
08/Sun	Holiday		
09/Mon	OPD at DKCH	Dr Wong	Adult Spine
10/Tues	Operation at DKCH		
11/Wed	Ward Round at DKCH, Clinical Conference at QMH		
13/Fri	Grand round with general spine OPD	Prof DK Luk	Listhesis
14/Sat	Interhospital conference		Spondylitis
15/Sun	Holiday		
16/Mon	OT,QMH		
17/Tue	OT,DKCH		CP with scoliosis
18/Wed	DKCH Round		
19/Thu	OT,DKCH		Laminoplasty
20/Fri	Grand round, QMH	Dr Wong	Spine infection
21/Sat	Flew back from Hongkong to Bangladesh		

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Log Book- Operation Theatre

Date	Sex/ Age	Disease/ Diagnosis	Name of the operation/Procedure	Surgeon	Remarks	Center
25.10.16	F/83Y	L4/L5 Stenosis	Posterior Decompression L4/L5	Dr WY Cheung	Laminectomy, Foraminotomy	DKCH
25.10.16	M/83 Y	L3/L4,L5/S Stenosis	Posterior Decompression L4/L5 +/- Fusion	Dr WY Cheung	Previously Operated	DKCH
27.10.16	F/66Y	L4/L5 Stenosis	Decompression L4/L5+TLIF	Prof K Cheung		DKCH
31.10.16	M/49 Y	AS w/ Wedge# T12	Deformity Correction, PSO L3	Dr WY WONG	Osteoporotic	QMH
01.11.16	F/19y	AIS	PSF	Dr WY Cheung		DKCH
03.11.16	M/69y	Spinal Stenosis facet cyst	L3/L4 Posterior decompression	Dr WY WONG	Previously Operated	DKCH
03.11.16	M/57y	Cervical Spondylosis with myelopathy	1 Level ACDF	Dr WY WONG	BG	DKCH
07.11.16	F/66Y	L2-4 Spondylodiscitis	Post correction of deformity+Instrument ed Fusion	Dr WY WONG	BG	QMH
08.11.16	M/69y	Cervical Myelopathy	Laminoplasty	Dr Jason	Instrumentation	DKCH
08.11.16	M/78y	Rt L5 Symptoms	Rt L4/5 Foraminal Nerve Root Block	Dr Jason		DKCH
08.11.16	F/26y	Idiopathic Scoliosis	Posterior Spinal Fusion & Instrumentation	Dr WY Cheung	Instrumentation	DKCH
10.11.16	M/68y	Cervical Myelopathy	Laminoplasty +/- Thoracic decompression	Dr Jason cheung	Instrumentation	DKCH
10.11.16	F/48Y	Cervical Myelopathy	C3-6 Laminoplasty+Lt C56 Foraminotomy	Dr Jason cheung	Instrumentation	DKCH
10.11.16	F/10Y	Cerebral Palsy With Convulsion	Refil Beclofen Pump	Dr WY WONG		
11.11.16	M/50 Y	CSM	C.Laminectomy W/ C5-6 Foraminotomy	Prof K Cheung	Previously Operated	QMH

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12.11.16	M/65 Y	Spinal Cord injury,C2 Fracture C3/4 disc rupture	Post Spinal decompression Instrumented Fusion	Prof K Cheung	Traumatic	QMH
14.11.16	F/88Y	Osteoporotic Collapse T12	Kyphoplasty	Dr WY Wong	Path#	QMH
15.11.16	F/61Y	RA, C1/2 Subluxation	C1 Post arch excision+Posterior Spinal Fusion	Prof DK Luk		DKCH
15.11.16	M/80 Y	Spinal Stenosis	Facet joint medial branch block	Dr Koljonen Paul Aarne		DKCH
15.11.16	F/59Y	L5 Radiculopathy (LT)	L4/5 TFESI(LT)	Dr Koljonen Paul Aarne	Previously Operated	DKCH
15.11.16	F/75Y	Cervical Myelopathy	Laminoplasty	Dr Jason Cheung		DKCH
15.11.16	M/78y	Cervical Myelopathy	Laminoplasty	Dr Jason Cheung		DKCH
17.11.16	F/77y	L4/L5 Stenosis	L4/5 Decompression+L5/S1 Exploration Post Instrumentation Fusion	Dr Paul		DKCH
17.11.16	F/73Y	Spinal Stenosis L4/5	L4/5 Post Decompression	Dr Paul		DKCH
18.11.16	M/54 Y	Cervical Myelopathy due to OPLL	Laminoplasty	Dr WY Wong		QMH
21.11.16	M/76 Y	Drop Neck Syndrome	Post Spinal Fusion Ant Spinal Fusion	Dr WY Wong		QMH
22.11.16	F/83Y	nonunion # L1	Kyphoplasty	Dr Paul		DKCH
22.11.16	M/71y	Spinal Stenosis	Post Decompression L4/5	Dr Paul		DKCH
22.11.16	F/68y	Spinal Stenosis	L3/4,L4/5 Post Decompression	Dr Paul		DKCH
22.11.16	F/76Y	Spinal Stenosis	RT L4/5 TFESI	Dr Paul		DKCH
22.11.16	F/65y	L4/5 Stenosis with Spinal claudication	L4/5 Post Decompression	Dr WY Cheung		DKCH
22.11.16	F/62Y	L4/5 Degerative Spondylosis thesis& Spinal Stenosis	L4/5 Post Decompression+Fusio n+Instrumentation+L4 /5 TLIF	Dr WY Cheung		DKCH

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24.11.16	M/62 Y	T8 Lesion+Cord Compression	Decompression+Post Spinal Fusion	Dr Kenny Kwan		DKCH
24.11.16	M/74 Y	Spinal Stenosis	L3/4 Decompression	Dr Paul		DKCH
24.11.16	F/85Y	Rt Sciatica	Rt L3 Nerve root block	Dr Paul		DKCH
24.11.16	F/76Y	Spinal Stenosis	Rt L4/5 TPESI	Dr Paul		DKCH
28.11.16	M/68 Y	Spinal Stenosis	Decompression L4/5 +/- Exploration L5/S1	Dr WY Wong		QMH
28.11.16	F/71Y	Spinal Stenosis	Decompression + Fusion L2-5	Dr WY Wong		QMH
29.11.16	M/35 Y	Spinal Stenosis	ACDF	Prof DK Luk		DKCH
29.11.16	M/67 Y	Cervical Myelopathy	Laminoplasty	Dr Kenny Kwan		DKCH
01.12.16	M/71 Y	L4/5 Degerative Spondylosis thesis& Spinal Stenosis	L4/5 Post Decompression+Fusio n+Instrumentation+L4 /5 TLIF	Dr WY Wong		DKCH
05.12.16	F/8Y	Congenital Kyphoscoliosis	Correction of deformity+VEPTR+M AGEC Rod	Prof KMC Cheung		QMH
06.12.16	F/12Y	AIS	PSF+Instrumentation	Dr WY Cheung		DKCH
06.12.16	M/69 Y	Cervical Spondylosis Myelopathy Laminoplasty		Dr WY Cheung		DKCH
06.12.16	F/68Y	Cervical Myelopathy ACDF Prof DK Luk				DKCH
06.12.16	M/63 Y	CSM and Spinal Stenosis	S1 Nerve root blockmm	Dr Paul		DKCH
08.12.16	F/52Y	Neglected AIS	Deformity correction+PSF+Instru mentation	Prof KMC Cheung		DKCH
09.12.16	F/11Y	Flexible AIS	PSF T5 to L2	Prof KMC Cheung		QMH
12.12.16	F/12Y	Scoliosis, Marfan Syndrome	PSF(Post Correction of Scoliosis + Instrumented Fusion	Dr WY Wong		QMH

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13.12.16	M/12 Y	Neuromuscular Scoliosis	Deformity correction+ Posterior Instrumented Fusion	Prof DK Luk		DKCH
13.12.16	M/61 Y	L4 Radiculopathy	Rt L4 Selective nerve root Block	Dr Paul		DKCH
13.12.16	F/47Y	Skull base Dysplasia	Occipital Nerve Block	Dr Paul		DKCH
13.12.16	F/67Y	Rt L2 Radiculopathy	Rt L2 Nerve root Block	Dr Paul		DKCH
13.12.16	M/62 Y	Spinal Stenosis	Rt L4/5 Transforaminal Epidural Steroid Inj	Dr Paul		DKCH
13.12.16	F/64Y	Degenerative Scoliosis	L3/4 Transforaminal Epidural Injection	Dr Paul		DKCH
16.12.16	M/64 Y	L4/5 Spondylolisthesi s+Stenosis	Post Decompression+Fusio n+Instrumentation	Dr WY Cheung		DKCH
16.12.16	F/53Y	Spinal Stenosis	L4/5 Transforaminal Epidural Steroid Injection	Dr Paul		DKCH
16.12.16	F/61Y	Meralgia	Lt Lat Femoral Cut Nerve Block Injection	Dr Paul		DKCH
16.12.16	M/74	Low Back Pain	Med Branch Block	Dr Paul		DKCH
19.12.16	F/10Y	Congenital Scoliosis	Distraction of VEPTR	DR Jason		QMH
20.12.16	F/52Y	Spinal Stenosis+ L4/5 Spondylolisthesis	L4/5 Transforaminal Interbody Fusion(TLIF)	Dr WY Wong		DKCH
20.12.16	F/9y	Scoliosis	Distraction of Growing Rod	Dr WY Wong		DKCH
22.12.16		No Operation				
26.12.16		Holiday for Mary Christmas				
27.12.16		Holiday for Mary Christmas				
29.12.16		No Operation	Renovation of OT			
02.01.17		No Operation				
03.01.17	M/69 Y	Spinal Stenosis	L3/4, L4/5 decompression	Dr WY Cheung		DKCH

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03.01.17	F/76Y	Spinal Stenosis	L4/5 Epidural Injection	Dr WY Cheung		DKCH
03.01.17	F/48Y	Cervical Myelopathy	Anterior Cervical discectomy and fusion+ plating C4/5, C5/6	Prof DK Luk		DKCH
03.01.17	M/81 Y	Spinal Stenosis	L3/4, L4/5 decompression (Sacralized L5)	Prof DK Luk		DKCH
05.01.17	F/19Y	AIS	PSF	Prof Cheung		DKCH
10.01.17	M/75 Y	Lumber Spinal Stenosis with right leg pain+weakness	Posterior decompression L4/5+fusion+instrumenta	Dr WY Cheung		DKCH
10.01.17	F/58Y	Spinal Stenosis	L2/3 nerve root block	Dr WY Cheung		DKCH
10.01.17	F/53Y	C1-2 Instability Myelopathy	C0-C2 Fusion, Autologus Bone Graft	Prof DK Luk		DKCH
10.01.17	M/86 Y	Suspected Spinal Claudication	Rt L4/5 TFESI	Dr Paul		DKCH
12.01.17	F/72Y	C5/6 Cervical Myelopathy	C5/6 ACDF	Prof DK Luk		DKCH
12.01.17	F/79Y	L3/4 Bony Metastasis (CA Breast)	L3/4 Percutaneous Biopsy	Dr Paul		DKCH
12.01.17	F/45Y	Cerebral Palsy	Beclofen refill	Dr Paul		DKCH
16.01.17	F/66Y	Infective Spondylodiscitis with implant in situ	ASF+Debridement	Dr Wong		QMH
19.01.17	M/62	Stenosis	Decompression with instrumentation	Dr WY Cheung		DKCH

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Case Examples

1. Cervical Myelopathy

Preoperative diagnosis - Cervical myelopathy. Operative diagnosis cervical Spondylosis with myelopathy. Procedure Laminoplasty (C3-C6), internal fixation of spine with arch plate C3-C6, Somatosensory evoked potential, and Intraoperative plain radiography used. Prone position, under GA, midline longitudinal incision given, subperiosteal dissection from lower C2 to C7 lamina. Removal of osteophytes to expose joint space, C2/3 and C6/7 Laminectomy, single door Hirabayashi technique with hinge on left side from C3-6. Findings- C3/4 previous ASF, C4/5 posterior elements fused, degenerative much osteophytes over C2/3 and C6/7 facet joints



Preoperative X-ray& MRI



Positioning



SSEP



Peroperative



postoperative

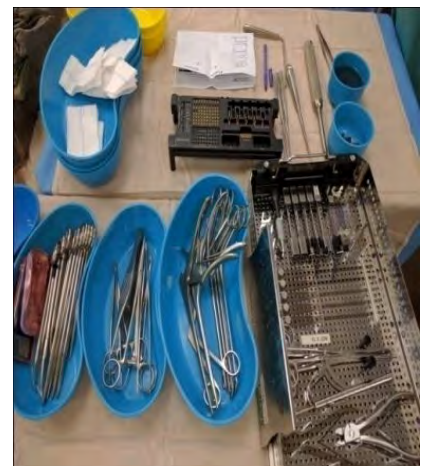
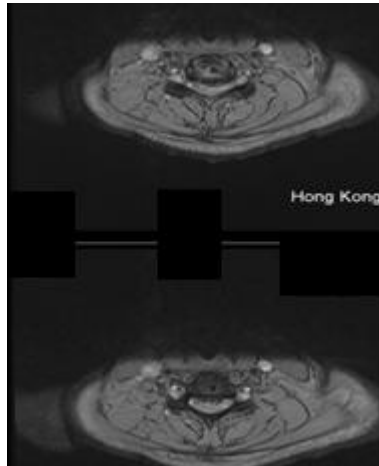
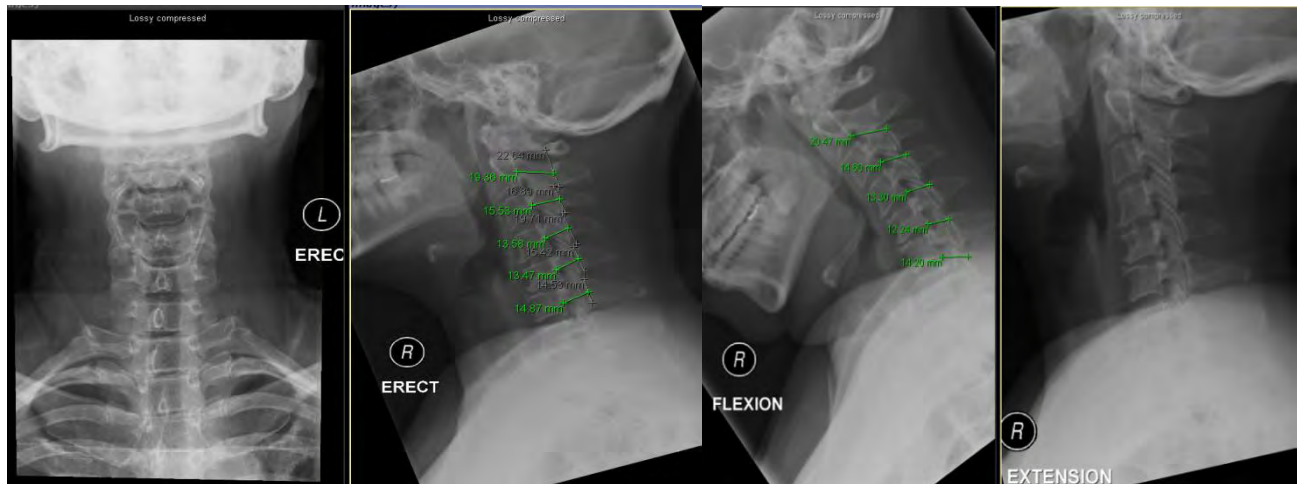
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2. Cervical Spondylotic Myelopathy (CSM)

48/F, housewife, lives with her family, good past health, new onset of bilateral hand numbness and decreased hand dexterity since 4/2016, Lt symptoms more severe, need to use a spoon for feeding, noticed unstable gait but has no falls yet. No much neck pain. Sphincter control is voluntary. Attended a GP, MRI done and finally admitted via because of progressive symptoms. Examinations- Hoffman +ve, Finger escape- Grade 1(rt) Grade 2(lt), 10 Sec- 14(rt), Romberg- +ve, Tandem walking- borderline, Muscle power MRC Grade-5(rt), Grade-4(lt), Spurling-Lt side to left arm, Planter response-Equivocal, Clonus-Sustained. Pinprick: deficit in bilateral hand and patchy sensory deficit over Rt post UL, trunk and LL. Light touch : deficit in Rt trunk below nipple and Lt foot. JOA- 9/17.

Diagnosis: Cervical myelopathy with most stenotic C5/6 with local kyphosis C5/6,

Plan: ACDF C5/6 +/- C4/5



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Peroperative and postoperative

3. Adolescent Idiopathic Scoliosis (AIS)

15 years old lady right thoracic idiopathic scoliosis ,has some trunk shifting to the right side .shoulder and pelvis are level. Forward bending a right sided rib hump which is mostly correctable with side bending. X-ray shows scoliosis from T5 to 12 of 45° compared to 39° in the year 2013. she has some increase in the deformity after skeletal maturity. on examination, right shoulder is elevated, trunkal balance is OK, no shift or listing, pelvis level.

X-ray: Cob angle: T5-12= 52.1° Risser 5 Indication for surgery:1. Magnitude of the curve. 2. Documented progression post maturity



Preoperative



skeletal maturity

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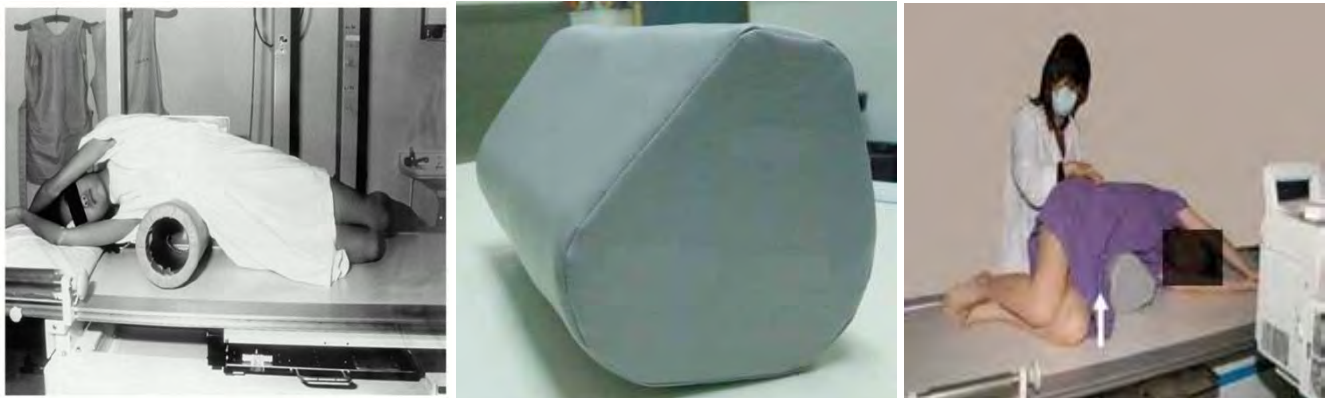
Peroperative

Postoperative

Fulcrum Bending Radiograph-

This concept of fulcrum bend and flexibility of scoliosis curve was described by Prof. Luk et al at this center of excellence. This concept has been further developed to determine the limits of correction, identifying fusion levels in a rational manner and also in proving decoupling of spine in a bending radiograph. This technique has been modified further by using a new fulcrum developed and patented at this center.

In order to maintain a balance between good correction, costs and complication risk, reported short-term safety and efficacy of utilizing alternate level screw strategy (ALSS) pedicle fixation for thoracic AIS in the setting of the FBR. High FBCI reflects the stronger power of using pedicle screws for curve correction.



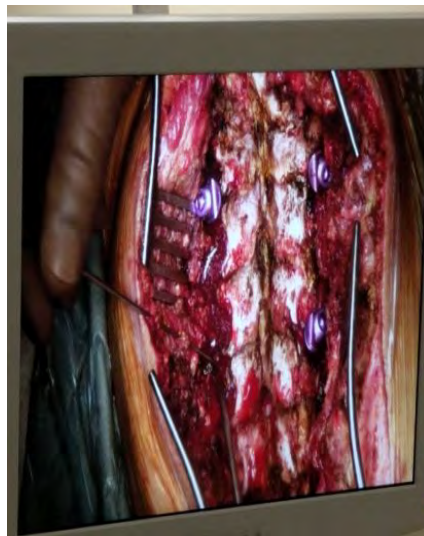
The Modified Fulcrum is a triangular prism shaped foam with and padded edges (Rt)

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4. Neuromuscular Scoliosis



Preoperative



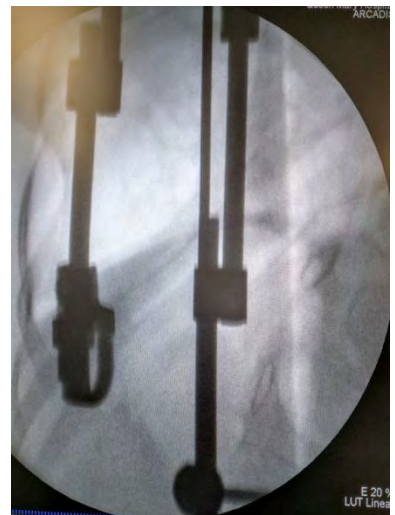
Fulcrum bending x-ray and peroperative

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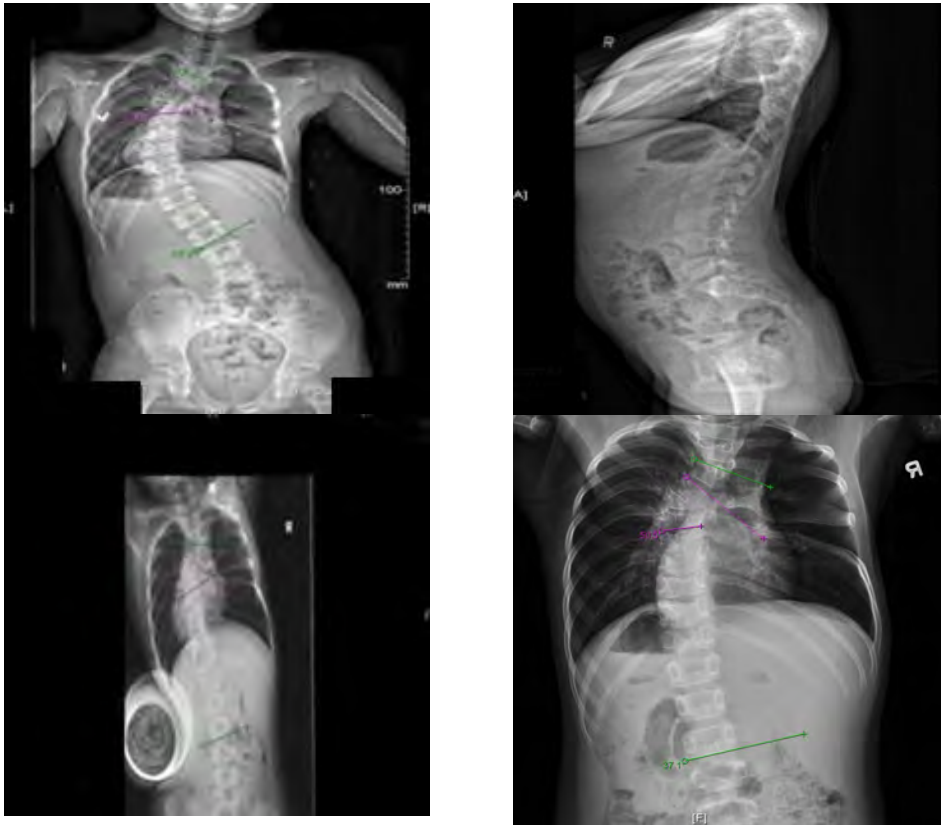
Postoperative

5. VEPTR (Vertical Expandable Prosthetic Titanium Rib)



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6. Bilateral growing rod insertion from T2 to L1/2 or L2/3



Preoperative

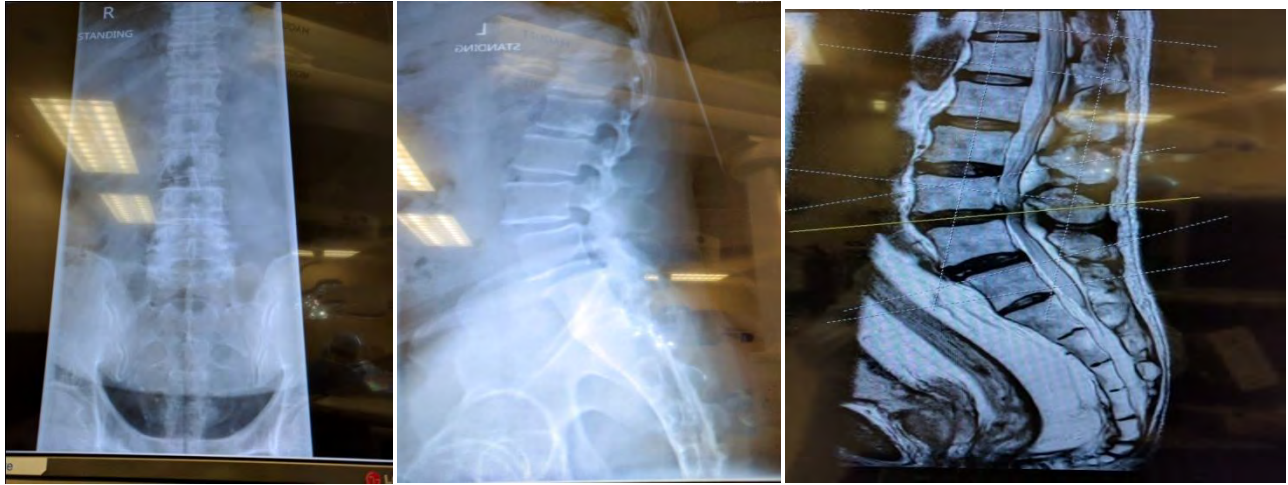


Postoperative

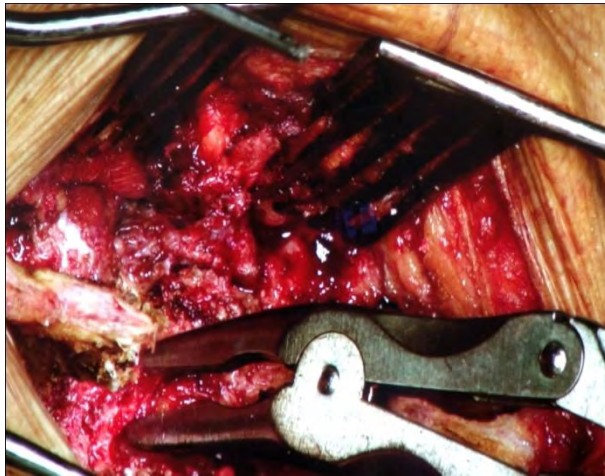
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7. Spondylolisthesis

65y lady presented with low back pain with radiculopathy diagnosed as spondylolisthesis L4 over L5 with stenosis. Plan: Decompression and instrumentation.

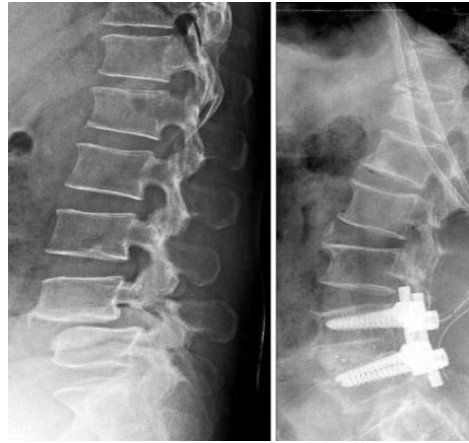
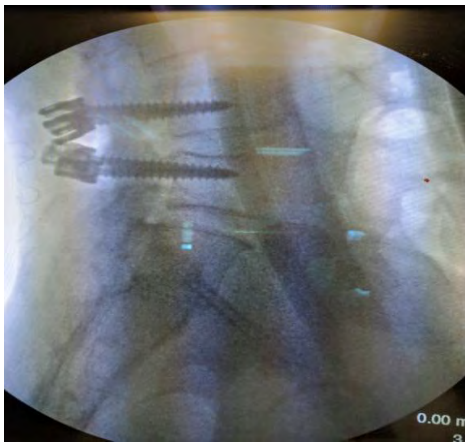
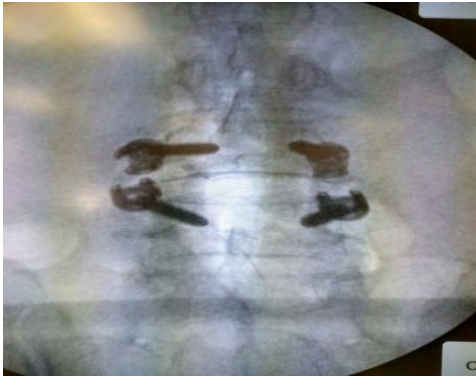


Preoperative



Peroperative

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Postoperative

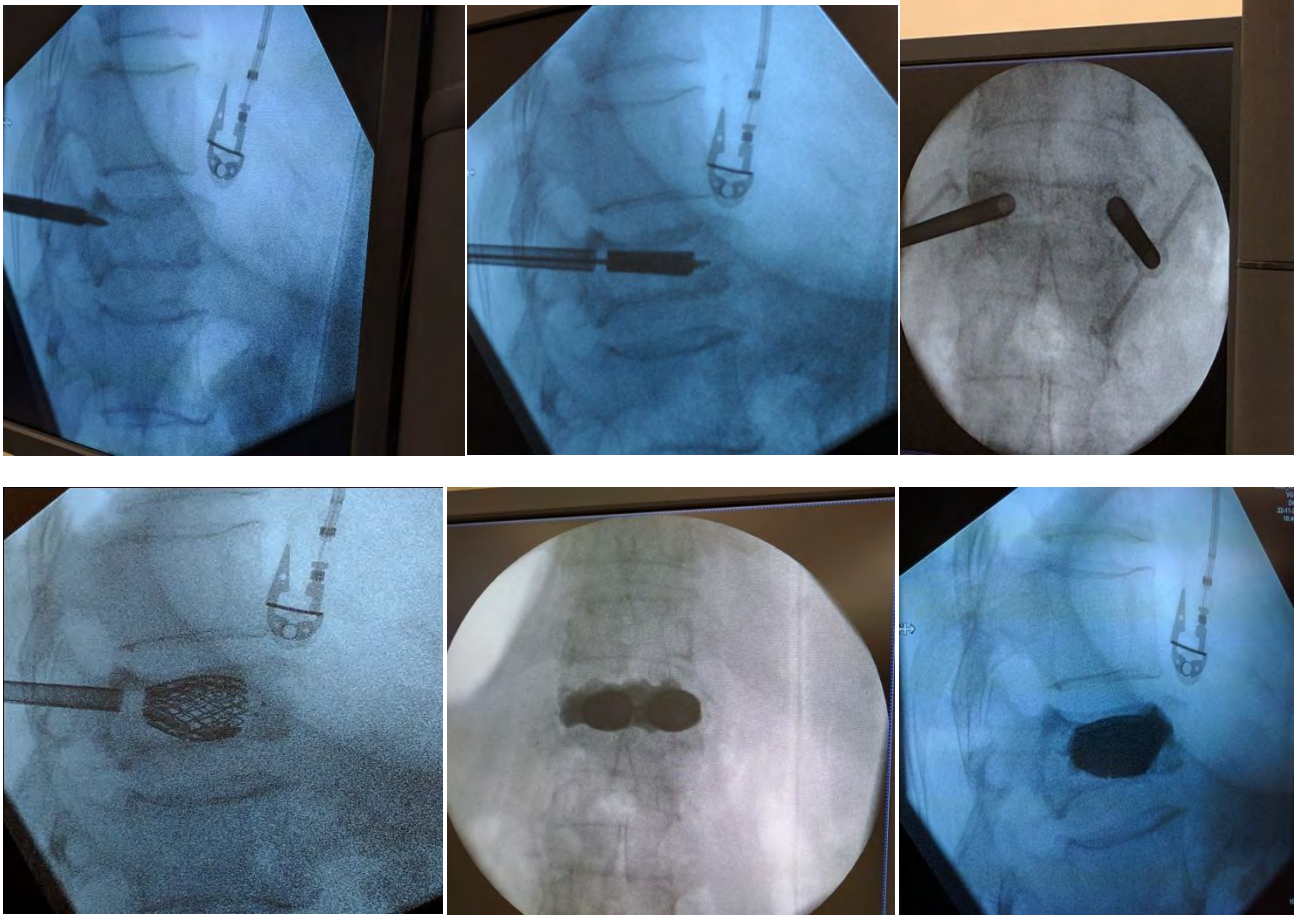
8. Fracture Vertebra

Menopausal woman presented with Osteoporotic Collapse L-1 Vertebra
Plan: Kyphoplasty.



Preoperative X-ray and MRI

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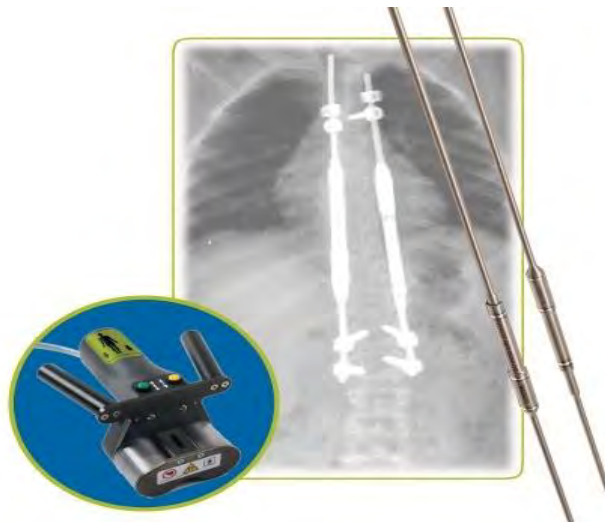
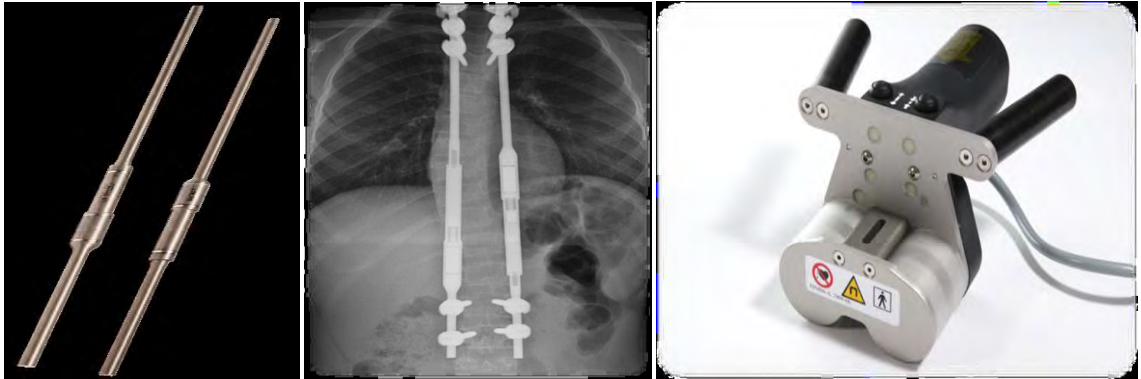


Peroperative

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9. The MAGEC System

The MAGEC System is designed to brace the spine and provide support for spinal deformity correction. The Ellipse MAGEC Spinal Bracing and Distraction System is intended for skeletally immature patients less than 10 years of age with progressive spinal deformities (e.g. Cobb angle of 30 degrees or more; thoracic spine height less than 22 cm) associated with or at risk of Thoracic Insufficiency Syndrome (TIS). TIS is defined as the inability of the thorax to support normal respiration or lung growth. The rod is employed in the following procedures, which are described in this Technique Guide:
1. Spinal Instrumentation Implantation 2. Dual Rod Implantation 3. Rod Distraction Procedure

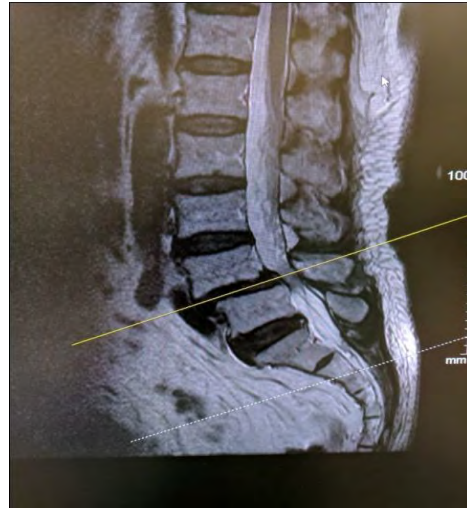


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10. Spinal Stenosis with listhesis

73 years old lady presented with L4/5 Spondylolisthesis + Spinal stenosis

Plan- Posterior Decompression+PSF+TLIF L4/5

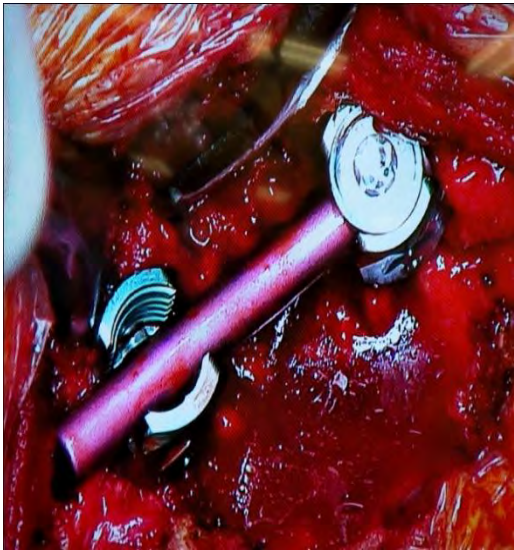
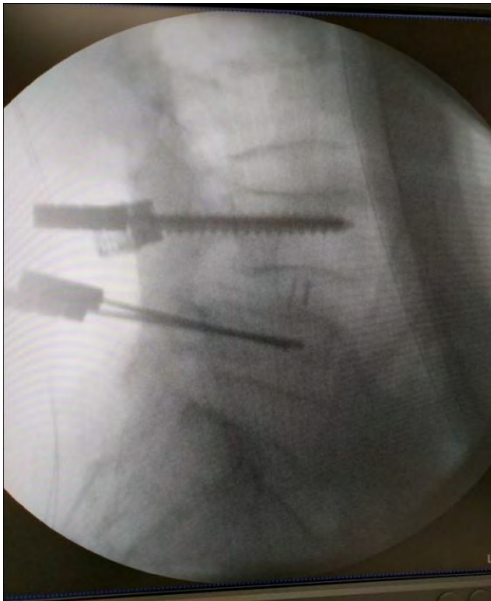
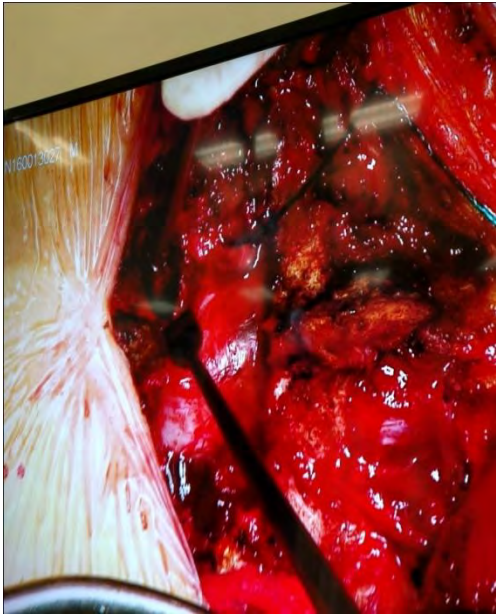


Preoperative



Peroperative

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Postoperative

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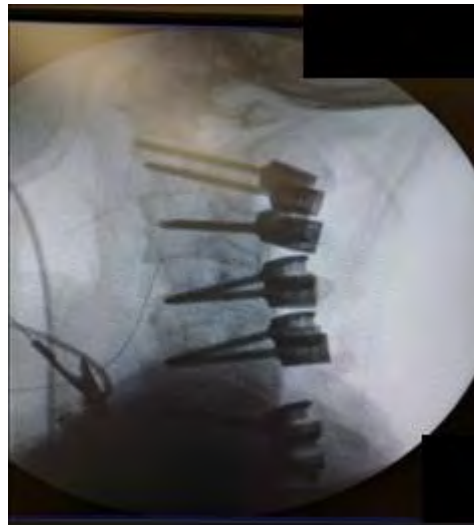
11. Drop Neck Syndrome

76 years old man presented with Drop Neck Syndrome

Plan- Posterior spinal fusion \pm Anterior spinal fusion



Preoperative



Peroperative

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Postoperative

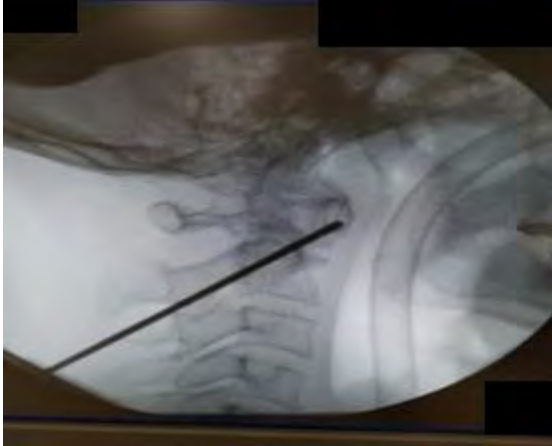
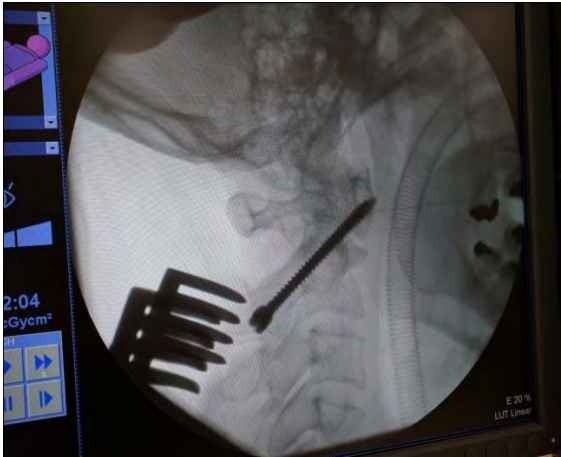
12. C1-C2 Subluxation

Plan- C1 posterior arch excision + Posterior spinal fusion C1/C2



Preoperative

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Peroperative

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Living in Hongkong

During the 3-months stay in Hongkong, On holidays, I visited the Victoria Harbour, Victoria Peak, Lama Island, Lantau Island, Big Buddha, Stanley Beach and many others places.



Victoria harbor



Victoria peak



Lama Island



Lantau Island (Cable Car)



Big Buddha



Stanley Beach

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Weekly Interhospital Meeting

I attended the Saturday Interhospital meeting in the Queen Elizabeth Hospital, Prince of Wales Hospital, Princess Margaret Hospital



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Guide And Fellow Colleagues



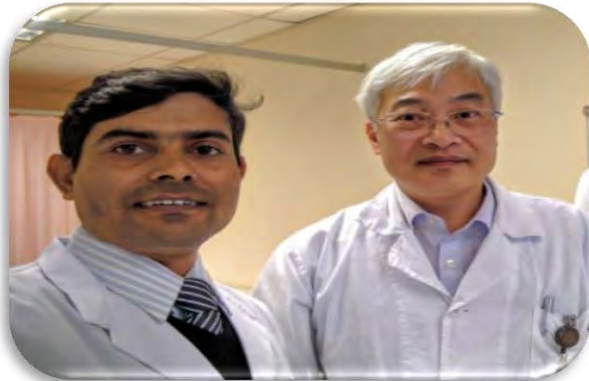
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Conclusion

A period of 3 months was too short to learn from Dr WY Wong, Professor KMC Cheung and Professor DK Luk. It was really fruitful to observe techniques of different spine surgeons in Queen Mary Hospital and Duchess of Kent Children Hospital, HKU, Hongkong. I learnt not only the techniques but also the up-to-date principles in treating conservative & operative treatment of children and adult spine deformity and disease condition.



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Taking Certificate
from Prof KMC
Cheung

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Acknowledgement

I thank once again the organization: APOA-APSS, HKU Department of Orthopaedics and Traumatology for excellent training opportunity. I thank my mentor, Dr WY Wong & Professor KMC Cheung for their guidance, support & academic inspiration. I also thank each and every member of the Queen Mary Hospital and Duchess of Kent Children Hospital for making my stay wonderful.



Dr.Mohammad Saiful Islam

MS (Ortho)

APSS Medtronic Fellow, 2016

The University of Hongkong

Hongkong