

Dr.Ajoy Prasad Shetty, Senior Consultant, Spine Surgery

Presentations - 2014 to 2020

- 1. BASS/BSS Online Spine meeting, 3rd & 4th December 2020**
 - Debate on Cervical Pedicle Screws – Free hand technique
- 2. Faculty – First Spine 2020, Riyadh, 10th & 11th November 2020**
 - Role of risk stratification strategy
- 3. Bangalore Orthopaedic Society Masterclass – 26th September 2020**
 - Lumbar degenerative disorders
- 4. Organizing Secretary & Faculty, ASSI Virtual Meet 2020, 18th to 20th September 2020**
 - Antibiotic impregnated cement beads in post-operative spine function
- 5. Trichy Orthopaedic Society – Ortho Connect, 30th August 2020**
 - Decompression technique in OLF
- 6. 8th TNOA PG Teaching Program , 29th August 2020**
 - TB Spine
- 7. AO Spine in League Webinar – Fracture in Ankylosing Spondylitis, 8th August 2020**
 - Fractures in Ankylosing spondylitis
- 8. 37th Mangalore Orthopaedic Course 2020, 23rd February 2020**
 - Clinical Examination of Spine
- 9. Faculty at APSS – BOA Operative Course 2020, Mumbai**
 - Live Demonstration – Cervical discectomy
 - Talk on Spino Pelvic Fixation
 - Talk on Vertebrectomy for correction of severe Kyphosis
 - Talk on Growing in a Ganga – Team practice
- 10. Faculty at TNOACON 2020, Vellore – 7th to 9th February 2020**
 - Spinopelvic fixation in pelvic trauma
- 11. Faculty POSICON 2020 - Coimbatore January 9th & 10th**
 - Spondylolisthesis in children
 - Reduction of high grade Spondylolisthesis
- 12. AO Principles Course Cervical Spine - Kolkata Dec 21& 22**
 - Hangman's fracture

- Video demonstration – Anterior Cervical Corpectomy & Fusion
- Osteoid Osteoma of cervical spine
- Kyphotic deformity of the cervical spine & management
- Cervical Facetal Dislocation - Assessment and Management Strategies

13. IOACON 2019 Nov 19th - Kolkata

Faculty for cervical workshop –

1. Talk on tips & tricks of cervical discectomy
2. Live demonstration - lateral mass screw fixation

3. Indian American Spine Alliance (IASA) - Nov 15th – 16th

Faculty –

- 1) Talk - Subaxial Spine Injuries
- 2) Faculty for cadaveric workshop on cervical spine injuries

4. AO Cervical Spine Seminar, Vellore, October 12th 2019

Congenital anomalies of the Cervical Spine : Clinical Relevance
 Odontoid fractures : Management and challenges
 Anterior surgery for cervical bifacetal injuries
 Odontoid screw video demonstration
 Navigation in Cervical spine video

5. AO Cervical Spine Seminar, Vellore, October 12th 2019

Topic : Congenital anomalies of the Cervical Spine : Clinical Relevance
 Odontoid fractures : Management and challenges
 Anterior surgery for cervical bifacetal injuries –
 Odontoid screw video demonstration
 Navigation in Cervical spine video

6. ICS, Mangalore, Sep 25-26 2019

Topic : Optimizing outcomes in Tb kyphosis

7. 14 – SRS Annual Meeting, Montreal, Canada, Sep 19 – 21 - paper presentation

Topic : The Analgesic Effect of Dexmedetomidine in Posterior Spinal Fusion for AIS

A Double Blinded Prospective Randomized Study -Hibbs Clinical Research Award Nominee paper

Neurological deficit in delayed presentation of congenital vertebral deformities(CVD) – an analysis of risk factors and surgical outcome

8. Spine 19- 19th national conference of NSSA Aug 30 – September 1st, 2019

Topic : Chin on chest deformity
 Post TB Deformity

9. **Fundamentals of spine surgery – TNOA & ASSI Spine Outreach Programme, Madurai – August 11th 2019**
 Topic : Back pain – what not to miss
 TB of the spine – current scenario
 Lateral mass screw fixation

10. **Current concepts in spine fixation, Manipal, 15th June 2019**
 Topic : Biomechanics of spine
 Conservative treatment of thoracolumbar fractures
 Early management of spine injured patients

11. **Webinar – Jabalpur spine society May 30th 2019**
 Topic : Evaluation of back pain – what not to miss
 High grade lysis – To reduce or not to reduce

12. **Ganga Operative Spine Course May 24-26 2019**
 Topic : Live demonstration – decompression of LCS – wieners osteotomy
 Lenke type 1C scoliosis
 Thoracic OLF with Myelopathy
 Talks – Release techniques in AIS

13. **AOSpine Principles Course in Ahmedabad, 11-12 May, 2019**
 Topic : When to operate patient of low back pain without radiculopathy and no obvious instability
 Microdiscectomy video
 Natural history and conservative care of LCS
 Case discussion -cervical myelopathy
 Posterior cervical laminectomy + lateral mass fixation video
 Posterolateral, LECA and transpedicular approach to thoracic spine
 Ossification of ligamentum flavum - diagnosis and treatment

14. **3rd International Conference on Clinical Orthopaedics & Spine Biomechanics, 26-28 April 2019, ISIC**
 Topic : Biomechanical responses due to discitis infection of a juvenile thoracolumbar spine
 Moderator for the session on – Biomechanics of Instrumentation in infected spine.

15. **3rd MISSAB annual cadaver & live surgical course ,19-21st April 2019, Bangalore**
 Topic : PPF– step by step basic principles
 Role of navigation in MIS surgeries

16. **The Spine Weekend - Operative course , 12th – 13th April 2019, PUNE**
 Topic : Cervical tumors - interactive session
 Multiple osteoporotic fractures

17. **TNOA's current concept & trends in trauma, April 7th, 2019, Coimbatore**
 Topic : Spino-pelvic fixation in Pelvic trauma

18. **TNOA – Madurai Feb 8th to 11th, 2019**
 Topic : Rehabilitation of spine injured patient
 Thoracolumbar fracture – evaluation
 Short & long segment fixation of TL fracture

19. **OASACON - Feb 1st – 3rd 2019, Vishakapatnam**
Topic : Live demonstration of TLIF for degenerative Listhesis
 Dilemmas in the management of Thoraco Lumbar TB
 MIS in spine

20. **ASSICON 2019 – Ahmedabad Jan 24th - 27th, 2019**
Topic : Case discussion – degenerative scoliosis
 Classification of tharacolumbar fracture
 Vertebral body derotation

21. **Faculty at Preethi Spine Update – Complex Situations in Spine Decision Making – 3 - 4th November , Madurai 2018**
 Topics : Approach to a patient with post operative spine infections
 Kyphosis in tuberculosis of the spine
 Rehabilitation of a spine injured patient

22. **Faculty at South East Asia Surgical Management In Deformity Course – UKM Medical Centre on 25 – 26th October 2018.**
 Topics : Classification & Surgical Considerations in Idiopathic Deformity
 Surgical Treatment in Idiopathic Deformity
 Sagittal Plane Plane in AIS/ Sagittal Balance and Pelvic Parameters
 Cadaveric workshop on osteotomies & pelvic fixation

23. **Presentation at SRS 2018 – Bologna 6-18th October, 2018**
 Topic : Balanced Pre-emptive analgesia in spine surgery - a prospective study

24. **Faculty at AO Principles Course , Chennai - 8 – 9th September, 2018**
 Topics : Biomechanics of spine & spine instrumentation
 Short vs long segment fixation of tharacolumbar fractures
 Tips & tricks of reduction of high grade spondylolisthesis
 Navigation & robotics
 Video demo of global reconstruction of Spinal TB

25. **Faculty at AO Spine Principles course - 25 to 26th August 2018, Mumbai**
 Topics : Biomechanics – basics of spinal balance & spinopelvic parameters
 Interactive session on grade 1 lytic listhesis with back pain
 Degenerative instability – definition & evaluation
 Research for a spine surgeon – start now
 High grade listhesis – comparison of surgical procedures

Dural tear & CSF Leak
Post-operative radicular pain

- 26. Faculty at AO Spine Advanced Level Regional Anatomical Specimen Course, Chiang Mai, Thailand, 18 - 21st August, 2018**
Topics : Vertebral Column Resection
Cadaver Demonstration On
S2 –Iliac & Pelvic Fixation
Cervical & Occipitocervical Fixation
Osteotomies Of Spine

- 27. Faculty at ICS Amritsar - 9 -11th August, 2018**
Topic : Scoliosis – clinical evaluation - how to get it right

- 28. Faculty at Deformity Correction Techniques program in Bangalore, India on 27 - 28th July 2018 (MERC)**
Topics : Cadaver demonstration of Pedicle subtraction osteotomy
Ponte osteotomy
Iliac & S2 iliac screws
Talk on derotation techniques in scoliosis correction

- 29. Faculty at GAME (Ganga Musculoskeletal in Radiology 2018) – Ganga Hospital, Coimbatore, 20 - 22nd July 2018**
Topic : Image guided interventions in Spine surgery

- 30. Faculty at Ganga Operative Trauma Course 2018, Ganga Hospital, Coimbatore, 22 - 24th June 2018**
Topic : Infix in anterior pelvic ring injuries

- 31. Faculty at Cervical Spine Injury Update – Madurai Medical College – 30th May 2018**
Topics : Emergency management of spine injured patient
Lateral mass screws – Tips & Tricks

- 32. Global Spine Congress 2 - 5th May 2018, Singapore**

Free paper – Topic :
Reciprocal Changes In Sagittal Parameters Following Strategic Pedicle Screw Fixation Surgery in Adolescent Idiopathic Scoliosis
A Prospective Randomized Study To Analyze The Efficacy Of Balanced Pre-emptive Analgesia In Spine Surgery

Faculty talks – Topic :
Role of Halo Gravity Traction in Severe Spinal Deformities
Emergence of drug resistance in Tuberculosis

- 33. Faculty at Webinar – Scoliosis Week, Cochin, April 2018**
Topic : Selective Fusion In Scoliosis
- 34. Faculty at CSRS – AP, 22 – 24th March 2018, New Delhi**
Topics : Cervical Spine Fractures In Ankylosing Spondylitis
Imaging Of Cervical Spine Infections
- 35. Faculty at Webinar – Scoliosis Week – Pune, February 2018**
Topic : Selective Thoracic Fusion
- 36. Faculty at KOA , 2018 Mangalore , 3rd February, 2018**
Topic : Post operative spine Infections current trends
- 37. Faculty at ASSICON 2018 Chennai - 19 – 21st January, 2018**
Topic : Best Practice for Resource-Challenged Environments IN EOS
- 38. IOACON Indore, DEC 27TH 2017– SPINE ICL**
Topic : Controversies and Knowledge gaps in the management of thoracolumbar burst fractures
- 39. ASSI Spine outreach program – Dec 17th 2017, Trichy**
Topic : Clinical evaluation of low back pain
Cervical disc prolapse – surgical management & video demonstration
Tuberculosis of spine - ,management guidelines
- 40. 38th Sicot Orthopaedic World Congress, 30th Nov – 3rd Dec Cape Town , South Africa**
Topic : Accuracy of Pedicle Screw Insertion by AIRO® Intraoperative CT in Complex
Spinal Deformity assessed by a New Classification Based on Technical Complexity of Screw Insertion
- 47425 a prospective randomised double blind placebo controlled study comparing the efficacy of Botropase, Tranexamic acid and a combination in reduction of blood loss in lumbar spinal fusion surgery
- FACULTY LECTURES
1. Spine Infections in India
 2. UNI & BI FACETAL DISLOCATIONS
- 41. Dutch Spine Society Annual Meeting, Rotterdam, November 10th, 2017**
Topic : Post operative infections – our approach
Tuberculosis of spine
- 42. Missicon Chennai October 29**
Topic : Paraspinal approach in trauma

- 43. Ganga Hospital HIC meet – October 26, 2017**
Topic : Prevention of post op infection – surgeons perspective
- 44. Ao spine advanced operative course – October 21 – 22, 2017 Ganga Hospital, Coimbatore**
Topic : Cervical spine navigation
Live demo – Microdiscectomy & surgery for thoracic ofl
- 45. Current concept in spinal deformity – SRS course in association with Chinese spine society October 13- 15, Schenzen, China**
Topic : Spinal biomechanics
Case based discussion of advanced spinal investigations
- 46. Instructional Course on Degenerative Disc Disease of Spine with live Surgery, Yenepoya Hospital, Mangalore October 7-8th 2017.**
Topic : Clinical evaluation of Lowback pain & radiculopathy
Principles of MISS
Live demonstration of Instrumented TLIF for L5- S1 lysthesis
- 47. APSS- APPOS 2017, GOA Sep 22 – 24 2017**
Topic : HOW I do it video – Vertebrectomy for Kyphosis
- 48. 52nd Annual Meeting & Course, Scoliosis Research Society (SRS), Philadelphia, PA - September 6, 2017 - September 9, 2017**
Topic : **Special poster presentation**
Effectiveness and Safety of Botropase, Tranexamic acid and a combination in Reduction of Blood loss in Lumbar Spinal Fusion Surgery(Shetty)
- Free paper presentation**
Does Preserving or Restoring Lumbar Lordosis Influence the Functional Outcome in Lumbosacral Tuberculous Spondylodiscitis? (Shetty)
- Poster presentation – Edgar Moe – Best poster nominee
Morphometric Evaluation of Occipital Condyle: Defining optimal trajectories and safe screw lengths for occipital condyle-based occipito cervical fixation in Indian population
- 49. ICS KOVALAM – August 11th – 13th 2017.**
Topic : Far lateral Lumbar Disc Herniation
High Dysplastic Spondylolysthesis -In Situ Fusion
TLIF/PLIF in Degenerative Spondylolysthesis
- 50. Meet the Masters Course, Pune, July 23rd 24th 2017**
Topic : Management of unstable Tharacolumbar fractures
Live demonstration – C67 bifacetal dislocation – anterior reduction & fixation
T1 secondaries with myelopathy – tumor excision & reconstruction
- 51. Annual Conference of Spine Association of Gujarat (SAG) 16th July 17, 2017,**

SAG Oration - "Spine Surgery is Safe"

Topic : Magnification and illumination how to choose ?

Arm Vs Navigation Vs conventional : necessity or Marketing ?

Oration- Safe Spine Surgery-Kal Aaj aur Kal

Coccygectomy

52. TNOA Clinical Documentation & Scientific Research - workshop on research methodology, 9th July 2017, Coimbatore

Topic : How to make a good presentation

53. AO Spine Advanced Course on Spinal Trauma, June 24-25 2017, Colombo

Topic : Fractures of the Atlas

Cervical Facetal Dislocation

Upper cervical spine - case discussion

Skin Care, Management of Pressure Sores

Case discussion – Thoracolumbar fractures

Late Deformities in Spinal Injuries

54. ASSI Spine Outreach Programme – June 4th 2017 –Course Chairman & Faculty

Topic : Step wise approach to lumbar microdiscectomy Lumbar disc prolapse

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symposium

Surgical aspects of spondylolisthesis

Thoracolumbar fractures – management guidelines

55. Faculty in Prof. Devadoss Masterclass, May 26th 2017

Topic : Symposium on common spine problems

56. Prof Ramani Spine Masters Course, April 23rd 2017

Topic : Non operative management of scoliosis

57. Ganga Operative Spine Course April 7th to 9th 2017 – Organizing Secretary

Live demonstration of all posterior global reconstruction for tuberculosis, posterolateral fusion for degenerative listhesis.

58. International Workshop on Clinical Spine Biomechanics, 4th & 5th March, 2017, Auditorium, ISIC, Program, 5th March, 2017

Topic : Biomechanics of osteoporotic fracture

59. ASSICON, Hyderabad, 26-29th January 2017

Topic : Adult deformity - planning & management

Spinal osteotomy – post traumatic kyphosis

60. HIC Awareness Programme - Ganga Hospital, CME programme, 10th January 2017

Topic : Best Practices to Decrease in Surgical Patients

- 61. IOACON December 2016, Cochin**
Topic : Post tubercular kyphotic deformity - evolution & management
- 62. Sri Sathya Sai Institute of Higher medical Sciences, Bangalore, 2016**
Topic : Congenital scoliosis- Evaluation and management
Scheurman kyphosis - Evaluation and management
Deformities associated with ankylosing spondylitis and their correction
Interesting case discussion/video- Kyphosis/Scoliosis
- 63. SRS worldwide course, 52nd Chilean Meeting of Orthopedics and Traumatology, November 17th-19th, 2016**
Topic : Neuromonitoring and intra-op neurologic complications
Normal alignment in paediatric population
Strategies for preventing implant failure in osteoporotic spine.
Post-infection deformities: management and surgery
Lenke type 1C curve – full correction not desirable
- 64. AOSpine Advanced Level Specimen Course in Cervical Spine, October 22-23, Bangalore**
Topic : Rationale for laminoplasty – Techniques Tricks, pearls, essentials and materials for good bony fusion
- 65. SRS 2016, Prague, Sep 21- 24**
Topic : Lunch time symposium - Increasing Access to Spine Surgery for Those Under-served
- 66. Ganga Paediatric Orthopaedic course – Sep 2-4 2016**
Topic : Management of neuromuscular scoliosis
- 67. Coimbatore orthopaedic society - August 20th**
Topic : Management of spinal Tuberculosis
- 68. AOSpine Advanced Operative Course in Degenerative Spine, 13th August 2016, Ahmedabad**
Topic : Sacrum and Iliac screws: tips and tricks
Lumbar disc prolapse recurrent
Osteoporosis fracture kyphotic deformity
Tandem stenosis
Live demonstrations - TLIF for Degenerative Isthesis L4
Surgery for Thoracic OLF, Cervical corpectomy for cervical myelopathy
- 69. ASSI live surgery course - JULY, 2016**
Topic : Panelist for the panel discussion on “Dorsal myelopathy: what is the best approach?”
Demonstrate a surgery on trans facetal decompression & stabilization of dorsolumbar
Live demonstration – osteotomy for post traumatic kyphosis .

- 70. TAPASU Mid term CME CUE, May 22, 2016, Coimbatore**
Topic : Non urologic manifestations of spinal disorders
- 71. Faculty at AO spine advanced cadaver course on degenerative spine at Bangalore, February 27-28, 2016**
Topic : Occipital cervical fixation – technique , tips & tricks
Spino pelvic fixation
Radiation safety
- 72. AOSpine Advanced Course Degenerative Spine and Trauma, 2016, Colombo, Srilanka**
Topic : Principles of minimally invasive surgery
Radiation hazards & safety for spine surgeons
Optimising results following spinal cord injury
Sacral fractures
Fracture of the ankylosed cervical spine
- 73. TNOACON 2016 – January 2016 Ooty**
Topic : Microbiology in orthopaedic practice
Faculty at spine workshop
- 74. Ganga Update on Musculoskeletal Radiology January 2016**
Topic : Radiation safety in the operating room
Neck pain with brachialgia - case scenario & clinician perspective
- 75. MOS CON, Aurangabad, 2016**
Topic : Incidental dural tears in lumbar spine surgery
- 76. Spine summit Asia Pacific – Hong Kong 2015 – Sep 25-27**
Topic : 25/9 - techniques to avoid failure in osteoporotic spine (association Colloquium 1
- 77. Ganga infection control awareness programme – sep 22**
Topic : Antibiotics – is it the answer
- 78. OAISCON 2015, AUG 24th Kodaikanal**
Topic : Reduction techniques in translational injuries of the thoracolumbar spine
- 79. Spine Society of Andhra Pradesh , 14th August**
Topic : Instructional course on lumbar disc
Radiological evaluation – Plain Xrays – What not to miss?
Microlumbar Discectomy – Tips & Tricks
- 80. TOSACON 2015, Hyderabad**
Topic : Posterior techniques in spondylolisthesis
Surgical strategy in thoracolumbar trauma
Management of cervical radiculopathy

81. **Faculty in Boscon Bangalore, 2015.**
Topic : Guest lecture – Optimising results following Spinal cord injury
82. **ICS Vizak, Aug 14- 16**
Topic : Assessment of Parameters of Progression in Idiopathic Scoliosis
83. **AO ORP Course – July 16th , Coimbatore**
Topic : Course Chairperson
- Course Chairperson AO Principles Course – July 17th – 19th Coimbatore**
Topic : Conservative treatment of thoracolumbar fractures when and how?
Management of spinal cord injury - what not to miss
Evaluation & Medical Management of Osteoporosis
Prevention of Post Operative Infections
84. **22nd IMAST, Whitecloud Award for Best Clinical Paper, July 8-11, Kaula lumpur**
Topic : Clinical and DTI evaluation of effectiveness of Riluzole in the treatment of early cervical spondylotic myelopathy - A double blinded, placebo-controlled Randomised controlled trial
85. **Faculty in Boscon Bangalore, 27th March 2015.**
Topic : Guest lecture – Optimising results following Spinal cord injury
86. **KOA Feb 6 - 8, Mysore**
Topic : Fixation in Osteoporotic Spine - How to Prevent Failure
Pre conference Workshop
87. **Workshop faculty - KOA Feb 6-8, Mysore**
Topic : Vertebroplasty, Pre Conference Workshop
88. **Management principles of early onset scoliosis**
KOA, Feb 6-8. Mysore
89. **13th Winter Symposium 2015, Christian Medical College, Vellore. Jan 9th 2015**
Topic : Use of diffusion tensor imaging for spinal cord and its clinical application
90. **Chennai course on thoracic instrumentation & cadaver workshop - chennai, December, 2014**
Topic : Thoracic pedicle screws
Cadaver workshop on thoracic pedicle instrumentation

91. **AOSpine Principles Seminar, Colombo, Srilanka, October, 2014**
Topic : Imaging of cervical spine trauma
Bifacetal dislocation with normal neurology

92. **AOSpine Principles Seminar, Colombo, Srilanka, October, 2014**
Topic : Surgical principles and selection of procedures in thoracolumbar spine injuries. (Ant/Post/short/long)
Video Cervical Corpectomy
Injection techniques in DDD
Introduction to spino-pelvic parameters
Faculty – TB spine symposium

93. **ICS Udaipur, August, 2014**
Topic : Infection or spinal tumours- Radiological dilemma

94. **CME Madurai, July 2014**
Topic : Posterior surgery for scoliosis
Cervicothoracic Injuries

95. **Ganga Operative Trauma Course, June 2014**
Topic : Tips and tricks of iliosacral screw fixation
SI Joint Fixation, Tips and Tricks

96. **CME of Midwest orthopaedic society, Salem - May, 2014**
Topic : Pyogenic Spodylodiscitis - Diagnosis And Management

97. **CME of Midwest orthopaedic society, Salem - May, 2014**
Topic : Management Of Tharacolumbar Fractures By Posterior Approach

98. **CME of Midwest orthopaedic society, Salem - May, 2014**
Topic : Interbody Fusion In Spondylolisthesis.

99. **Bone School, Sparsh Hospital, Bangalore, May 26th, 2014**
Topic : Evaluation & management of thoracolumbar fractures
Evaluation of scoliosis patient

100. **KMCH - Paediatric Orthopaedic Conference, KMCH Coimbatore, April 2014**
Topic : Scoliosis in children - spine at risk

101. **43rd Annual Meeting of the Japanese Society for Spine Surgery and Related Research, Kyoto, Japan April - 2014**
Topic : Hemivertebrectomy- indications & technique

102. **Symposium on Idiopathic Scoliosis – Lake Shore Hospital, Cochin, March 2014**
Topic : Bracing in scoliosis
Proximal thoracic curve – DIAGNOSIS AND MANAGEMENT

- 103. Ganga operative spine course live demonstration**
Topic : Instrumented posterolateral fusion for degenerative spodylolisthesis
- 104. AOSpine Advanced Level Specimen Course, Feb 27th Ahmedabad**
Topic : Odontoid fractures pearls and pitfalls of junctional approaches and Instrumentation techniques
Pearls and pitfalls of junctional approaches and instrumentation techniques
Lateral mass screw fixation
- 105. Global reconstruction from all posterior approach in tharacolumbar spine - AOSpine**
Advanced Level Specimen Course, Feb 27th Ahmedabad
Topic : pearls and pitfalls of junctional approaches and instrumentation techniques
- 106. CME , TNOACON, Salem 13th Feb 2014**
Topic : Early evaluation & management of cervical spine injury
- 107. 27th Annual Conference of Association of Spine Surgeons of India (ASSICON 2014) Conference, Hyatt Regency, Kolkata, January, 2014**
Topic : Biopsy of spine tumors
Subaxial cervical spine injury – role of anterior & posterior surgery
Hemi vertebrae excision in congenital scoliosis (Presentation for VTI medal