

CURRICULUM VITAE

Dr. Bhavuk Garg

Professor

Department of Orthopedics, AIIMS, New Delhi

M.B.B.S.

M.S. Orthopaedics (A.I.I.M.S.)

FACS, MRCS (Glasgow), FIMSA, FICS, MAMS, FHTS

Fellow in trauma and orthopaedic surgery (Germany)

AADO Trauma Fellow (Hong Kong)

Dartmouth Spine Fellow (USA)

Fellow in Arthroplasty (J&J)

ASSI Spine Fellow

J & J Fellow (IOA)

SRS Spine global outreach fellow

IASA visiting fellow

Fellow in hard tissue sciences (FHTS)

Fellow of International Medical Sciences Academy (FIMSA)

Former Research Associate (ICMR, CSIR)

Fellow of International College of Surgeons (FICS)

Faculty: School of International Biodesign

Chair: SICOT Spine committee, ASSI research committee

Former Member: NASS International Education Committee, SRS CME Committee, SRS patient education committee

Member: NASS spine deformity committee, NASS Section on Robotics, Emerging Technologies & MIS

Young Fellows Association (YFA) Liaison Representative to the American College of Surgeons Advisory Council for Orthopaedic Surgery.

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Dr. BHAVUK GARG

Present post: Professor (Orthopaedics), AIIMS, New Delhi

Former Assistant Professor (orthopedics), PGIMER, Chandigarh

- **Best outgoing graduate of Delhi in MBBS: Delhi medical association gold medal, A total of 51 academic awards and medals including 15 gold medals, Award for Best New Methodologies and Techniques to Enhance Safety in Spine Surgery 2021, DBT-Biotech Product Process Development and Commercialisation Award 2020, GAPIO Karl Storz surgical excellence award 2020, IFFN consolation prize for best slogan 2020, DOA best publication award more than 40 years of age 2019, 2021, DOA best publication award 2018 under 40 years of age, Asia Pacific Mimics innovation Award 2019 (First Prize), Worldwide Achiever healthcare personality of the year: Orthopedic Surgeon Award 2018, Young Fellows Association (YFA) Liaison Representative to the American College of Surgeons Advisory Council for Orthopaedic Surgery, DBT “Innovative Young Biotechnologist Award 2013”, One of the patent holder of FlexiOH™: Winner of Gandhian Young Technological Innovation Award-2015, Recipient of American college of Surgeons: Young Fellow Mentorship program 2015-2016, AO Trauma Asia pacific research grant 2017, Asia Pacific Mimics innovation award 2019, *Featured in global 2% top researchers list released by Stanford University 2023, youngest among 9 names in India***

- NASI- Reliance platinum jubilee award in Biological Sciences 2022
- AOSYS SICOT India award 2022
- Sitaram Jaipuria Foundation Award for Emerging Young Leader in Medicine’ for the year 2022.
- ASSI Basic Sciences research Award 2022, SICOT Basic Sciences research Award 2022
- IOA silver jubilee oration award 2021
- AIIMS research excellence award 2020
- Honorary fellow: Global Association of Physicians of Indian Origin (GAPIO)
- Member: North American Spine society committee on spinal deformities, ex- member International education committee,
- Former Member: SRS CME committee, SRS patient education committee
- Young Fellows Association (YFA) Liaison Representative to the American College of Surgeons Advisory Council for Orthopaedic Surgery.
- AOSpine international faculty
- Faculty: School of International Biodesign
- Worked as consultant at PGI Chandigarh
- Have 6 international and 4 national fellowships including AADO fellowship
- First Indian and youngest ‘Scoliosis Research Society’ global outreach clinical spine fellow
- Youngest Indian as Dartmouth spine fellow (USA)
- Invited by Stanford university for Stanford-India Biodesign program, youngest doctor, one of the first 8 members of Stanford India Biodesign alumni
- A total of 285 international and national paper publications in reputed journals
- Authored two international book on spine, published 38 chapters in various international & national textbooks, 3 invited chapters in process
- 217 guest lectures in various national and international meetings
- 115 paper presentations in various national and international meetings
- 78 posters in in various national and international meetings
- Designed “AIIMS plate”, Pin”, and plate for distal humerus osteotomy and femoral osteotomy, Patient controlled wrist splint, Conceptual design of pedicle screw Zig (Manual and digital), member of school of international biodesign, FlexiOH
- Member: editorial board of Indian journal of orthopedics and world journal of orthopedics, Co-editor of “Orthopaedics Today” and “Punjab Orthopaedic Journal”, Assistant editor: Indian journal of orthopedics, Associate editor: Journal of clinical orthopedics and trauma
- Reviewer of 8 orthopaedic International journals
- Member of 30 national and International professional bodies, Held official posts in 8 professional bodies, Member spine20 scientific task force
- Member, Therapeutic exemption committee, National Anti-Doping agency
- Part of organization team of >30 national and international orthopaedic meetings
- Worked in several research projects under AIIMS, ICMR, DBT and CSIR, several international offers for collaboration, several research projects undergoing, AO trauma Asia Pacific Research Grant 2017.

PERSONAL DETAILS

NAME : Bhavuk Garg
DATE OF BIRTH : 05.07.1979
MARITAL STATUS : Married
D.M.C. Registration no. : DMC/R/00470
PRESENT ADDRESS : Department of orthopaedics, AIIMS, New Delhi, India-110029
PERMANENT ADDRESS : F-95, Ansari Nagar west, AIIMS, New Delhi-110029
E-MAIL : drbhavukgarg@gmail.com

ACADEMIC QUALIFICATIONS : M.B.B.S., M.S. (Orthopaedics),
MAMS, MRCS (Glasgow), SRS fellow
ASSI SPINE FELLOW,

Fellow in Arthroplasty (J&J),
APOA spine Fellow,
Dartmouth Spine fellow (USA),
Fellow in trauma and Orthopaedic surgery (Germany),
DOA travelling fellow,
AADO trauma fellow (HK),
Research Fellowship (ICMR, CSIR),
J & J fellow (IOA), FIMSA, FACS

PRESENT POST : Additional Professor
Department of Orthopaedics,
AIIMS, New Delhi

EDUCATION

High school (U.P. Board)	1994	Merit list holder, Distinction in Hindi, Maths, Science, Social Science, Biology
Intermediate (U.P. Board)	1996	Distinction in Physics, Chemistry, Biology
Pre Medical Entrance	1996	7th in State
MBBS (Delhi University)	2001	University College of Medical sciences & GTB hospital, Delhi, India

(1st in 1st professional, 2nd in 2nd professional, 1st in 3rd professional, DMA Gold medalist for best all rounder)

Post graduation Entrance Jan. 2002 AIIMS MD/MS Entrance Examination

M.S. (Orthopaedics)	Dec. 2005	AIIMS, New Delhi
MRCS	Sep 2009	RCPSG (Glasgow)
Senior Residency	3 years (AIIMS)	

Senior Research fellowship (ICMR)	May 2006
Fellowship in Arthroplasty	Aug. 2006
Fellowship in Orthopaedics and Trauma surgery	2008
ASSI spine traveling Fellowship	2008
Dartmouth spine fellowship	2008
J & J fellow (IOA)	2009
Fellow of International Medical Sciences Academy	2013
FACS	2014
AADO trauma fellow	2014
FICS	2015
GAPIO honorary fellow	2022

ACADEMIC AWARDS

1. Medical dialogue Blackbuck research award 2024
2. IMA academic award 2024
3. DMA-Distinguished Medical Services award in the field of orthopedics 2023
4. NASI-Reliance 2022 award platinum jubilee award in Biological Sciences 2022
5. AOSYS SICOT India Award
6. Nuvasive SICOT award 2022
7. Sitaram Jaipuria Award for Emerging Young Leader in Medicine' for the year 2022.
8. SICOT Basic Sciences Award 2022
9. ASSI Basic Sciences Award 2022
10. DOA traveling fellowship 2022
11. DOA Best publication award >40 years category 2021
12. IOA silver jubilee Oration Award 2021
13. Award for Best New Methodologies and Techniques to Enhance Safety in Spine Surgery 2021
14. ISCR's – ACCRI National Award for Excellence in Academic Clinical Research 2021
15. DBT-Biotech Product Process Development and Commercialisation Award 2020
16. GAPIO Karl Storz surgical excellence award 2020
17. IFFN consolation prize for best slogan 2020
18. DOA best publication award more than 40 years of age 2019
19. DOA best publication award 2018 under 40 years of age
20. Asia Pacific Mimics innovation Award 2019
21. Worldwide Achiever healthcare personality of the year: Orthopedic Surgeon Award 2018
22. Young Fellows Association (YFA)Liaison Representative to the American College of Surgeons Advisory Council for Orthopaedic Surgery.
23. One of the patent holder of FlexiOH™: Winner of Gandhian Young Technological Innovation Award-2015
24. Recipient of American college of Surgeons: Young Fellow Mentorship program 2015-2016
25. Recipient of American college of Surgeons: Young Fellow Mentorship program 2015-2016
26. DBT "Innovative Young Biotechnologist Award 2013"
27. Prize for securing 100% marks in workshop " How to write research grant proposal", AIIMS, Aug 2012
28. Selected for AADO scholarship to attend OTA meeting in USA, 2012
29. Selected for Ambassadorship of IOA for Singapore 2012
30. Delhi orthopedic association publication award 2012
31. Delhi orthopedic association publication award 2013
32. Consolation prize in Hindi debate competition, AIIMS, Sep 2014
33. Delhi Medical Association gold medal for "Best outgoing graduate of the year-2000" in MBBS
34. Dr. V.P. Chaddha memorial medal 2000 for being the best candidate in MBBS in Surgery held in 2000
35. Dr. Krishnkumar gupta award for standing first in Forensic medicine (MBBS-IInd prof.) held in 1999
36. Kanhayalal gulati award for standing first in Physiology (MBBS-Ist prof.) held in 1997
37. Ram chand dua award for standing first in Ist MBBS held in 1997
38. Merit award for standing first in aggregate in Ist MBBS held in 1997
39. Pothapragda award for standing first in Biochemistry (MBBS-Ist prof.) held in 1997

40. Distinction in Biochemistry (MBBS-Ist prof.) held in 1997
41. Dr. Abhijeet Malhotra memorial medal for standing first in aggregate in final prof. MBBS
42. Merit award for standing first in aggregate in final prof. MBBS
43. Rukmani Gopal Krishnan memorial medal for standing first in Surgery in MBBS held in 2000
44. Merit award for standing first in Surgery in MBBS held in 2000
45. Dr. S.K. Goel award for standing first in ENT in MBBS held in 2000
46. Merit award for standing first in ENT in MBBS held in 2000
47. K. Sridharan award for standing first in Ophthalmology in MBBS held in 2000
48. Merit award for standing first in Ophthalmology in MBBS held in 2000
49. Merit award for standing second in Pathology in MBBS held in 1999.
50. Merit award for standing second in aggregate in IInd MBBS held in 1999
51. Merit award for standing second in Anatomy in MBBS held in 1997
52. Winner of college round of 13th IAP (Indian Academy of pediatrics) Pediatric Quiz 2000
53. Winner of Zonal round of 13th IAP (Indian Academy of pediatrics) Pediatric Quiz 2000
54. First runner-up in divisional round of 13th IAP (Indian Academy of pediatrics) Pediatric Quiz 2000
55. Winner of college round of 11th IAP (Indian Academy of pediatrics) Pediatric Quiz 1998
56. Winner in the Quarterfinals of the Glaxo welcome Medimind Talent search contest 2000
57. First runner-up in the Semifinals of the Glaxo welcome Medimind Talent search contest 2000
58. Winner of the Medical Quiz in RIPPLE 2001(Delhi intercollege festival of university college of medical sciences)

ACADEMIC DISTINCTIONS

1. *Expert for project review committee, ICMR*
2. *Expert, DBT TEC committee for stem cells*
3. *Faculty: School of International Biodesign*
4. *AO Faculty education program completed at Xian, China, 26-27th May 2018*
5. *Member, SRS Communication committee*
6. *Member, SICOT spine committee*
7. *Member, SICOT educational day committee*
8. *Young Fellows Association (YFA) Liaison Representative to the American College of Surgeons Advisory Council for Orthopaedic Surgery.*
9. *Chair, ASSI Covid Task Force 2020-21*
10. *Member, SRS diversity focus group*
11. *Member, Spinal deformity committee, North American Spine Society*
12. *Former Member: International Education Committee, North American Spine Society*
13. *Former Member, SRS CME committee*
14. *Former Member, SRS Patient education committee*
15. *Former Program Chair: M.Ch (orth.) Texilla University, South America*
16. *Former Co-guide for (PhD) program, Texilla University, South America*
17. *Mentor in AO Access Mentorship program*
18. *Chair: SICOT spine committee 2022-24*
19. *Vice Chair: SICOT spine committee 2020-22*
20. *Co-chair: ASSI research committee 2021-23*
21. *Chair: ASSI research committee: 2023-2025*
22. *Selected for induction into American college of surgeons academy of master surgeons educators*
23. *Appointed as a Member of the Section on Robotics & Navigation at North American Spine Society*
24. *Featured in global 2% top researchers list released by Stanford University 2023, youngest among 9 names in India*
25. *Invited Member of Vattikuti Foundation (VF) Network of specialists in minimally invasive surgery.*
26. *Chief Guest, IIT Biofabrication workshop BioTexx 2023*

Patents

1. IMPROVED BONE COMPRESSION PLATE AND ITS METHOD OF USE THEREOF
2266/DEL/2011A
2. Flexi-OH

3. Total elbow replacement
4. RIP screw/Falcon construct*
5. SCOV*
6. Magnetic growth rod*
7. Thoracic laminar screw system*

CLINICAL EXPERIENCE

Experience Gained at ALL INDIA INSTITUTE OF MEDICAL SCIENCES INDIA

Department of Orthopaedics (Jan 2002 to Dec 2004)

Three years at the department of Orthopaedics and Accident & Emergency at the above mentioned prestigious teaching institute and hospital. This institute is the premier teaching medical colleges of India and has about 2000 beds.

This orthopaedic department is equipped with most of the modern facilities like image intensifiers, operating microscope, intraoperative nerve stimulator and arthroscopy equipment. The department is extensively into field of knee and hip arthroplasty, scoliosis and spine trauma surgery, hand surgery, tumor surgery, knee, shoulder and wrist arthroscopy and management of congenital orthopaedic anomalies. The department of Orthopaedics at A.I.I.M.S. runs separate scoliosis, Hand, CTEV, Sports medicine and Polio clinics providing an unmatched clinical exposure. Department is doing pioneering work in minimal invasive two incision hip arthroplasty, endoscopic discectomy, bone allografts in orthopaedic, thoracoscopic spine surgery and instrumentation in India.

During my three year tenure in the department, as resident I was exposed to most of the major and minor elective as well as emergency orthopaedic problems. I had exposure to arthroplasty, trauma, pediatric orthopaedic, spinal surgery, bone tumors and arthroscopies. I was actively involved in patient management, initially under supervision and later on independently.

I gained satisfactory experience of managing patients with polytrauma during my posting in the accident & emergency department.

I did my thesis on **Micro-endoscopic discectomy** for two and half years.

Department of Orthopaedics

(Feb 2005 to May 2005)

Worked as a Research associate in the ICMR sponsored project aiming to determine the therapeutic range of temperature for heat therapy in Indian patients. These three months as a research fellow and a clinical associate gave me opportunity to work under the supervision of Prof. S. Bhan and Mrs. Kanchan Mittal, a senior physiotherapist at AIIMS and to gain skills in form planning, surgical skills and data collection and analysis.

Fellowship in Arthroplasty

(Feb2005 to Aug2005))

I had the opportunity to do a fellowship under supervision of Prof. S. Bhan, sponsored by Johnson and Johnson (USA) and closely observe and assist in adult reconstruction surgeries of hip and Knee, first under supervision and then independently. During this fellowship, I learned various technical, clinical and surgical skills both in knee and hip arthroplasty including the revision surgeries.

Department of Emergency Medicine and Traumatology

(July 2005 to Dec 2005)

Six months of tenure as casualty medical officer as a part of senior residency programme provided me the opportunity to work together with personals from other disciplines e.g. general surgery, neurosurgery and medicine and helped me open my mind while dealing with emergent clinical situations and take prompt decision for overall patient care. I gained a reasonable experience with various life saving procedures like C.P.R., Intubations, chest tube insertion and insertion of central lines. I had opportunity to deal with various orthopaedic compound injuries and life threatening orthopaedic injuries like pelvic fractures and cervical spine injuries and also disaster management.

Department of Orthopaedics

(May 2005 –May 2008)

Working as a Senior Resident in the department of Orthopaedics at AIIMS, I had the opportunity to perform various elective and emergency procedures independently, e.g. interlocking nail, dynamic hip screw for intertrochanteric fracture, Dynamic compression plating, CTEV and club hand surgery, joint replacements,

spinal instrumentation, various arthroscopic procedures at wrist, knee and shoulder, tumour surgeries including reconstruction and hand surgeries. I had the opportunity to participate in various undergraduate and postgraduate teaching activities. These months inculcated in me the confidence about decision-making, planning and execution of the surgical skills in various clinical situations.

ASSI Spine Fellowship

(Jan 2008- Feb 2008)

Fellowship in Orthopaedics & Trauma Surgery (Germany)

(May 2008-June 2008)

Dartmouth Hitchcock Spine Fellowship (USA)

(Oct 2008-Nov 2008)

Senior Research Associate (CSIR)

(June 2008 till May 2011)

Assistant Professor (Orthopedics) PGIMER Chandigarh

(May 2011 to Apr 2012)

Assistant Professor (Orthopedics) AIIMS, New Delhi

(Apr 2012 till June 2015)

Associate Professor (Orthopedics) AIIMS, New Delhi

(July 2015-June 2018)

Additional Professor (Orthopedics) AIIMS, New Delhi

(July 2018-till now)

Fellowships

- a) Fellowship in Joint Replacement (Depuy)
- b) ASSI Spine Fellow 2008
- c) Fellowship in Orthopaedics and Trauma Surgery, Germany
- d) Dartmouth Spine Fellowship in USA,
- e) Member of Stanford-India Biodesign Alumni, called to Stanford University for presenting innovative concept design
- f) Robert Roaf Fellow for 2009
- g) SRS global outreach spine fellow
- h) FIMSA in 2013
- i) Fellow of American College of Surgeons
- j) Delhi Orthopedic Association Travelling Fellowship 2013
- k) AADO Trauma fellowship, Hong Kong 2014
- l) IASA visiting fellowship, Washington university, ST Louis, 10-18th May 2018
- m) Honorary fellow: Global Association of Physicians of Indian Origin (GAPIO)

Observerships

1. Dr. Hyun Bae, 17th Sep 2007-24th Sep 2007, Spine institute of Santa Monica, LA, USA
2. PEAK program 2017
 - a. Dr. Robert Lee: Royal Hospital Stanmore, UK, 23-24th April 2017
 - b. Dr. Dominick Kaiser, Klinikum Frankfurt, Germany, 25-27th April 2017

PAPER PUBLICATIONS

International Journals

1. **Bhavuk Garg, Krishnakiran E, Malhotra R, Bhan S. Hydatid cyst of proximal humerus. Postgraduate Medical Journal. 2005 Jun;81(956):411-2. PMID: 15937212, DOI: [10.1136/pgmj.2004.025452](https://doi.org/10.1136/pgmj.2004.025452). (Impact Factor: 2.40)**
2. **Bhavuk Garg, Malhotra R, Bhan S. Pigmented villonodular synovitis. J.Orthopaedics. 2005;2(4)e4. ISSN 0972-978X. <http://www.jortho.org/2005/2/4/e2>**
3. **Bhavuk Garg, Sharma V Krishnakiran E, Malhotra R, Bhan S. An unusual presentation of eosinophilic granuloma in an adult: a case report. J Orthop Surg (Hong Kong). 2006 Apr; 14(1):81-3. PMID: 16598094, DOI: [10.1177/230949900601400118](https://doi.org/10.1177/230949900601400118) (Impact Factor: 1.47)**

4. **Bhavuk Garg**, Sharma V, Gupta V, Kotwal PP. Reduction and pinning of pediatric supracondylar humerus fractures in the prone position-Is it really harmless. Journal of Orthopaedic Trauma. 2007 Jan;21(1):77. PMID: **17211278**, DOI: [10.1097/BOT.0b013e31802da242](https://doi.org/10.1097/BOT.0b013e31802da242) (**Impact Factor: 2.51**)
5. Malhotra R, **Bhavuk Garg**, Logani V, Bhan S. Management of Extensor Mechanism Deficit as a Consequence of Patellar Tendon Loss in Total Knee Arthroplasty. J Arthroplasty. 2008 Dec;23(8):1146-51. PMID: **18534509**. DOI: [10.1016/j.arth.2007.08.011](https://doi.org/10.1016/j.arth.2007.08.011). (**Impact Factor: 4.75**)
6. **Bhavuk Garg**, Pankaj A, Malhotra R, Bhan S. **Results of treatment of pediatric flexion type supracondylar fracture around elbow**. J Orthop Surg (Hong Kong), 2007;15(2):174-6. PMID: **17709856**. DOI: [10.1177/230949900701500210](https://doi.org/10.1177/230949900701500210). (**Impact Factor: 1.47**)
7. **Bhavuk Garg**, Sharma V, Gupta V. An unusual cause of shoulder pain in an adult. New Zealand medical journal. 2007 Aug 24;120(1260):U2687. PMID: **17726501**
8. **Bhavuk Garg**, Sharma V, , Khan SA, Rastogi S. Massive recurrent tumoral calcinosis : A rare presentation. Acta orthopaedica Belgica. 2011, 77, 410-13. (**Impact Factor: 0.83**)
9. **Bhavuk Garg**, Upendra BN, Jayaswal A. Microendoscopic versus open discectomy for lumbar disc herniation: a prospective randomised study. J Orthop Surg (Hong Kong) 2011 Apr;19(1):30-4. PMID: **21519072**, DOI: [10.1177/230949901101900107](https://doi.org/10.1177/230949901101900107). (**Impact Factor: 1.47**)
10. Malhotra R, Kumar V, **Bhavuk Garg**. The use of tranexamic acid to reduce blood loss in primary cementless total hip arthroplasty. European journal of Orthopaedics and traumatology. 2011, vol. 21, 101-104. DOI:[10.1007/s00590-010-0671-z](https://doi.org/10.1007/s00590-010-0671-z). (**Corresponding author**) (**Impact Factor: 1.79**)
11. **Bhavuk Garg**, Mittal R, Rastogi S. Femoral prosthesis neck fracture following total hip arthroplasty : A case report. Acta orthopaedica Belgica. 2011 Jun;77(3):406-9. PMID: **21846014**. (**Impact Factor: 0.83**)
12. **Bhavuk Garg**, Gupta H, Kotwal PP. "Nontraumatic Osteonecrosis of Distal Pole of the Scaphoid: A Rare Occupational Hazard". Indian J Orthop. 2011 Mar–Apr; 45(2): 185–187. doi: [10.4103/0019-5413.77142](https://doi.org/10.4103/0019-5413.77142), PMID: [21430877](https://pubmed.ncbi.nlm.nih.gov/21430877/). (**Impact Factor: 1.09**)
13. **Bhavuk Garg**, Madan M, Kumar V, Malhotra R. Sacroiliac Typhoid: A case report and review of literature. Journal of Orthopaedic Surgery, 2011, 19 (2): 244-46. PMID: **21857055**, DOI: [10.1177/230949901101900224](https://doi.org/10.1177/230949901101900224). (**Impact Factor: 1.47**)
14. **B. Garg, Upendra B, A. Jayaswal**. Neck reconstruction (AIIMS Box Technique) in the management of large femoral neck defects. Hip international : 2011;21(1):112-7. PMID: **21279960**, DOI: [10.5301/hip.2011.6280](https://doi.org/10.5301/hip.2011.6280). (**Impact Factor: 2.13**)
15. **Bhavuk Garg**, Kotwal PP "Giant cell tumor of tendon sheath: whom to give postoperative radiotherapy (AIIMS Classification)". Journal of Orthopaedic Surgery, 2011;19 (2): 218-20. PMID: **21857049**, DOI: [10.1177/230949901101900218](https://doi.org/10.1177/230949901101900218), (**Impact Factor: 1.47**)
16. Malhotra R, **Bhavuk Garg**, Kumar V. 'Use of Dual Massive Skeletal Allograft in Revision Total Knee Arthroplasty" Indian journal of Orthopaedics, 2011, 45 (4), 368-71. PMID: **21772633**, DOI: [10.4103/0019-5413.82345](https://doi.org/10.4103/0019-5413.82345). (**Corresponding author**) (**Impact Factor: 1.09**).
17. Jalan D, **Bhavuk Garg**, Kanniraj M, Kotwal PP. Giant lipoma: an unusual cause of carpal tunnel syndrome. The Pan African Medical Journal. 2011;9:29. PMID: **22355434**, DOI: [10.4314/pamj.v9i1.71205](https://doi.org/10.4314/pamj.v9i1.71205). (**Impact Factor: 0.15**).
18. **Bhavuk Garg**, Kandwal P, Goswami A, Upendra BN, Jayaswal A. Anterior vs. posterior approach for thoracolumbar tuberculosis. Indian journal of Orthopaedics. 2012;46(2):165-170. PMID: **22448054**, DOI: [10.4103/0019-5413.93682](https://doi.org/10.4103/0019-5413.93682). (**Impact Factor: 1.09**).
19. Kandwal P, **Bhavuk Garg**, Goswami A, Upendra BN, Jayaswal A. Minimally invasive surgery for Pott's spine. Indian journal of Orthopaedics. 2012; 46 (2):159-164. PMID: [22448053](https://pubmed.ncbi.nlm.nih.gov/22448053/), doi: [10.4103/0019-5413.93680](https://doi.org/10.4103/0019-5413.93680). (**Impact Factor: 1.09**).
20. Rawall S, Bali K, Upendra B, **Bhavuk Garg**, Jayaswal A. Displaced femoral neck fractures in the young: significance of posterior comminution and raised intracapsular pressure. Archives of

- Orthopaedics and trauma surgery. 2012;132(1):P 73–79. PMID: **21928054**, DOI: [10.1007/s00402-011-1395-1](https://doi.org/10.1007/s00402-011-1395-1). **(Impact Factor: 2.96)**.
21. **Bhavuk Garg**, Goyal T, Kotwal PP. Triple jeopardy: transscaphoid, transcapitate, transtriquetral, perilunate fracture dislocation. J Orthop Traumatol. 2013, Sep; 14(3): 223-6. PMID: **22476357**, DOI: [10.1007/s10195-012-0195-x](https://doi.org/10.1007/s10195-012-0195-x). **(Impact Factor: 2.51)**.
 22. Bhagwat K, **Bhavuk Garg**, Agarwal S, Dhillon MS. Bilateral inferior dislocation of the hip--a case report". Chin J Traumatol. 2012 Apr 1;15(2):121-3. PMID: **22480678**, **(Impact Factor: 1.56)**.
 23. Dhillon MS, **Bhavuk Garg**, Soni RK, Dhillon H, Prabhakar S. Nature and Incidence of Upper Limb Injuries in Professional Cricket Players: A Prospective Observation. Sports Medicine, Arthroscopy, Rehabilitation, and Therapy & Technology. 2012 Nov;4:42.
 24. Batra S, **Bhavuk Garg**, Arora S. Large soft tissue osteochondroma of the heel: a case report and literature review. Musculoskelet Surg. 2013 Dec;97(3):255-8. **(Impact Factor: 2.05)**.
 25. **Bhavuk Garg**, Goyal T, Kotwal PP. Staged reduction of neglected transscaphoid perilunate fracture dislocation: A report of 16 cases. J Orthop Surg Res. 2012 May 20;7(1):19
 26. Soumya Chakraborty, **Bhavuk Garg**, Kumar V et al. Tubercular pseudotumor of thigh, Pan Afr Med J. 2012;12:29. **(Impact Factor: 1.90)**.
 27. Oestern HJ, **Bhavuk Garg**, Kotwal P. Trauma care in India and Germany. Clin Orthop Relat Res. 2013 Sep;471(9):2869-77. **(Impact Factor: 4.09)**.
 28. Singla A, Shankar V, Mittal S, **Bhavuk Garg**. Bastrup's disease: The kissing spine. World J Clin Cases 2014 February 16; 2(2): 45-47. **(Impact Factor: 1.74)**.
 29. **Bhavuk Garg**, Jalan D, Kotwal PP. Ewing's Sarcoma of the Sacroiliac Joint Presenting as Tubercular Sacroiliitis: A Diagnostic Dilemma. Asian Spine J. 2014 Feb;8(1): 79-83. **(Impact Factor: 1.25)**.
 30. **Bhavuk Garg**, Pannu CD, Poudel RR, Morey V. Author Response: Isolated Spontaneous Primary Tubercular Erector Spinae Abscess: A Case Report and Review of Literature. Asian Spine J. 2015 Oct;9(5):831-2. **(Impact Factor: 1.25)**.
 31. **Bhavuk Garg**, Pannu CD, Poudel RR, Morey V. Isolated spontaneous primary tubercular erector spinae abscess: a case report and review of literature. Asian Spine J. 2015 Apr;9(2):276-80. **(Impact Factor: 1.25)**.
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Guest Editor

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42. Mukherjee RN, Goyal A, **Garg B**. Surgical Treatment of TB Kyphosis. InTuberculosis of the Spine 2022 (pp. 325-340). Springer, Singapore.
43. **Bhavuk Garg**, Ahuja K. Role of BMP in spinal pathologies. Dhillon M et al
44. IONM -operating room ASSI
45. Bhavuk Garg. Expert case reviewer. **Lumbar degenerative spondylolisthesis**. Comparative Management of Spine Pathology, ed by Kaisorn L. Chaichana, Alfredo Quiñones-Hinojosa. Elsevier, Philadelphia, 2023
46. Bhavuk Garg. Expert case reviewer. **Recurrent herniated disc at the same level in a young patient**. Comparative Management of Spine Pathology, ed by Kaisorn L. Chaichana, Alfredo Quiñones-Hinojosa. Elsevier, Philadelphia, 2023
47. Bhavuk Garg. Expert case reviewer.**Central cord syndrome without instability**Comparative Management of Spine Pathology, ed by Kaisorn L. Chaichana, Alfredo Quiñones-Hinojosa. Elsevier, Philadelphia, 2023
48. Bansal T, Garg B. DEGENERATIVE DISORDERS OF LUMBAR AND CERVICAL SPINE.Textbook of Orthopaedics for undergraduates. May 2023, editor: P N Gupta
49. Garg B, Vatsya P. Soft tissue and musculoskeletal Point of care Ultrasound. Practical guide to PoC Ultrasound A simplified approach. Ed Puneet Khanna, Bhavana K. Jaypee Brother medical publishers. New Delhi, India, 2023, 117-128
50. Garg, B., Aryal, A. (2023). Preoperative Evaluation and Imaging in AIS. In: Zacharia, B., Raja, S.D.C., KV, N. (eds) Paediatric Scoliosis . Springer, Singapore. https://doi.org/10.1007/978-981-99-3017-3_3

Chapters invited and submitted

1. ASSI theatre book
2. Amit jhala ASSI book

3. Dilip Raja book
4. punit POCUS chapter
- 5.

Chapters edited

1. Hegde SK, Panda A. Newer techniques in Lumbar Spine Surgery. Textbook of Orthopaedics and Trauma – 3rd Edition 4 Volumes – GS Kulkarni”.
2. David KS, Kumar A, Kumar N. Surgery of Lumbar Canal Stenosis. Textbook of Orthopaedics and Trauma – 3rd Edition 4 Volumes – GS Kulkarni”.
3. Upendra BN, Khujrekar K. Cervical Canal Stenosis. Textbook of Orthopaedics and Trauma – 3rd Edition 4 Volumes – GS Kulkarni”.
4. Jhala A, Banerji D. Ossification of the Posterior Longitudinal Ligament. Textbook of Orthopaedics and Trauma – 3rd Edition 4 Volumes – GS Kulkarni”.

Guest lectures

1. Communication skills. ICS 2009, Khajuraho, Aug 2009
2. Is all spinal infection TB? Bactec, PCR, IgG, IgM-making sense of it all. ICS 2009, Khajuraho, Aug 2009
3. Micro endoscopic discectomy. ASSICON workshop 2010, Nagpur, Jan 2010.
4. High-grade spondylolisthesis. ASSICON, Nagpur, Jan 2010
5. Scaphoid Fracture, DOACON, New Delhi, Jan 2010
6. Management of open fractures in hand, DOACON, New Delhi, Jan 2010
7. Applied anatomy of Disc. Medtronics workshop. February 2010, New Delhi
8. Pilon Fractures. South Delhi Association meeting. April 2010, New Delhi
9. Role of bone graft/ bone substitutes in distal radius fractures. AO skeletal focus. June 2010, New Delhi
10. When posterolateral fusion fail in degenerative spondylolisthesis. ICS 2010, Mysore, Sep 2010
11. AO distal humerus system. Medanta, New Delhi. Sep 2010
12. Technique of ESIN. WIROC ESIN workshop, Bombay, Nov 2010
13. ESIN for humerus. WIROC ESIN workshop, Bombay, Nov 2010
14. Role of classifications in decision making in scoliosis. IOACON 2010, Advanced spine workshop, Dec 2010
15. MED surgical technique. IOACON 2010, Advanced spine workshop, Dec 2010
16. Complex Carpal Injuries. DOACON 2010, New Delhi, Jan 2011.
17. A forbidden route. Delhi spine society meeting, Manesar, May 2011
18. Wound Closure. MAWE. New Delhi, May 2011
19. Sports injuries of wrist. IFSM annual meeting, Chandigarh, Oct 2011
20. Randomized controlled trials. IOACON 2011, Noida, Dec 2011.
21. Subaxial cervical spine injuries. Synthes spine workshop, Ludhiana, Feb 2012
22. Cervical spine case: Synthes spine workshop, Ludhiana, Feb 2012
23. Microendoscopic discectomy: why it is best. WESS congress, Chandigarh, Feb 2011
24. Osteoporotic spine fracture symposium, ASSICON, New delhi, Feb 2012
25. Lower cervical spine injuries. AIIMS PG course. New delhi, Feb 2012
26. Orthobiologics: fact, fiction or marketing. Jamnagar, Sep 2012
27. Distal radius, what approach, what implant, when 2 plates. Jamnagar, Sep 2012
28. DVT prophylaxis in orthopedic trauma. What agent and for how long. Jamnagar, Sep 2012
29. Innovation in orthopedics: good for whom. Jamnagar, Sep 2012
30. Management of Open fractures of hand, DOACON basic hand course , Nov 2012, New Delhi
31. Osteoporosis & Spine, DOA PG teaching course, Jan 2013, AIIMS, New Delhi
32. Spine interesting Cases, Delhi spine society meeting, 20th Apr, 2013, New Delhi
33. Communication skills in Orthopedics, 13-15th Sep 2013, Goa
34. Sports injuries of wrist, 13-15th Sep 2013, Goa
35. Subaxial cervical spine trauma, 13-15th Sep 2013, Goa

36. Trauma, interesting case, 13-15th Sep 2013, Goa
37. Replacing the joint; the reverse way, 13-15th Sep 2013, Goa
38. Complications of Disc Surgery, 8-10th Nov 2013, WENMISS, New Delhi
39. Scaphoid fracture, Operative symposium on wrist injuries, Nagpur, 24th Nov 2013
40. Distal radius fractures, Operative symposium on wrist injuries, Nagpur, 24th Nov 2013
41. Polytrauma and spinal cord injuries, IOACON 2013, Agra, 3rd to 8th Dec 2013
42. Boozing that Damn Bloody affair, Delhi spine society meeting, Delhi, 21st Dec, 2013
43. Unusual fractures of distal humerus, Elbowcon, AIIMS, New Delhi, March 2014
44. Pediatric proximal ulna fractures, Elbowcon, AIIMS, New Delhi, March 2014
45. Surgical Approaches to distal humerus, Elbowcon, AIIMS, New Delhi, March 2014
46. Elbow dislocations: Simple vs. complex, Elbowcon, AIIMS, New Delhi, March 2014
47. Cubitus valgus with tardy ulnar nerve palsy, Elbowcon, AIIMS, New Delhi, March 2014
48. Reverse shoulder replacement, IICM orthopedics update, Ranchi, July 2014
49. Total elbow arthroplasty, IICM orthopedics update, Ranchi, July 2014
50. Communication skills in orthopedics, IICM orthopedics update, Ranchi, July 2014
51. Osteoporosis: problems, solutions, future, National workshop on Recent Trends in the field of Biomechanics, Raipur, 12th September 2014
52. Innovations: for whom? National workshop on Recent Trends in the field of Biomechanics, Raipur, 12th September 2014
53. Radiology of wrist joint, Delhi Orthopedic Association MIDCON, August 2014
54. Innovations in orthopedics: Current status and need, IIT-DST panel meeting, 31st October 2014, New Delhi
55. Late migration of bone graft with bowel injury: ASSICON 2015, Pune, 23-25th Jan 2015
56. Radiology of proximal humerus fractures, NZIOACON, Rohtak, 13th Feb 2015
57. Nailing of proximal humerus fractures, NZIOACON, Rohtak, 13th Feb 2015
58. Failed union distal tibia: Things to consider, NZIOACON, Rohtak, 13th Feb 2015
59. Hand fractures, IICL CME, Ranchi, 23rd Feb 2015
60. Displaced distal radius fractures, Upper extremity trauma conclave, Jaipur, 8th March 2015
61. Traumatic elbow instability, Upper extremity trauma conclave, Jaipur, 8th March 2015
62. Olecranon and radial head fractures, Upper extremity trauma conclave, Jaipur, 8th March 2015
63. Osteoporosis, Recent advances in Imaging, Osteoporosis symposium, Delhi, 14th January 2015
64. Traumatic elbow laxity. Upper extremity trauma conclave, Ahmedabad, 17th May, 2015
65. Displaced Distal radius Fractures. Upper extremity trauma conclave, Ahmedabad, 17th May, 2015
66. Clavicle Fractures. Upper extremity trauma conclave, Hyderabad, 3rd May, 2015
67. Carpal Injuries. Upper extremity trauma conclave, Hyderabad, 3rd May, 2015
68. Approach to low back pain. CME on spine surgery. Ranchi, 6th June 2015
69. Traumatic elbow laxity. Upper extremity trauma conclave, New Delhi, 26th April, 2015
70. Orthopedic management of osteoporosis: general overview, CME on osteoporosis, New Delhi, 13th May 2015
71. Carpal Injuries, Upper extremity trauma conclave, Indore, 14th May 2015
72. Carpal Injuries, Upper extremity trauma conclave, Chandigarh, 21st May 2015
73. Scapho-lunate injuries, AIIMS-ISSH wrist cadaveric course, New Delhi, 25-26th July 2015
74. Spinal osteotomies, VOC meeting, Varanasi, 8th August, 2015
75. Distal radius fractures, VOC meeting, Varanasi, 8th August, 2015
76. Cervical disc replacement, AIIMS Cervical disc arthroplasty cadaveric workshop, 17th Aug 2015
77. Elbow replacement. Upper limb arthroplasty course: AIIMS arthroplasty week, 19th Aug 2015
78. MCP arthroplasty, Upper limb arthroplasty course: AIIMS arthroplasty week, 19th Aug 2015
79. Phalangeal Fractures, Pune Instructional Hand course, 11-13th Sep 2015, Pune
80. Preparing diabetic patient for hand surgery, Pune Instructional Hand course, 11-13th Sep 2015, Pune
81. Hand manifestations in diabetes, Pune Instructional Hand course, 11-13th Sep 2015, Pune
82. Antibiotic prophylaxis in hand surgery, Pune Instructional Hand course, 11-13th Sep 2015, Pune
83. Tennis Elbow, Pune Instructional Hand course, 11-13th Sep 2015, Pune

84. Plastic surgery procedures in Hand and forearm injuries, PGI ortho Alumni Meet, 19-20th Sep 2015
85. Trapezius Transfer, ISSHCON 2015, 24-27th Sep 2015, Indore
86. My innovation in Hand surgery, ISSHCON 2015, 24-27th Sep 2015, Indore
87. MIS TLIF, Annual AIIMS Spine update 2015, 23-25th Oct 2015, New Delhi
88. Spinal osteotomies, Annual AIIMS Spine update 2015, 23-25th Oct 2015, New Delhi
89. MIS TLIF Principles, MISSICON, Mumbai 23-25th Oct 2015
90. Fixed Cervical deformity, DSS meeting, IHC, Delhi, 7th Nov 2015
91. Locking Plates: principles. DOA fracture fixation course, LHMC delhi, 6th Dec 2015
92. Radial head Plating, IOA CME, Jaipur, 11th Dec 2015
93. Sequale of Perilunate dislocation, WIROC 2015, Mumbai, 23-27th Dec 2015
94. Fixation options in thoracolumbar trauma, ROSACON 2016, Neemrana, RJ, 5th Feb 2016
95. Functional restoration of elbow in neglected brachial plexus injuries, WCNS 2016, IHC, New Delhi, 6th Feb 2016
96. Plating distal radius fractures: DOA Advanced Trauma course, New Delhi, Park Hotel, 13th March 2016
97. Polytrauma and spinal injuries, IICM, Ranchi, February 2016
98. Distal femoral fractures, Lower extremity trauma conclave, Hotel Metropolitan, Delhi, 1st May 2016
99. Pilon Fractures, Lower extremity trauma conclave, Hotel Metropolitan, Delhi, 1st May 2016
100. Most cited papers from India in spine surgery, Spine week, Marina Sand Bays, Singapore, 16-20th May 2016
101. Cubitus valgus, Egypt deformity congress, Cairo, 25-27th May 2016
102. Congenital anomalies of upper limb, Egypt deformity congress, Cairo, 25-27th May 2016
103. Spinal osteotomies in rigid kyphotic deformities, Egypt deformity congress, Cairo, 25-27th May 2016
104. Pedicle screws complications and management. DOA spine cadaveric course. MAMC, 10th July 2016
105. Management of Acute fractures distal radius, Mid-ROSACON, Bharatpur, Rajasthan, 24th July 2016
106. C arm for spine surgery, DOA MSK Imaging, Hotel Royal Plaza, New Delhi, 7th August 2016
107. Role of 3D printing in complex spinal deformity correction, MISSICON, 14-16th October, 2016, Hotel J W Marriot, Delhi
108. I wish, future of MIS in spine surgery, MISSICON, 14-16th October, 2016, Hotel J W Marriot, Delhi
109. Incredible trauma care in Incredible India, All India Medical Society meeting 2016, PGIMS, Rohtak, 16th October
110. Role of X-rays, dynamic films, CT and MRI for cervical spine in Polytrauma, Pre IOACON K T Dholakia CME, 14th Dec 2016, Kochi
111. Locking plates principles, DOA Basic fracture fixation course, 4th Dec 2016
112. Variable angle locking concepts. GOACON, Jamnagar, 3-5th Feb 2017
113. Computer assisted surgery/navigation in orthopedic trauma, GOACON, Jamnagar, 3-5th Feb 2017
114. Failure of Audit/preop planning, GOACON, Jamnagar, 3-5th Feb 2017
115. TB spine mimickers, GOACON, Jamnagar, 3-5th Feb 2017
116. 3D printing in spinal deformity correction, GOACON, Jamnagar, 3-5th Feb 2017
117. Technology and innovation in orthopedic surgery, GOACON, Jamnagar, 3-5th Feb 2017
118. TB spine mimickers, DOA quarterly meet, Sir GangaRam hospital, New Delhi, 18th Feb 2017
119. Spinal osteotomies, CTRF advanced spine course, AIIMS, 18-19th March 2017, New Delhi
120. Hemi vertebrae excision+ posterior instrumentation, CTRF advanced spine course, AIIMS, 18-19th March 2017, New Delhi
121. Distal radius surgical technique, DOA advanced trauma course, Hotel Royal Plaza, New Delhi, 2nd April 2017
122. Tube-light: neuromonitoring in scoliosis surgery: DSS spine society meeting, 27th May 2017, New Delhi
123. Radial Head Fractures: Fix, Excise, replace. DOA Shoulder & Elbow Update, Hotel royal Plaza, New Delhi, 28th May 2017
124. Safe surgical tools: Burr, Kerrison, Ultrasonic scalpel: Spine association of Gujarat annual meeting, 16th July 2017, Ahmadabad

125. Hemorrhage: Bloody spine surgery: Spine association of Gujarat annual meeting, 16th July 2017, Ahmadabad
126. Communication skills in spine surgery: Spine association of Gujarat annual meeting, 16th July 2017, Ahmadabad
127. Imaging of Thoracolumbar Trauma: DOA MSK imaging course. 6th August 2017, LHMC. New Delhi.
128. Deformity correction and long instrumentation in lumbar canal stenosis. ICS 2017, 11-13 August 2017, Kovlam
129. Kyphoplasty. AOCIP radiology conference. 24th August 2017, NAMS auditorium, New Delhi
130. Pediatric Scoliosis, APSS- APPOS 2017, Goa, 22-24th August 2017
131. Magnetic Rods, best practices for great clinical outcome, 22-24th August 2017
132. Musculoskeletal complications of Hemophilia, AIIMS, Department of Hematology, AIIMS, 7th October 2017
133. 2 level Disc problem, AO spine masters course, ISIC, New Delhi. 14th October 2017
134. 2 level Disc problem, Spine connect program, NASS annual meeting, Orlando, USA, 24-28th October 2017
135. Post tubercular cervical kyphosis correction. Global spine forum, NASS annual meeting, Orlando, USA, 24-28th October 2017
136. 3D printing for spinal deformities, SYSCON 2018, 11th Jan 2018, AIIMS, New Delhi
137. Sequential, Multiaxial correction for scoliosis, Lunch symposium, ASSICON 2018, Chennai, 19-21st Jan 2018
138. Peer Review Process, ASSICON 2018, Chennai, 19-21st Jan 2018
139. TB mimickers of spine, Spinecon, Gurugram, 2-4th Feb 2018
140. Pediatric cervicodorsal scoliosis, Spinecon, Gurugram, 2-4th Feb 2018
141. Lumbar sagittal balance, Spinecon, Gurugram, 2-4th Feb 2018
142. Tuberculosis spine: Pune, POSAC meeting, 24-25th March 2018
143. Spinal osteotomies, Pondicherry, Ortho Academicia Annual Meet, 30th -31st March 2018
144. Bowel injury after TLIF, Pondicherry, Ortho Academicia Annual Meet, 30th -31st March 2018
145. Biomechanical peculiarities of L5 vertebra, 2nd International conference on Clinical & Orthopedic Biomechanics, 13-14th April 2018, ISIC New Delhi
146. 3D printing in spinal deformities video presentation in ASSI live surgery course, 8-10th June 2018
147. My experience with spine surgery, Barnes Jewish Hospital, St Louis, 15th May 2018
148. CSF leaks during spine surgery: management, AO spine principles course, Colombo, Srilanka, 23-24th June 2018
149. Guidelines for research and publications, AO spine principles course, Colombo, Srilanka, 23-24th June 2018
150. Classification for AIS, AO spine principles course, Colombo, Srilanka, 23-24th June 2018
151. Spinal osteotomies, AO spine principles course, Colombo, Srilanka, 23-24th June 2018
152. Role of 3D printing in spinal deformities, 14th Egyptian orthopedic association deformity congress, Cairo, 4-6th July 2018
153. Spinal osteotomies for spinal deformities, 14th Egyptian orthopedic association deformity congress, Cairo, 4-6th July 2018
154. Water, water everywhere, CSF leak, MIDCON 2018, 8th July 2018, Delhi
155. How to plan and do Cervical trauma, MIDCON 2018, 8th July 2018, Delhi
156. How to minimize bleeding in spine surgery, ICS 2018, 9-11th August 2018, Amritsar
157. Magnetic rod in EOS: Minimizing invasion. ICS 2018, 9-11th August 2018, Amritsar
158. Regional anaesthetic techniques in outpatient spine surgeries, North American Spine society annual meeting, Los Angeles, USA, 25-28th Sep 2018
159. Magnetic Rods for EOS, DOACON 2018, 22-24th Nov 2018, AIIMS, New Delhi
160. Boozing the damn bloody affair, DOACON 2018, 22-24th Nov 2018, AIIMS, New Delhi
161. Surgical anatomy and anterior approaches to cervical spine, North East spine society meeting, Dibrugarh, 16th December 2018

162. Surgical anatomy and posterior approaches to Thoracolumbar spine, North East spine society meeting, Dibrugarh, 16th December 2018
163. Anterior Thoracolumbar surgical approach, North East spine society meeting, Dibrugarh, 16th December 2018
164. Spinal Osteotomies, North East spine society meeting, Dibrugarh, 17th December 2018
165. Degenerative scoliosis, ASSICON 2019, Ahmadabad, 24-27th January 2019
166. TB spine masqueraders, NZIOACON 2019, Jammu, 9-10th February 2019
167. Hemorrhage control in spine surgery, NZIOACON 2019, Jammu, 9-10th February 2019
168. Ethics in publication including plagiarism, JCOT scientific writing course, 17th Feb 2019, Delhi
169. Bone graft options and interbody fusion, AOSpine Advanced Level Specimen Course, 23-24th Feb 2019, Bengaluru
170. Operative steps of percutaneous screw fixation, AOSpine Advanced Level Specimen Course, 23-24th Feb 2019, Bengaluru
171. Magnetic growth rod for scoliosis correction, 5th Congress of Middle East Spine Society and world spinal column society, 4th April 2019, Gurgaon, Haryana
172. Anterior approach to cervical spine & ACDF, DOA basic spine course, JPNATC, New Delhi, 12th April 2019
173. Posterior column osteotomies, DOA advanced spine course, SJH, New Delhi, 14th April 2019
174. Common orthopedic problems, invited by DGHS, MOHFW at Nirman Bhavan, 25th April 2019, New Delhi
175. Co-Cr vs. Titanium rods in deformity correction in Adolescents, 3rd International Conference on Clinical Orthopedics & Spine Biomechanics, 26-28th April 2019, ISIC, New Delhi
176. Congenital lumbosacral scoliosis, DSS bimonthly meeting, 25th May 2018, New Delhi
177. Outcome and safety of 3D printed patient specific zigs in complex spinal deformities, CMBE biennial congress, Sendai, Japan, 10-12th June 2019
178. Sagittal parameters restoration in complex ankylosing spondylitis deformities, Spine world summit 2019, Kualalumpur, 24-25th June 2019
179. When to go for long instrumentation in LCS, Spine world summit 2019, Kualalumpur, 24-25th June 2019
180. Intradiscal therapies, AOSpine advanced specimen course, New Delhi, 13-14th July 2019
181. Transthoracic and retroperitoneal approaches, AOSpine advanced specimen course, New Delhi, 13-14th July 2019
182. Sacroiliac fixation: rationale and indications. AOSpine advanced specimen course, New Delhi, 13-14th July 2019
183. Cervical lateral mass screw fixation, AOSpine advanced specimen course, New Delhi, 13-14th July 2019
184. How to do research and write a paper. Neurotrauma 2019, 28th Annual meeting of Neurotrauma Society of India, 23-25th August, Agra
185. Spinal osteotomies in traumatic spine injuries. Neurotrauma 2019, 28th Annual meeting of Neurotrauma Society of India, 23-25th August, Agra
186. Classification of Thoracolumbar trauma and its clinical correlation. Neurotrauma 2019, 28th Annual meeting of Neurotrauma Society of India, 23-25th August, Agra
187. Degenerative spinal deformities: when to operate. World neurosciences Summit-II, 23-25th August 2019, J W Marriott Aerocity, New Delhi.
188. Post tubercular cervical deformity correction, DSS meeting, Delhi, 28th July 2019
189. Hunch-back of Notre Dame, DSS meeting, Delhi, 5th October, 2019
190. Feasibility of 3D printing in spinal trauma, ISSICON 2019, Delhi, 12-14th October 2019
191. Vertebral column resection, ISSICON 2019, Delhi, 12-14th October 2019
192. Bridge above troubled waters. DSS bimonthly meeting, 16th Nov 2019
193. Lumbar pedicle screw. IOACON 2019, preconference workshop on spine. Kolkata, 19-24th Nov 2019
194. Sacroiliac fixation: Indications. IOACON 2019, preconference workshop on spine. Kolkata, 19-24th Nov 2019

195. C arm and neuromonitoring in spine surgery. IOACON 2019, preconference workshop on spine. Kolkata, 19-24th Nov 2019
196. Robotics in spine surgery. NZOACON 2020, AIIMS Rishikesh, 14-16th Feb 2020
197. Choosing osteotomy type for rigid kyphotic deformities. "Mastering Advanced Technologies and Skills Congress in Neurosurgery (MATS 2020), Gurgaon, 20-23th Feb 2020.
198. Herapheri at Top, DSS meeting, Delhi, 8th Feb 2020
199. Striking a coiled Cobra, DSS meeting, 4th April 2020.
200. Sagittal balance restoration in complex ankylosing spondylitis. Dartmouth fellows group meeting, 6th Sep 2020, online
201. Sacral insufficiency fractures, ASSICON virtual meeting 2020, 18-20th Sep 2020
202. Pre and postoperative cervical sagittal alignment changes in Lenke 1 AIS patients, A multicentric study, ASSICON virtual meeting 2020, 18-20th Sep 2020
203. Research papers that influenced my practice. VCR. ASSI journal club, 5th Sep 2020
204. Sacral Insufficiency fractures. ASSICON 2020, 18-20th Sep 2020, Virtual, Delhi
205. Robotic Spine surgery. ASSICON 2020, 18-20th Sep 2020, Virtual, Delhi
206. Classification of AIS, ASSI webinar, 4th October 2020, New Delhi
207. Hidden face of a silent enemy. IFFN and AIIMS Nagpur joint webinar, 20th October 2020, New Delhi. World osteoporosis day
208. Critical appraisal, ASSI research methodology course, 7th Nov 2020, online
209. Congenital Scoliosis, Pune spine society international spine symposium, 7th Nov 2020, online
210. EOS and Future of AIS classification, BOS spine online course, 3-5th Dec 2020
211. Artificial Intelligence and orthopedics, DOACON 2020, online, 29th Nov 2020
212. 3D printing in spinal deformities, ISSICON 2020, 12-13th December 2020, New Delhi
213. PVCR for complex spine deformities, Advance spine course Mumbai, 5th December 2020, online
214. Recent advances in spine surgery, North East Spine society online webinar, 12th December 2020
215. Neurosurgical procedures with congenital Deformity, ASSICON 2021, 29-31st January 2021
216. Systematic review, IJO-JCOT scientific writing course, 21st February 2021
217. Degenerative scoliosis, DSS-Bangladesh spine society meeting, 7th March 2021
218. Hemorrhage control in spine surgery, Jammu Trauma Society annual meet, 10-11th April, online
219. Recent advances in Spine Surgery, Jammu Trauma Society annual meet, 10-11th April, online
220. Lenke 1 AIS, spine association of Gujrat meeting, online, 17th April 2021
221. Biomechanics and gait Lab, 4th International conference on clinical spine and orthopedics Biomechanics, 16-18th April 2021.
222. Pathomechanics of deformity progression in EOS. 4th Combined NASS meeting, 26th April 2021
223. Multicentric studies: planning and execution. OSSAP meeting, 29th May 2021, online
224. Hooks in spine surgery. DOA master class on spinal instrumentation, 30th May 2021
225. What not to miss in examination of spondylolisthesis. ASSI PG course, 30th May 2021.
226. Difference between research protocol and manuscript. ASSI research methodology course, virtual. 28June-2th July 2021
227. How to write a research protocol. ASSI research methodology course, virtual. 28June-2th July 2021
228. Fixed angular post-tubercular kyphosis of cervical spine, AO advanced webinar, 22nd Aug 2021
229. Surgical strategies for fixed angular cervical kyphosis, AO advanced webinar, 22nd August 2021
230. Pelvic parameters, how stringent, how lenient? ASSI ICS and live surgery course, 28-29th August 2021
231. Thoracolumbar Spine-Long instrumentation, Webinar on "Controversies in Spine Surgery" on 5th September, 2021, organized by AIIMS Deoghar
232. Subaxial cervical spine trauma, Kenya Orthopedic Association annual hybrid meeting, 7-8th October 2021, presented online
233. Dural tears. AO spine advanced online course. 6th Nov 2021, New Delhi.
234. Documentation and publication. AO spine advanced online course. 6th Nov 2021, New Delhi.
235. AIS: releases and osteotomies, BSSCON 2021, 21st Nov 2021, online
236. LCS: Decompression and fixation, DOACON 2021, LHMC, New Delhi 27-28th Nov 2021

237. Advances in Growing rods, Dr. KT Dholakia national CME. IOACON 2021, Goa, 21-25th Dec 2021
238. Lumbar canal decompression, IOACON 2021, Goa, 21-25th Dec 2021
239. How to make sense of a review article: Author and reviewer's perspective, IOACON 2021, Goa, 21-25th Dec 2021
240. Robotics and MIS spine: 2022 South west Asia MIS spine symposium, 23rd January 2022
241. How to write protocols and grants. ASSI research Methodology Course, 24-28th Januray 2022
242. Difference between Manuscript and Protocol. ASSI research Methodology Course, 24-28th January 2022
243. Proximal Humerus Fractures: Conserve, Fix or Replace. NBE webinar, 28th January 2022
244. New Rules of Academic Career Progression and their importance. OSSAPCON 2022, 18-20th March 2022
245. IONM in spine surgery-safety redefined. WIROC global 2022, Mumbai, 24-27th March 2022
246. AIS classification. WIROC global 2022, Mumbai, 24-27th March 2022
247. Scoliosis surgery: Minimizing complications, maximising outcome. WIROC global 2022, Mumbai, 24-27th March 2022
248. Spine trauma. Spine Instructional course lecture. WIROC global 2022, Mumbai, 24-27th March 2022
249. Spinal osteotomies for rigid kyphosis. JOACON, Deogarh, online, 8-10th April 2022
250. Recurrent disc herniation, MISSICON, online, 10th April 2022
251. Sacroiliac fixation: Rationale and Indications. ASSICON 2022, Patna, 28-30th April 2022
252. Blood based signatures of TB spine, ASSI basic sciences award, ASSICON 2022, Patna, 28-30th April 2022
253. Flickering Tubelight, ASSI-SRS joint session, ASSICON 2022, Patna, 28-30th April 2022
254. Early onset scoliosis, AO Spine scoliosis week, Kochi. 17-23rd April 2022, online
255. Typical workflow of 3D printing in clinical setting, NZOACON, 6-8th May 2022, Chandigarh
256. Application of 3D printing in Orthopedics, NZOACON, 6-8th May 2022, Chandigarh
257. Post Tubercular kyphosis: Prevention to Cure. NZOACON, 6-8th May 2022, Chandigarh
258. How enabling technologies have made complex spine surgeries safer. NZOACON, 6-8th May 2022, Chandigarh
259. Painful scoliosis in an adolescent, AOSpine tumour course 28-29th May 2022
260. Bleeding control in tumour surgery, AOSpine tumour course 28-29th May 2022
261. Neuromonitoring in Spinal tumour surgery, AOSpine tumour course 28-29th May 2022
262. Tumour margins and surgical resections, AOSpine tumour course 28-29th May 2022
263. Survival prognosis in spinal metastasis, AOSpine tumour course 28-29th May 2022
264. Thoracolumbar trauma-Decision making. OTA-webinar , 25th June 2022
265. Growth friendly techniques for Early onset scoliosis. 6th International Hybrid scoliosis week. Egyptian scoliosis Society. 22-26th July 2022
266. Artificial intelligence and pediatric spinal deformities. 6th International Hybrid scoliosis week. Egyptian scoliosis Society. 22-26th July 2022
267. Spinal osteotomies. AAOS education program. Goa, 23-24th July 2022
268. Anterior approach for Lenke 5 AIS. AOSpine Asia Pacific Virtual Conference, 15th July 2022
269. How to write protocols and grants. ASSI research Methodology Course, 25-30th July 2022
270. Difference between Manuscript and Protocol. ASSI research Methodology Course, 25-30th July 2022
271. Lost in Time, Transition, and shadows. Delhi spine society meeting, 30th July 2022
272. Do drastic problems require drastic solutions. Delhi spine society meeting, 30th July 2022
273. Loss of MEP signals: what to do next. 3rd World neurosciences summit, 27-29th July 2022, New Delhi
274. Scoliosis surgery: Minimizing complications, maximising outcome. 3rd World neurosciences summit, 27-29th July 2022, New Delhi
275. Mimickers of TB spine, DOA musculoskeletal CME 2022. 7th August 2022, New Delhi
276. Post TB kyphosis, SICOT 2022, Kualalumpur, Malaysia, 28-30th Sep 2022
277. Robotic spine surgery, SICOT 2022, Kualalumpur, Malaysia, 28-30th Sep 2022

278. Update in pediatric scoliosis surgery, SICOT 2022, Kuala Lumpur, Malaysia, 28-30th Sep 2022
279. Spine surgery: maximum outcome, minimum complications. CMECON 2022, Ranchi, 16-17th Sep 2022
280. Post-tubercular cervical spine deformities, North American Spine society annual meeting 2022, Chicago, 12-16th October 2022
281. Surgery for cervical kyphosis correction: when and what. ICS 2022, Bhubaneswar 3-5th nov 2022
282. Pitfalls in management of TB spine: selection to execution. WIROC 2022, Mumbai -29-31st Dec 2022
283. FBI technique of global kyphosis correction: video + talk, ASSI live operative course 2023, Pune, 17-18th Feb 2023
284. Post tubercular kyphosis, POACON 2023, Patiala, 18-19th Feb 2023
285. Spinal osteotomies, 7th western UP Neurosciences Update, 2nd April 2023
286. Debate: Robot allows precision in AIS surgery, Operation straight Spine, 8th April 2023
287. Early onset scoliosis, AO scoliosis week, Online, 22th April 2023
288. Posterior release and posterior correction for rigid thoracic curve: Spine week, 1-5th May, Melbourne, Australia
289. Early onset scoliosis; ASSI_APSS joint session. Spine week, 1-5th May, Melbourne, Australia
290. Spinal osteotomies, pushing the boundaries. AAOS spine conclave. Goa, 19th May 2023
291. My worst case. AAOS spine conclave. Goa, 19th May 2023
292. TB spine mimickers. DOA MSK imaging symposium. delhi, 6th Aug 2023
293. Leveraging technology to maximise outcome in scoliosis, SICOT young surgeons international meeting 2023, 20th Aug 2023 online
294. Pediatric spinal deformities, GAPIO lecture, 19th Aug 2023, online
295. Osteoporotic vertebral fractures. GERICON 2023, 28-30th sep 2023
296. Understanding Journal's requirements, JCOT symposium webinar On "From Thesis To Spotlight: Mastering The Art Of Manuscript Conversion" October 28, 2023
297. Hunchback of Notre Dame, AAOS Spine Colloquium Virtual. October 14, 2023
298. Spinal tuberculosis, EPTB training program by WHO, 3rd Nov 2023, AIIMS, New Delhi
299. Spinal tuberculosis, EPTB training program by WHO, 9th Nov 2023, AIIMS, New Delhi
300. Innovations in scoliosis, DOACON 2023, 5th Nov 2023, Kauhambi, Delhi
301. Spine research that influenced my practice: SICOT annual meeting 2023, online, SICOT, Cairo 20-22th Nov 2023
302. Bioprinting and its applications in orthopedics, 19-20th Dec 2023, 8th International Conference on Stem cells and Cancer (ICSCC-2023)
303. Preoperative planning of Kyphosis, ASSICON 2024, Mumbai, 18-20th January 2024
304. Indications, Benefits, Limitations in Robotic surgery, ASSICON 2024, Mumbai, 18-20th January 2024
305. Cervical Kyphosis, NBE talk, 14th February 2024
306. Current concepts in management of capitulum and trochlear fractures and elbow instability, NBE talk, 16th February 2024
307. Preop planning of kyphosis, Second Ambedkar cadaveric spine workshop on 6 April, 2024, Baba Saheb Ambedkar Medical college, New Delhi
308. Skiving in robotic spine surgery. DSSCON, 13-14th April 2024, New Delhi
309. Neuromuscular scoliosis, AO spine scoliosis week, Online, 25th April 2024
310. Carpal instabilities, NBE webinar, 26th April 2024
311. Cervical spine injuries, NAMS invited lecture, 17th May 2024, online
312. AI in spine deformity correction, APSS meeting Hong Kong, 14-16Th June 2024

Orations

1. Blood based signatures of Pott's spine: bench to bedside, IOACON Silver Jubilee Oration, Goa, 21-25th Dec 2021

Faculty/ Moderator/ Chairing session/ panelist

1. Convener of Primary complex arthroplasty workshop on FREEDOM knee at AIIMS, 21st July, 2013
2. Moderated a session on failed spine surgery in ICS 2013, KodaiKanal, 16th to 18th Aug 2013
3. Faculty at CCA 2013, AIIMS
4. Table faculty at AO hand course, Delhi, 5-7 Sep 2013
5. Faculty at Advance Orthopedic course at Goa, 13th-15th Sep 2013
6. Moderated a session on "MIS TLIF" at 8-10th Nov 2013, WENMISS, New Delhi
7. Panelist in panel discussion on "reliability of classification systems for thoraco-lumbar trauma" IOACON 2013, Agra 3rd-8th Dec 2013
8. Elbowcon, AIIMS, New Delhi, March 2014
9. IICM orthopedic update, Ranchi, July 2014
10. National workshop on Recent Trends in the field of Biomechanics, Raipur, 12th September 2014
11. CCA 2014, 16-17th August 2014, chaired a session, AIIMS
12. , IIT-DST panel meeting, 31st October 2014, New Delhi
13. Nagpur shoulder conference, 18th Jan, 2015, Nagpur
14. ASSICON 2015, Pune, 22-25th Jan 2015
15. Table Faculty at AO Advance Course, 2-4th July 2015, New Delhi
16. Convener, cervical arthroplasty cadaveric workshop, 17th Aug 2015, AIIMS, New Delhi
17. Convener, Upper limb arthroplasty workshop, 19th Aug 2015, AIIMS, New Delhi
18. Chaired session on CAS hip replacement in CCA 2015, 23rd August 2015, AIIMS, New Delhi
19. Chairperson, ISSHCON 2015, Indore
20. CCA 2014, 22-23rd August 2015, chaired a session, AIIMS
21. Faculty, Wrist cadaveric course, ISSHCON 2015, Indore
22. Faculty, Thoracic pedicle screw and trans-pedicular decompression cadaveric workshop, ASSICON 2015, 27-29th Nov 2015
23. Faculty, DOA fracture fixation course, LHMC delhi, 6th Dec 2015
24. Faculty, WIROC 2015, Mumbai, 23-27th Dec 2015
25. Faculty, DOA Advanced Trauma course, New Delhi, Park Hotel, 13th March 2016
26. Faculty, Spine deformity workshop, Egypt deformity congress, Cairo, 25-27th May 2016
27. Faculty, DOA spine cadaveric course, 10th July 2016, MAMC, New Delhi
28. Faculty, DOA MSK imaging course, 7th August 2016, Hotel Royal Plaza, Delhi
29. Faculty, Mid ROSACON, Bharatpur, Rajasthan, 26th July 2016
30. Faculty and chairman for a session on navigated joint replacement, Current concepts in Arthroplasty, JPNA trauma centre, New Delhi-19-21st August 2016
31. Panelists for TB spine at Hotel Le Meridean, Contas program, Delhi on 18th sep 2016
32. Panelist for TB spine controversies in DOACON, 2016 at Hotel Le meridian, Delhi, 27th Nov 2016
33. Chaired the spine session in KT Dholakia CME-IOACON 2016 at Kochi, 12-17th Dec 2016
34. Cadaveric demonstration of pedicle subtraction osteotomy, CTRF advanced spine course, AIIMS, 18-19th March 2017, New Delhi
35. Faculty for practical training, DOA advanced trauma course, Hotel Royal Plaza, New Delhi, 2nd April 2017
36. AOCIP Kyphoplasty workshop. 24th August 2017, NAMS auditorium, New Delhi
37. Chaired a session "New Frontiers in Spine" in World Neurosciences Summit 2017 at JW Marriot, Aerocity, New Delhi.
38. Co-Chair, Lumbar Degenerative session of Global spine forum, NASS annual meeting, Orlando, USA, 24-28th October 2017
39. Panelist: Do I use Lenke classification for AIS? ASSICON 2018, Chennai, 19-21st Jan 2018
40. Panelist: Are navigation, robotics, 3d imaging standard of care for spine surgery. ASSICON 2018, Chennai, 19-21st Jan 2018
41. Chairperson, Deformity session, Spinecon, Gurugram, 2-4th Feb 2018
42. Chairperson, Infection and recent advances session, Spinecon, Gurugram, 2-4th Feb 2018
43. Chairperson, TB session, POSAC, 24-25th March 2018, Pune
44. Chairperson, OPLL of cervical spine, Cervical spine research society –Asia Pacific annual Meeting,

New Delhi, 22-24th March 2018

45. Moderator, panel discussion, specific design requirements for a spinal deformity correction system, 2nd International conference on Clinical & Orthopedic Biomechanics, 13-14th April 2018, ISIC New Delhi
46. Panel discussion on “Dilemmas and controversies in AIS” in ASSI Live surgery Course 8-10th June 2018
47. Panelist during Kyphosis correction surgery in ASSI Live surgery Course 8-10th June 2018
48. Moderator, foundation of spine surgery session, AO spine principles course, Colombo, Srilanka, 23-24th June 2018
49. Moderator, Degenerative spine disorders session, AO spine principles course, Colombo, Srilanka, 23-24th June 2018
50. Chairman, 14th Egyptian orthopedic association deformity congress, Cairo, 4-6th July 2018
51. Panelist, spine tumor diagnosis and imaging. ICS 2018, 9-11th August 2018, Amritsar
52. Moderator, spinal tumor excision and reconstruction session. Panelist, spine tumor diagnosis and imaging. ICS 2018, 9-11th August 2018, Amritsar
53. Convener, Geriatric spine session, GOSICON 6th annual meeting-FFN (I) and CCA combined meeting 2018, AIIMS, New Delhi. 6-9th Sep 2018
54. Panelist, How to improve perioperative outcome in elderly patients undergoing spine surgery. GOSICON 6th annual meeting-FFN (I) and CCA combined meeting 2018, AIIMS, New Delhi. 6-9th Sep 2018
55. Chairman, Lumbar Degenerative session, International education forum, North American Spine society annual meeting, Los Angeles, USA, 25-28th Sep 2018
56. Panelist, Post laminectomy Kyphosis, ASSICON 2019, Ahmadabad, 24-27th January 2019
57. Panelist. Reperfusion injury following cervical decompression: what is the evidence, ASSICON 2019, Ahmadabad, 24-27th January 2019
58. Panelist & Moderator, JCOT scientific writing course, 17th Feb 2019, Delhi
59. Faculty, AOSpine Advanced Level Specimen Course, 23-24th Feb 2019, Bengaluru
60. Faculty, DOA basic spine cadaveric course, JPNATC, New Delhi, 12th April 2019
61. Faculty, DOA advanced spine cadaveric course, SJH, New Delhi, 14th April 2019
62. Chaired the Deformity session at 3rd International Conference on Clinical Orthopedics & Spine Biomechanics, 26-28th April 2019, ISIC, New Delhi
63. Faculty, AOSpine advanced specimen course, New Delhi, 13-14th July 2019
64. Chaired a session on new advances in spine surgery, ISSICON 2019, New Delhi, 12-14th October
65. Faculty in cadaveric workshop, ISSICON 2019, New Delhi, 12-14th October 2019
66. Faculty. IOACON 2019, preconference workshop on spine. Kolkata, 19-24th Nov 2019
67. Moderator, Panel discussion on Covid 19 and spine, ASSICON virtual meeting 2020, 18-20th Sep 2020
68. Chaired a session on Total joint replacement with Orth pilot in CCA, 2020, 31st Oct-1st Nov 2020
69. Moderated ASSI online webinar on Early onset scoliosis, 6th December 2020, 4-6 pm
70. Judge for Spinal cord society Best poster session, ISSICON 2020, 12-13th December 2020
71. Judge for IFFN best slogan competition 2020
72. Judge for best essay on Covid opportunities organised by ASSI 2020
73. Panellist, Newer advances in prosthetics and orthotics, 4th International conference on clinical spine and orthopedics Biomechanics, 16-18th April 2021.
74. Moderator, panelist. ASSI research methodology course, virtual. 28June-2th July 2021
75. Moderator, Spine free paper session, SICOT annual meeting, Budapest, Hungary, 16-18th Sep 2021, online
76. Moderator, Spine free paper session-2, SICOT annual meeting, Budapest, Hungary, 16-18th Sep 2021, online
77. Moderator, Pediatric Spine deformity symposium, SICOT annual meeting, Budapest, Hungary, 16-18th Sep 2021, online

78. Sacroiliac fixation technique demonstration. AO spine advanced online course. 6th Nov 2021, New Delhi.
79. Moderator, NBE webinar on Biomechanics of anterior cervical fixation, 19th January 2022
80. Moderated session on statistics. ASSI research Methodology Course, 24-28th January 2022
81. Moderated live surgery Open TLIF. WIROC global 2022, Mumbai, 24-27th March 2022
82. Chaird WIROC APSS combined session. WIROC global 2022, Mumbai, 24-27th March 2022
83. Panelist, Meet the masters session. WIROC global 2022, Mumbai, 24-27th March 2022
84. Covener, Cadaveric workshop on pedicle screws, ASSICON 2022, Patna, 28-30th April 2022
85. Chair, 3D printing workshop. NZOACON, 6-8th May 2022, Chandigarh
86. Moderated spine session on managing complications, SICOT 2022, Kuala Lumpur, Malaysia, 28-30th Sep 2022
87. Moderated spine session in SICOT educational day, SICOT 2022, Kuala Lumpur, Malaysia, 28-30th Sep 2022
88. Co-chair, Cervical spine deformity session, North American Spine society annual meeting 2022, Chicago, 12-16th October 2022
89. Chair, abstract session on spinal deformity, North American Spine society annual meeting 2022, Chicago, 12-16th October 2022
90. Judge for the poster session, American College of Surgeons annual meeting 2022, San Diego, 16-20th october 2022.
91. Management strategies in cervical kyphosis: ICS 2023, Bhubaneswar, 3-5th nov 2022
92. Panelist, Surgical mentoring in the era of Youtube, google. WIROC 2022, Mumbai -29-31st Dec 2022
93. Panelist, cases discussion, pitfalls in management of TB spine. WIROC 2022, Mumbai -29-31st Dec 2022
94. Panelist, Spine deformities in Children, NBEMS online , 24th May 2023.
95. Chaird ASSI award session. Spine week, 1-5th May, Melbourne, Australia
96. Chaird session on Outcomes from surgery, ISSLS session. Spine week, 1-5th May, Melbourne, Australia
97. Chairperson, BEST PUBLISHED PAPERS, ASSICON 2024, Mumbai, 18-20th January 2024
98. Chairperson, ASSI AWARD SESSIONS, ASSICON 2024, Mumbai, 18-20th January 2024
99. Panelist, SEVERE RIGID / SYNDROMIC KYPHO SCOLIOSIS, ASSICON 2024, Mumbai, 18-20th January 2024
100. [Live surgery](#)
1. Scoliosis correction surgery, 7th Spine surgery workshop organized by Department of Neurosurgery, AIIMS, 16-18th November 2017
2. Open TLIF, 7th Spine surgery workshop organized by Department of Neurosurgery, AIIMS, 16-18th November 2017
3. Degenerative scoliosis correction, ASSI Live surgery Course 8-10th June 2018
4. OLIF, AIIMS OLIF workshop, 18th June, 2018, JPNATC
5. Kyphosis correction with VCR, 27th August 2021, ASSI live surgery course
6. Active Apex Control, 14th April, Ist AIIMS International spine deformity course
7. Congenital scoliosis, ASSI live operative course, Pune, 17-18th Feb 2023
8. VCR and deformity correction in ANK spond, New Delhi, AIIMS, AISDC 2023, 30th march-1st April 2023
9. APC in a congenital scoliosis, AIIMS, AISDC, 2024, 21-23rd March 2024, New Delhi
- [Webinars:](#)
1. Sacroiliac fixation. 5th May 2020
2. Moderated Sequential therapy in Osteoporosis is a must, AOspine, 5th May 2020
3. Spinal osteotomies in Kyphosis, AOspine, 7th May 2020
4. Ultrasonic Bone Scalpel, comprehensive course. 11th May 2020
5. Moderated Early Onset scoliosis, AOspine, 12th May 2020

6. Osteoporotic Spine Fractures, which way to go. Geriatric Orthopedic society, 13th May 2020
7. Difficult case scenarios, Lumbar spine. Pune Orthopedic society, 26th May 2020

PAPERS & POSTERS PRESENTED TO LEARNED SOCIETIES

Papers Presented

1. **Bhavuk Garghavuk.** Microendoscopic Discectomy vs Open Discectomy. WENMISS 2008, London UK.
2. Jayaswal A, **Bhavuk Garg.**, Upendra B.N., Ahmed A, Chowdhury B. A Prospective, Randomized Study Comparing the short term Results of Open Discectomy with Those of Endoscopic Microdiscectomy. *PASMISS-2004* (Pacific Asian Society of Minimally Invasive Spine Surgery) Korea
3. Prof.A.Jayaswal, **Bhavuk Garg**, Mahesh.B.H, Bidre Upendra, Abrar Ahmed. A Prospective, Randomized Study Comparing the short term Results of Open Discectomy with Those of Endoscopic Microdiscectomy. 2nd Asia Pacific Spine Course – Aug – 23rd 2005 Bangkok, Thailand
4. **Bhavuk Garg.** MED vs. Open discectomy. Orthopaedic grand rounds, Dartmouth Hitchcock medical centre, Hanover, USA. Oct 2008
5. **Bhavuk Garg.**, Jayaswal A. Microendoscopic Discectomy: Stumbling Block. WENMISS-2009. Kota-kinabalu, Malaysia
6. **Bhavuk Garg.**, Jayaswal A. A Prospective, Randomized Study Comparing the short term Results of Open Discectomy with Those of Endoscopic Microdiscectomy. EFORT-2009, Vienna, Austria.
7. V Kumar, **Bhavuk Garg**, Malhotra R. Results of Total Hip arthroplasty Following Acetabular fracture: 10th EFORT Congress, Vienna ,Austria ,3rd -6th June 2009
8. **Bhavuk Garg**, Krishnakiran E, Malhotra R, Bhan S. Eosinophilic Granuloma presenting as vertebra plana in an adult –an unusual presentation. *DOACON-2004*
9. **Bhavuk Garg.**, Upendra B.N., Ahmed A, Chowdhury B, Jayaswal A. Randomized Controlled Comparative Study between Open Discectomy and Endoscopic Microdiscectomy-immediate term study. *DOACON-2003*
10. **Bhavuk Garg.**, Upendra B.N., Ahmed A, Chowdhury B, Jayaswal A. Randomized Controlled Comparative Study between Open Discectomy and Endoscopic Microdiscectomy-short term and long term study. *IOACON-2004*
11. **Bhavuk Garg.**, Malhotra R. Management of Extensor Mechanism Deficient Total Knee Arthroplasty: A New Surgical Technique to Secure Allograft. IAACON-2007, Chandigarh, February 2007.
12. **Bhavuk Garg.**, Kotwal PP. Radial Head Replacement. MIDCON, Delhi, Sep 2008
13. **Bhavuk Garg**, Kotwal P. P. Giant cell tumor of tendon sheath: whom to give postoperative radiotherapy. 11th EFFORT congress, Madrid, Spain, 2010
14. V Kumar, **Bhavuk Garg**, Malhotra R. Use of antibiotic coated nail for the treatment of infected nonunion of fracture shaft of femur. 11th EFFORT congress, Madrid, Spain, 2010
15. V Kumar, **Bhavuk Garg**, Malhotra R. A prospective comparison of periprosthetic stress shielding in femoral stems with 4/5th and 1/3rd porous coating 11th EFFORT congress, Madrid, Spain, 2010
16. V Kumar, **Bhavuk Garg**, Malhotra R. Use of tranexamic acid to decrease blood loss in primary cementless hip Arthroplasty. Presented in AAOS meeting, March 2010, New Orleans, USA
17. Malhotra R, V Kumar, **Bhavuk Garg**. Total hip replacement for arthritis following tuberculosis of hip. SICOT 2010, Gothenburg, Sweden
18. Malhotra R, V Kumar, **Bhavuk Garg**. Reconstruction of a severe acetabular defect (papasosky type 3B) using a total acetabular allograft. SICOT 2010, Gothenburg, Sweden
19. Malhotra R, V Kumar, **Bhavuk Garg**. Use of a cement impregnated spacer in two-stage revision hip arthroplasty for infected hip arthroplasty. SICOT 2010, Gothenburg, Sweden
20. **Bhavuk Garg**, Kotwal PP. Results of Palmaris longus interposition tendon grafting for neglected extensor tendon injuries. AAOS meeting Feb 2011, San Diego

21. **Bhavuk Garg**, Kotwal PP. Staged reduction of Neglected Transscaphoid perilunate dislocation: A report of 16 cases. AAOS meeting Feb 2011, San Diego
22. **Bhavuk Garg**, Kotwal PP. Erythropoietin enhances functional recovery after peripheral nerve repair: Our experience. AAOS meeting Feb 2011, San Diego
23. **Bhavuk Garg**, Jayaswal A. Is Subjective Outcome better and persistent with Microendoscopic Discectomy than Open Discectomy? AAOS meeting Feb 2011, San Diego
24. **Bhavuk Garg**, Jayaswal A. Neck reconstruction (AIIMS Box Technique): An answer to large femoral neck defects. AAOS meeting Feb 2011, San Diego
25. Malhotra R, V Kumar, **Bhavuk Garg**. Total Hip Replacement for Arthritis following Tuberculosis of hip. AAOS meeting Feb 2011, San Diego
26. Malhotra R, V Kumar, **Bhavuk Garg**. A randomized clinical trial of an intra-articular technique versus epidural infusion in THR. AAOS meeting Feb 2011, San Diego
27. Malhotra R, V Kumar, **Bhavuk Garg**. Evaluate Abnormal head-neck offset and low prevalence of primary osteoarthritis in Indian population. AAOS meeting Feb 2011, San Diego
28. Malhotra R, V Kumar, **Bhavuk Garg**. Femoral Stress-Shielding in patients with 4/5th and 1/3rd porous coated cementless femoral stems. AAOS meeting Feb 2011, San Diego
29. **Bhavuk Garg**, Kotwal PP. Groin flap vs. abdominal flap for soft tissue reconstruction of hand. IOACON 2010, Dec 2010
30. Kotwal PP, **Bhavuk Garg**. Is there any role of locking plates in osteogenesis imperfecta? Accepted for EFORT 2011 Denmark
31. Madan M, Kotwal PP, **Bhavuk Garg**. A randomized controlled prospective trial comparing the results of "Gender knee" with Gender non specific "Nexgen" knee implants after total knee arthroplasty. Accepted for EFORT 2011 Denmark
32. Kotwal PP, **Bhavuk Garg**. Staged reduction of Neglected Transscaphoid perilunate dislocation: A report of 16 cases. Accepted for EFORT 2011 Denmark
33. Soral A, **Bhavuk Garg**, Kotwal PP. Triceps Reflecting anconeus pedicle (TRAP) approach vs. olecranon osteotomy for distal humerus fractures. Accepted for EFORT 2011 Denmark
34. Malhotra R, V Kumar, **Bhavuk Garg**. To evaluate the use of tranexamic Acid to reduce blood loss in primary cemented unilateral total knee arthroplasty. Accepted for EFORT 2011 Denmark
35. Kotwal PP, **Bhavuk Garg**. Groin flap vs. abdominal flap for soft tissue reconstruction of hand. Accepted for SICOT 2011 at Prague, Czech.
36. Jayaswal A, **Bhavuk Garg**. Is Subjective Outcome better and persistent with Microendoscopic Discectomy (MED) than Open Discectomy? Accepted for IMAST 2011 Denmark
37. **Bhavuk Garg**, Malhotra R, V Kumar, Kotwal PP. TRAP vs. Olecranon osteotomy for distal humerus fractures. Presented in AOA-NZOA meeting at Rotorua, NZ in Oct 2011
38. **Bhavuk Garg**, Jayaswal A. Neck reconstruction (AIIMS Box Technique): An answer to large femoral neck defects. Presented in AOA-NZOA meeting at Rotorua, NZ in Oct 2011
39. **Bhavuk Garg**, Jayaswal A. Is Subjective Outcome better and persistent with Microendoscopic Discectomy than Open Discectomy? WESSCONGRESS, Chandigarh, Feb 2012
40. **Bhavuk Garg**, Jayaswal A. Microendoscopic Discectomy: Stumbling blocks. WESSCONGRESS, Chandigarh, Feb 2012
41. **Bhavuk Garg**, Dhatt S. Use of single dose Tranexamic acid to reduce blood loss in operative thoracolumbar trauma: ASSICON, Delhi, Feb 2012
42. Kumar V, Malhotra R, **Bhavuk Garg**, Soral A, Trikha A. Tranexamic acid reduces blood loss in primary cemented unilateral total knee arthroplasty. Presented in AAOS, San Fransisco, USA, 2012
43. V Kumar, **Bhavuk Garg**, Malhotra R. Use of an antibiotic coated nail in treatment of infected nonunions of fracture shaft of femur. APOA annual meeting, New Delhi, 2012
44. Shankar V, **Bhavuk Garg**, Kotwal PP. Outcome assessment in wrist tuberculosis (AIIMS staging): an analysis of 53 cases. APOA annual meeting, New Delhi, 2012
45. Shankar V, **Bhavuk Garg**, Kotwal PP. Results of microvascular fibular diaphyseal transplant with locked fixation for congenital pseudarthrosis of tibia. APOA annual meeting, New Delhi, 2012

46. Mittal S, **Bhavuk Garg**, Kotwal PP. Radialization v/s centralization procedures for high grade radial club hand: a randomized trial. APOA annual meeting, New Delhi, 2012
47. Mittal S, **Bhavuk Garg**, Kotwal PP. Radialization v/s centralization procedures for high grade radial club hand: a randomized trial. ISSHCON 2012, Amritsar, Oct 2012, Best paper Award
48. Gupta P, **Bhavuk Garg**, Kumar V, Malhotra R. Subtrochanteric valgus osteotomy using double angled paediatric dynamic hip screw. APOA annual meeting, New Delhi, 2012
49. Gupta P, **Bhavuk Garg**, Kotwal PP. Angioleiomyomas of hand: rare mimickers of giant cell tumor of tendon sheath. APOA annual meeting, New Delhi, 2012
50. Mittal S, **Bhavuk Garg**, Kotwal PP. Radialization v/s centralization procedures for high grade radial club hand: a randomized trial. IFSSH-IFSHT combined Triennial meeting, Greater Noida, March 2013.
51. **Bhavuk Garg**, Dhatt S. Use of single dose Tranexamic acid to reduce blood loss in operative thoracolumbar trauma: AAOS, Chicago, March, 2013
52. Malhotra R, V Kumar, **Bhavuk Garg**. Use of Massive Structural Allografts in Revision of Infected Total Hip Replacement. AAOS, Chicago, March, 2013
53. Meena S, **Bhavuk Garg**, Kumar V, Malhotra R, Kotwal PP. Assistance in total knee replacement: Is more the Merrier. APOA annual meeting, New Delhi, Oct, 2012
54. Kumar V, Malhotra R, **Bhavuk Garg**, Bhan S. To study femoral Stress-Shielding in patients with 4/5th and 1/3rd porous coated cementless femoral stems. APOA annual meeting, New Delhi, Oct, 2012
55. Kumar V, Malhotra R, **Bhavuk Garg**, Bhan S. Tranexamic acid reduces blood loss in primary cemented unilateral total knee arthroplasty. APOA annual meeting, New Delhi, Oct, 2012
56. Kumar V, Malhotra R, **Bhavuk Garg**, Bhan S. Results of short metaphyseal cementless stem in young patients. APOA annual meeting, New Delhi, Oct, 2012
57. Kumar V, Malhotra R, **Bhavuk Garg**. A randomized controlled prospective trial comparing the results of "Gender knee" with Gender non specific "Nexgen" knee implants after total knee arthroplasty. APOA annual meeting, New Delhi, Oct, 2012
58. Kumar V, Malhotra R, **Bhavuk Garg**, Bhan S. Total Hip Replacement for Arthritis following Tuberculosis of hip. APOA annual meeting, New Delhi, Oct, 2012
59. Kumar V, Malhotra R, **Bhavuk Garg**. Tranexamic acid reduces blood loss in primary cemented unilateral total knee arthroplasty. APOA annual meeting, New Delhi, Oct, 2012
60. Madan M, **Bhavuk Garg**, Kumar V, Malhotra R. THR using cemented dual mobility cup in patients with failed proximal femur fixation. APOA annual meeting, New Delhi, Oct, 2012
61. Venkatesan SK, Kotwal PP, **Bhavuk Garg**, Suresh S. Are ulnar minus variant persons more prone to scaphoid fracture? APOA annual meeting, New Delhi, Oct, 2012
62. **Bhavuk Garg**, Dhatt S, Gahlot N. Short term outcome of short segment posterior instrumentation for thoracolumbar trauma with transpedicular bone grafting (PGIMER). APOA annual meeting, New Delhi, Oct, 2012
63. Prabhakar S, Dhillon MS, **Bhavuk Garg**, Dhatt SS, Soni RK. Nature and incidence of Upper Limb Injuries in Professional Cricket Players: A Prospective observation. APOA annual meeting, New Delhi, Oct, 2012
64. Kumar V, Malhotra R, **Bhavuk Garg**. Total hip Arthroplasty in severe developmental dysplasia of the Hip. APOA annual meeting, New Delhi, Oct, 2012
65. Malhotra R, Kumar V, **Bhavuk Garg**. Massive structural allografts in revision of infected Total Hip Replacement. APOA annual meeting, New Delhi, Oct, 2012
66. Malhotra R, Kumar V, **Bhavuk Garg**. Results of Total Hip Replacement in patients having post traumatic arthritis following acetabular fractures. APOA annual meeting, New Delhi, Oct, 2012
67. Kumar V, Malhotra R, **Bhavuk Garg**. Two stage revision of infected Hip Arthroplasty. APOA annual meeting, New Delhi, Oct, 2012
68. Malhotra R, Kumar V, Coshic P, Chatterjee K, **Bhavuk Garg**. Use of platelet concentrate in treatment of Nonunion of Long Bones. APOA annual meeting, New Delhi, Oct, 2012

69. Meena S, **Bhavuk Garg**, Kumar V, Malhotra R, Kotwal PP. TRAP vs. Olecranon osteotomy for distal humerus fractures. APOA annual meeting, New Delhi, Oct, 2012
70. Kumar V, Malhotra R, **Bhavuk Garg**. Treatment of Recalcitrant nonunion of Fracture of Femur with the use of fresh frozen irradiated cadaveric allograft. APOA annual meeting, New Delhi, Oct, 2012
71. V Kumar, **Bhavuk Garg**, Malhotra R. Use of antibiotic coated nail for the treatment of infected nonunion of fracture shaft of femur. APOA annual meeting, New Delhi, Oct, 2012
72. **Bhavuk Garg**, Dhatt S, Chakraborty S, Malhotra R, Kumar V. Use of single dose Tranexamic acid to reduce blood loss in operative thoracolumbar trauma: APOA annual meeting, New Delhi, Oct, 2012
73. Chakraborty S, **Bhavuk Garg**, Dhatt S. Use of single dose Tranexamic acid to reduce blood loss in operative thoracolumbar trauma: NASS annual meeting, October 2012, USA
74. Mittal S, **Bhavuk Garg**, Kotwal PP. Radialization v/s centralization procedures for high grade radial club hand: a randomized trial. APOA annual meeting, New Delhi, 2012
75. Mittal S, **Bhavuk Garg**, Kotwal PP. Radialization v/s centralization procedures for high grade radial club hand: a randomized trial. ISSHCON 2012, Amritsar, Oct 2012, Best paper Award
76. Mittal S, **Bhavuk Garg**, Kotwal PP. Radialization v/s centralization procedures for high grade radial club hand: a randomized trial. IFSSH-IFSHT combined Triennial meeting, Greater Noida, March 2013.
77. **BHAVUK GARG**. Subjective outcome following MED vs. Open discectomy, 8-10th Nov 2013, WENMISS, New Delhi
78. Kumar V, Malhotra R, **Bhavuk Garg**. Use of Massive structural allografts in revision of infected total hip replacement, Pan pacific orthopedic congress, ICJR, Hawaii, USA, 16-19th July 2014
79. Malhotra R, Kumar V, **Bhavuk Garg**. Results of Revision THA in treatment of infected hip arthroplasty due to gram-negative infection. Pan pacific orthopedic congress, ICJR, Hawaii, USA, 16-19th July 2014
80. Malhotra R, **Bhavuk Garg**, Kumar V. Results of THA in arthritis secondary to developmental dysplasia of hip. Pan pacific orthopedic congress, ICJR, Hawaii, USA, 16-19th July 2014
81. Malhotra R, Kumar V, **Bhavuk Garg**. Proximal femoral allograft-prosthesis composite in treatment of recurrent giant cell tumor of proximal femur. XXVI SICOT Triennial World Congress. 19 to 22 Nov 2014. SulAmérica Convention Centre. Rio de Janeiro, Brazil
82. Kumar V, **Bhavuk Garg**, Malhotra R. Results of use of structural allografts in revision total hip replacement. XXVI SICOT Triennial World Congress. 19 to 22 Nov 2014. SulAmérica Convention Centre. Rio de Janeiro, Brazil
83. Malhotra R, Kumar V, **Bhavuk Garg**. Results of bilateral cementless total hip replacement for bony ankylosis in patients with ankylosing spondylitis. XXVI SICOT Triennial World Congress. 19 to 22 Nov 2014. SulAmérica Convention Centre. Rio de Janeiro, Brazil
84. Kumar V, **Bhavuk Garg**, Malhotra R. A comparison of results of revision hip arthroplasty done for periprosthetic infection due to gram-negative and gram-positive bacteria. XXVI SICOT Triennial World Congress. 19 to 22 Nov 2014. SulAmérica Convention Centre. Rio de Janeiro, Brazil
85. Mehta N, Garg B, Kotwal PP. Comparison of MR Arthrography and Wrist Arthroscopy in Evaluation of Chronic Wrist Pain. ISSHCON 2015. Indore, India
86. **Bhavuk Garg**. Use of three column osteotomies in severe, rigid kyphotic deformities. APOA congress, Melbourne, 29th March-1st April 2016.
87. **Bhavuk Garg**, Kotwal PP, Mittal S et al. Pathogenesis of radial longitudinal deficiency – ultrastructural analysis of connective tissue structures. APOA congress, Melbourne, 29th March-1st April 2016.
88. **Bhavuk Garg**. Spinal osteotomies for rigid kyphotic spinal deformities, Spine week, Marina Sand Bays, Singapore, 16-20th May 2016
89. Batra S, **Bhavuk Garg**. Safety and efficacy of cervical pedicle screws, DOACON 2016, 25-27th Nov 2016

90. Mehta N, Garg B. Pedicle Expansion as a rare cause of neurological deficit in deformity correction surgery' at Delhi Spine Society Meeting, May 2017
91. **Bhavuk Garg**. Comparative evaluation of 3D printed zigs and free hand technique of pedicle screw insertion in complex spinal deformities, APSS-APPOS combined congress, Goa 22-24th August 2017
92. **Bhavuk Garg**. Comparative evaluation of 3D printed zigs and free hand technique of pedicle screw insertion in complex spinal deformities, selected for presentation in VTI gold medal session, ASSICON 2018, Chennai, 19-21st Jan 2018
93. Mehta N, **Bhavuk Garg**. Use of free hand cervical pedicle screw in pediatric population: safety and feasibility. ASSICON 2018, Chennai, 19-21st Jan 2018
94. Mehta N, Garg B. Sagittal Plane Osteotomies in Ankylosing Spondylitis' at Delhi Spine Society Meeting, February 2018
95. Mehta N, **Bhavuk Garg**. Use of free hand cervical pedicle screw in pediatric population: safety and feasibility. Cervical spine research society –Asia Pacific annual Meeting, New Delhi, 22-24th March 2018
96. Garima Malik, Kuldeep Singh Attri, Vikrant Piprode, Chetan J. Gadgil, Mohan R. Wani, **Bhavuk Garg** and Rajesh s Gokhale. Mycobacterium tuberculosis renovates host signaling networks to potentiate osteoclast differentiation and bone damage in Pott's Spine: A Possible molecular explanation for different behavior as compared to pulmonary tuberculosis. TB Day Symposium 2018, 21-22th March, 2018 AIIMS.
97. Batra S, **Bhavuk Garg** et al. To Develop Computer Assisted Patient Specific Pedicle Screw Guides For Spinal Deformities With The Help Of Volumetric CT Scan And 3D Reconstruction Models And Compare With Free Hand Technique. Session Title: Spine: Deformity And Miscellaneous. 19th EFFORT congress, Barcelona, 30th may -1st June 2018
98. Mehta N, Garg B. Growth Rods – Not always in harmony!' at Delhi Spine Society Meeting, July 2018
99. **Bhavuk Garg**. Comparative evaluation of 3D printed zigs and free hand technique of pedicle screw insertion in complex spinal deformities, HKOA annual meeting, Hongkong, 2018
100. Soni L, Mohan VK, **Bhavuk Garg** et al. Diagnosis of Facet Joint Arthropathy: Feasibility of Ultrasound Guided Lumbar Medial Branch Blocks. ASSICON 2019, Ahmadabad, 24-27th January 2019
101. **Bhavuk Garg**, Mehta N. 3D Gait pattern of patients with scoliosis: does etiology and time of onset matter? ASSICON 2019, Ahmadabad, 24-27th January 2019
102. De Manish, **Bhavuk Garg**, Mohan VK et al. Transforaminal Epidural Injection of Local Anaesthetic and Dorsal Root Ganglion Pulsed Radiofrequency Treatment in Lumbosacral Radicular Pain, International meeting on advanced spinal techniques, Amsterdam, 17-20th July 2019
103. **Bhavuk Garg**, Mehta N, Gupta M, Malhotra R. Influence of Etiology and Onset of Deformity on Spatiotemporal, Kinetic, Kinematic and Electromyography Gait Variables with Scoliosis. Spinal Cord Society -Gold Medal Paper Award session, ISSICON 2019, New Delhi, 12-14th October 2019.
104. Mehta N, **Bhavuk Garg**. Case Presentation on 'Giant Enemies Need Surgical Strike – Posterior-only Total En-bloc Spondylectomy for Giant Cell Tumour of Lumbar vertebra' at Delhi Spine Society Meeting, October 2019
105. Mehta N, **Bhavuk Garg**, Malik G. 'Identifying Blood-based signatures in Spinal Tuberculosis: A molecular insight'. DOACON 2019, New Delhi, 8-10th Nov 2019
106. Mehta N, **Bhavuk Garg**. A Study of Psoas Morphology with Respect to Safe Surgical Corridors for Lateral Lumbar Interbody Fusion in Indian Population'. DOACON 2019, New Delhi, 8-10th Nov 2019
107. Mehta N, **Bhavuk Garg**. Mountaineering the Spine – 'Selective hemivertebrae excision in congenital scoliosis with multiple hemivertebrae'. DSS meeting, Nov 2019
108. Mehta N, **Bhavuk Garg**. 'Influence of Cobb angle on Sagittal Alignment in Adolescent Idiopathic Scoliosis' at the 20th Annual Conference of the International Society for Advancement of Spine Surgery (ISASS 2020) at San Juan, Puerto Rico, February 26-28, 2020

109. Mehta N, **Bhavuk Garg**. 'Influence of Etiology and Onset of Deformity on the Spatiotemporal, Kinetic, Kinematic and Electromyographic Gait Variables in Patients with Scoliosis: A Prospective, Comparative Study' at the 20th Annual Conference of the International Society for Advancement of Spine Surgery (ISASS 2020) at San Juan, Puerto Rico, February 26-28, 2020
110. Mehta N, **Bhavuk Garg**. Case Presentation on 'Phosphaturic Mesenchymal Tumor in Upper Thoracic Spine causing Oncogenic Osteomalacia' at Delhi Spine Society Meeting, May 2020
111. **Bhavuk Garg**. Outcome of 3D printing jigs in spinal deformities: International Congress of Korean spine surgery society 1-3rd august 2020, online free paper presentation, Seoul
112. Mehta N, **Bhavuk Garg**. "Design and Implementation of an Enhanced Recovery After Surgery (ERAS) Protocol in Elective Lumbar Spine Fusion by Posterior Approach: A Retrospective, Comparative Study". Virtual world spine (Third Prize). 29-30th August 2020
113. **Bhavuk Garg**. Cervical sagittal parameter changes in Lenke 1 AIS patients pre and post-surgery: Multicentric study. ASSICON 2020, Virtual, Delhi, 18-20th Sep 2020
114. Mehta N, **Bhavuk Garg**. Validation of a Hindi version of the Revised Scoliosis Research Society (SRS)-22r Questionnaire in Patients with Adolescent Idiopathic Scoliosis' at the ASSI Virtual Con 2020, September 18-20, 2020
115. Mehta N, **Bhavuk Garg**. Active Apex Compression technique' at Delhi Spine Society Meeting, September 2020
116. Mehta N, **Bhavuk Garg**. 'Clinical, Radiological and Functional Outcome of Posterior Only Three-Column Osteotomy in Congenital Kyphosis' at DOACON 2020 (Annual Conference of Delhi Orthopaedic Association), New Delhi, India, November 27-28, 2020
117. Mehta N, **Bhavuk Garg**. Spinal Cord Society Gold Medal Paper Award Category on 'Design and Implementation of an Enhanced Recovery after Surgery (ERAS) Protocol in Elective Lumbar Spine Fusion Surgery by Posterior Approach' at ISSICON 2020 Virtual Conference, December 2020
118. Mehta N, **Bhavuk Garg**. Predictors of Surgical Duration in Posterior Spinal Fusion for Adolescent Idiopathic Scoliosis: A Retrospective Cohort Study' at ISSICON 2020 Virtual Conference, December 2020
119. Mehta N, **Bhavuk Garg**. Design and Implementation of an Enhanced Recovery After Surgery (ERAS) Protocol in Elective Lumbar Spine Fusion by Posterior Approach: A Retrospective, Comparative Study' at Virtual BSSCON 2020 (Annual Conference of the Bombay Spine Society)
120. Mehta N, **Bhavuk Garg**. Predictors of Operative Duration in Posterior Spinal Fusion for Adolescent Idiopathic Scoliosis: A Retrospective Cohort Study' at Virtual BSSCON 2020 (Annual Conference of the Bombay Spine Society)
121. Mehta N, **Bhavuk Garg**. Influence of Etiology and Onset of Deformity on Spatiotemporal, Kinematic, Kinetic and Electromyography Gait Variables in Patients with Scoliosis "A Prospective, Comparative Study. BSSCON best publication session, 19-20th December 2020
122. Mehta N, **Bhavuk Garg**. Predictors of Operative Duration in Posterior Spinal Fusion for Adolescent Idiopathic Scoliosis: A Retrospective Cohort Study' at ASSICON 2021 (Annual Conference of the Association of Spine Surgeons of India)
123. Kalyanasundaram D, Garg B, Singh M et al. Design of Indigenous Total elbow replacement, 4th International conference on clinical spine and orthopedics Biomechanics, 16-18th April 2021.
124. **Best paper award**. Garg B, Mehta N. "Design and Implementation of an Enhanced Recovery After Surgery (ERAS) Protocol in Elective Lumbar Spine Fusion by Posterior Approach: A Retrospective, Comparative Study", Safety in spine surgery annual meeting, 29th April 2021
125. Garg B, Mehta N, ASSI authors. Cervical sagittal parameter changes in Lenke 1 AIS patients pre and post-surgery: Multicentric study, IMAST 2021, 23-25th April 2021. online
126. Garg B, Mehta N. "Design and Implementation of an Enhanced Recovery After Surgery (ERAS) Protocol in Elective Lumbar Spine Fusion by Posterior Approach: A Retrospective, Comparative Study. Korean Society of spine surgery annual meeting. 28-30th May 2021, online
127. Mehta N, Garg B. Validation of a Hindi version of the Revised Scoliosis Research Society (SRS)-22r Questionnaire in Patients with Adolescent Idiopathic Scoliosis' at APOA 2021 (21st Asia-Pacific Orthopaedic Association Congress), July 2021 (Virtual)

128. Mehta N, Garg B. Predictors of Operative Duration in Posterior Spinal Fusion for Adolescent Idiopathic Scoliosis: A Retrospective Cohort Study' at the APSS-APPOS 2021 (13th Combined Meeting of Asia Pacific Spine Society & Asia Pacific Paediatric Orthopaedic Society), July, June 9-12 2021, Kobe City, Japan
129. Bansal T, Garg B. Clinical, radiological, and functional outcomes of posterior-only three-column osteotomy in congenital kyphosis. SICOT 2021 Online
130. Bansal T, Garg B et al. Clinical, radiological and functional outcome of posterior-only three-column osteotomy in healed, post-tubercular kyphotic deformity: a minimum of 2-year follow-up. SICOT 2021 Online
131. Garg B et al. Blood based signatures of Pott's spine: bench to bedside. ASSICON best basic sciences research award 2022, 29-30th April 2022
132. Mehta N, Garg B. Comparison of Efficacy and Safety of Percutaneous Vesselplasty and Vertebroplasty in Chronic, Non-healing Thoracolumbar Osteoporotic Vertebral Compression Fractures: A Prospective, Comparative Study' at ASSICON 2022 (Annual Conference of the Association of Spine Surgeons of India) held on 29th April-1st May, 2022 at Patna, India
133. Mehta N, Garg B. Diagnostic Yield of Image-guided Biopsy in Suspected Infectious Spondylodiscitis: A Prospective Study from a Tuberculosis-Endemic Country' at ASSICON 2022 (Annual Conference of the Association of Spine Surgeons of India) held on 29th April-1st May, 2022 at Patna, India
134. Bansal T, Garg B et al. Three-column osteotomy by single-stage posterior approach in congenital and post-tubercular kyphosis: a comparison of outcomes. ASSICON 2022, 29-30th April 2022, Patna
135. Mehta N, Garg B. Comparison of Free-hand and O-arm Navigation Guided Pedicle Screw Placement in the Lumbar Spine: A Prospective, Randomized Controlled Trial' at ISSLS 2022 (Annual Conference of the International Society for Study of Lumbar Spine) held on 9-14 May, 2022 at Boston, United States of America
136. Garg B et al. Blood based signatures of Pott's spine: bench to bedside. SICOT best basic sciences Research Award 2022. Kuala Lumpur, Malaysia 2022, 28-30th Sep 2022.
137. Bansal T, Garg B et al. Predictors of operative duration for posterior spinal fusion in Adolescent Idiopathic scoliosis: A Retrospective cohort study. Kuala Lumpur, Malaysia 2022, 28-30th Sep 2022.
138. Mehta N, Garg B. Advancements in Spine ERAS: The Erector Spinae (ESP) Block' at 22nd Annual Conference of International Society for Advancement of Spine Surgery (ISASS 22) held on June 1-4, 2022 at Paradise Island, Bahamas
139. Namit R, Garg B. Effects of Posterior Spinal Fusion Surgery on Gait Biomechanics in Patients with Adolescent Idiopathic Scoliosis. 42nd SICOT Orthopaedic Congress, September 2022, Kuala Lumpur, Malaysia. *Awarded NuVasive-SICOT foundation Scholarship for best oral presentation in Spine*
140. Namit R, Garg B et al. Clinical, Functional and Radiological Outcome following Posterior Spinal Fusion Surgery in Neurofibromatosis-I patients with scoliosis: A Retrospective Study. 42nd SICOT Orthopaedic Congress, September 2022, Kuala Lumpur, Malaysia. 28-30th Sep 2022
141. Namit R, Garg B et al. Mending the blue eyed boy: Staged Growing Rod application in a case of Osteogenesis Imperfecta. Spine Society Delhi Chapter, Bimonthly meet, September 2022, New Delhi, India
142. Namit R, Garg B et al. Lost in Time, Shadows and Transition: Osteoblastoma of Lumbosacral Transitional vertebra. Spine Society Delhi Chapter, Bimonthly meet, July 2022, New Delhi, India
143. Biswas A, Garg B, Malhotra R. Whole-Exome Sequencing Reveals Potential Susceptibility Genes for Knee Osteoarthritis. IMSACON, 18-19th Nov 2022, Mumbai
144. Garg B. Effect of posterior spinal fusion surgery on gait biomechanics in Patients with AIS. Spine week, 1-5th May, Melbourne, Australia
145. Garg B. O arm navigated vs free hand pedicle screw placement in lumbar spine: An RCT-advancement or a mirage on an edge over convention. Spine week, 1-5th May, Melbourne, Australia
146. Garg B. An obstetric and gynaecological insight to measure the gender specific issues including menstrual disorders in patients with scoliosis: A genuine step towards empowering women's inclusive health. selected for the VTI award session. Spine week, 1-5th May, Melbourne, Australia

Posters Presented

1. Sharma V, **Bhavuk Garg**, Khan SA, Kotwal PP. Tubercular Aneurysm of Aorta. *DOACON-2003*. GOLD MEDAL
2. Sharma V, **Bhavuk Garg**, Khan SA, Rastogi S. Massive Recurrent Tumoral Calcinosis. *IOACON 2003*
3. Ahmed A, Mahesh BH, Upendra B.N., **Bhavuk Garg**., Chowdhury B, Jayaswal. Unusual Posterior Fracture- Dislocations of Lumbar and Lumbosacral Spine-3 cases. *DOACON 2003*
4. Ahmed A, Mahesh BH, Upendra B.N., **Bhavuk Garg**., Chowdhury B, Jayaswal. Unusual Posterior Fracture- Dislocations of Lumbar and Lumbosacral Spine-4 cases. *ISICON 2004*
5. Gupta V, **Bhavuk Garg**, Sharma V, Shamsberry P, Kotwal PP. Volar fixation of unstable dorsally displaced / intra articular distal radial fractures using locking compression plate. Hand conference, Chandigarh-2006.
6. Rajesh Malhotra, Surya Bhan, Aarti Vij, **Bhavuk Garg**. Management of extensor mechanism deficient total knee arthroplasty: A Novel Method. 11th international conference of Asia pacific association of surgical tissue banks-2006.
7. Locking plates in distal femoral fractures. EFFORT-2009, Vienna, Austria.
8. Parallel plating distal humerus: Principal based approach. EFFORT-2009, Vienna, Austria.
9. Results of treatment of pediatric flexion type supracondylar fracture around elbow. EFORT-2009, Vienna, Austria.
10. V Kumar, **Bhavuk Garg**, Malhotra R. Infected nonunions of fracture shaft of femur treated with single stage procedure: Preliminary results in ten cases –10th EFORT Congress, Vienna ,Austria ,3rd -6th June 2009
11. V Kumar, **Bhavuk Garg**, Malhotra R. Short and midterm results following total knee arthroplasty with a posterior stabilized mobile bearing prosthesis, a retrospective and prospective study. 10th EFORT Congress, Vienna ,Austria ,3rd -6th June 2009
12. **Bhavuk Garg**, V Kumar, Malhotra R, Kptwal P P. Sacroiliac joint tuberculosis: A series of 57 cases. 11th EFFORT congress, Madrid, spain, 2010
13. **Bhavuk Garg**, Kotwal P. P. Results of Microvascular fibular Diaphyseal transplant with locked fixation for congenital pseudarthrosis of tibia. 11th EFFORT congress, Madrid, spain, 2010
14. **Bhavuk Garg**, Kotwal P. P. Lateral subperiosteal approach for glomus tumor. Accepted in 11th EFFORT congress, Madrid, spain, 2010
15. V Kumar, **Bhavuk Garg**, Malhotra R. Use of tranexamic acid to decrease blood loss in primary cementless hip Arthroplasty. 11th EFFORT congress, Madrid, spain, 2010
16. V Kumar, **Bhavuk Garg**, Malhotra R. Total hip replacement for tubercular arthritis. 11th EFFORT congress, Madrid, spain, 2010
17. V Kumar, **Bhavuk Garg**, Malhotra R. Total hip replacement for Acetabular fractures. 11th EFFORT congress, Madrid, spain, 2010
18. Malhotra R, V Kumar, **Bhavuk Garg**. Reconstruction of a severe acetabular defect (paprotsky type 3B) using a total acetabular allograft. IOACON 2009, Bhubneshwar, India
19. Malhotra R, V Kumar, **Bhavuk Garg**. Use of a cement impregnated spacer in two stage revision hip arthroplasty for infected hip arthroplasty. IOACON2009, Bhubneshwar, India
20. V Kumar, **Bhavuk Garg**, Malhotra R. Use of tranexamic acid to decrease blood loss in primary cementless hip Arthroplasty. SICOT 2010, Gothenburg, Sweden
21. Malhotra R, V Kumar, **Bhavuk Garg**. RESULTS OF TOTAL HIP REPLACEMENT IN PATIENTS HAVING POST TRAUMATIC ARTHRITIS FOLLOWING ACETABULAR FRACTURES. SICOT 2010, Gothenburg, Sweden
22. V Kumar, **Bhavuk Garg**, Malhotra R. Infected nonunions of fracture shaft of femur treated with single stage procedure: Preliminary results in ten cases. SICOT 2010, Gothenburg, Sweden
23. **Bhavuk Garg**, Kotwal PP. Giant Cell Tumor of Tendon Sheath: Whom to Give Postoperative Radiotherapy. AAOS meeting Feb 2011, San diego

24. **Bhavuk Garg**, Kotwal PP. Angioleiomyomas of Hand: Rare mimickers of Giant Cell Tumor of Tendon sheath. AAOS meeting Feb 2011, San diego
25. **Bhavuk Garg**, Kotwal PP. Insitu Decompression vs. Anterior Subcutaneous Transposition of ulnar nerve for Cubital Tunnel Syndrome. AAOS meeting Feb 2011, San diego
26. Jalan D, **Bhavuk Garg**, Kotwal PP. Giant lipoma causing carpal tunnel syndrome. IOACON 2010, Dec 2010.
27. **Bhavuk Garg**, Kotwal PP. Erythropoietin enhances functional recovery after peripheral nerve repair: Our experience. IOACON 2010, Dec 2010
28. Kumar V; Singh R; **Bhavuk Garg**, Malhotra R. Use of Autologous Platelet Concentrate in treatment of Non Union of fractures of long bones. Accepted for EFORT 2011 Denmark
29. Malhotra R, V Kumar, **Bhavuk Garg**. Results of Total Hip Arthroplasty done for arthritis following Tuberculosis of hip. Accepted for EFORT 2011 Denmark
30. **Bhavuk Garg**, Kotwal PP. Angioleiomyomas of Hand: Rare mimickers of Giant Cell Tumor of Tendon sheath. Accepted for EFORT 2011 Denmark
31. **Bhavuk Garg**, Malhotra R, Kotwal PP. Assistance in Total Knee Replacement: Is More the Merrier. Accepted for EFORT 2011 Denmark
32. **Bhavuk Garg**, Malhotra R, Kotwal PP. Non-operative management of Coccygodynia:. Accepted for EFORT 2011 Denmark
33. **Bhavuk Garg**, Kotwal PP. Outcome of In-situ Decompression vs. Anterior Subcutaneous transposition of ulnar nerve for Cubital Tunnel Syndrome. Accepted for EFORT 2011 Denmark
34. Kotwal PP, **Bhavuk Garg**. Subtrochanteric valgus osteotomy using pediatric DHS. Accepted for SICOT 2011 at Prague, Czech.
35. Jayaswal A, Kandwal P, **Bhavuk Garg**. Anterior release and posterior osteotomies for rigid severe scoliosis. Accepted for IMAST 2011 Denmark
36. Jayaswal A, Kandwal P, **Bhavuk Garg**. Posterior only vertebral column resection in management of severe angular spinal deformity. Accepted for IMAST 2011 Denmark
37. **Bhavuk Garg**, Kumar V, Malhotra R, Kotwal PP. Assistance in total knee replacement: is more the merrier. Presented in AOA-NZOA meeting at Rotorua, NZ in Oct 2011
38. **Bhavuk Garg**, Kumar V, Malhotra R, Kotwal PP. Non-operative management of coccygodynia. Presented in AOA-NZOA meeting at Rotorua, NZ in Oct 2011
39. **Bhavuk Garg**, Kumar V, Malhotra R. Role of strut allografts. Presented in IOACON 2011, dec 2011
40. **Bhavuk Garg**, Dhatt S. Short term outcome of short segment posterior instrumentation for thoracolumbar trauma with transpedicular bone grafting and pedicle screw fixation in fractured vertebra. ASSICON, Delhi, Feb 2012
41. **Bhavuk Garg**, Kandwal P, Goswami A, Upendra BN, Jayaswal A. Anterior vs. posterior approach for thoracolumbar tuberculosis. ASSICON, Delhi, Feb 2012
42. **Bhavuk Garg**, Vivek Shankar, Vijay Kumar, Rajesh Malhotra. Outcome and persistence of Fluoroscopically guided selective nerve root block in patients of low back pain with annular tears. ASSICON 2014, Kolkata, 23rd-26th Jan 2014
43. **Bhavuk Garg**, Senthil V, Vijay Kumar, Rajesh Malhotra. Piriformis Syndrome Revisited: A clinico-radiological and therapeutic outcome based retrospective analysis. ASSICON 2014, Kolkata, 23rd-26th Jan 2014
44. V, Senthil Kumar, Garg, Bhavuk, Malhotra, Rajesh, Kumar, Vijay. Piriformis Syndrome Revisited: A clinico-radiological and therapeutic outcome based retrospective analysis. EFORT, London, UK, 4-6th June 2014
45. Vivek Shankar, **Bhavuk Garg**, Vijay Kumar, Rajesh Malhotra. Outcome and persistence of Fluoroscopically guided selective nerve root block in patients of low back pain with annular tears. EFORT, London, UK, 4-6th June 2014
46. Shankar V, **Bhavuk Garg**, Dhatt S. Outcome Evaluation Of Integrated Plate And Spacer Device For Anterior Cervical Discectomy And Fusion . EFORT, London, UK, 4-6th June 2014
47. Kumar V, **Bhavuk Garg**, Malhotra R. Trabecular metal cup-cage construct in management of Acetabular bony defects. Pan pacific orthopedic congress, ICJR, Hawaii, USA, 16-19th July 2014

48. Kumar V, **Bhavuk Garg**, Malhotra R. Results of Two stage revision of infected hip arthroplasty. Pan pacific orthopedic congress, ICJR, Hawaii, USA, 16-19th July 2014
49. Kumar V, **Bhavuk Garg**, Malhotra R. Results of total hip arthroplasty in patients having posttraumatic arthritis following Acetabular fractures. Pan pacific orthopedic congress, ICJR, Hawaii, USA, 16-19th July 2014
50. Malhotra R, Kumar V, **Bhavuk Garg**. Proximal femoral allograft-prosthesis composite in treatment of recurrent giant cell tumor of proximal femur. Pan pacific orthopedic congress, ICJR, Hawaii, USA, 16-19th July 2014
51. Malhotra R, Kumar V, **Bhavuk Garg**. Results of short metaphyseal cementless stems in young adults. Pan pacific orthopedic congress, ICJR, Hawaii, USA, 16-19th July 2014
52. **Bhavuk Garg**, Kumar V, Malhotra R, Kotwal PP. Revision Total elbow arthroplasty: what have we learnt. Pan pacific orthopedic congress, ICJR, Hawaii, USA, 16-19th July 2014
53. **Bhavuk Garg** et al. Nail preserving modified lateral subperiosteal approach for subungual glomus tumour: a novel surgical approach. EFORT 2015, Prague, 27-29th May 2015
54. **Bhavuk Garg** et al. Early graft migration causing colon perforation after TLIF. EFORT 2015, Prague, 27-29th May 2015
55. Malhotra R, Kumar V, **Bhavuk Garg**, Shankar V. Treatment Of Supracondylar Fractures Of Femur With Mega-prosthesis Or Distal Femoral Allograft. EFORT 2015, Prague, 27-29th May 2015
56. Kumar V, **Bhavuk Garg**, Malhotra R. Results Of Revision Hip Arthroplasty Done For Periprosthetic Infection Due To Gram-Negative And Gram-Positive Bacteria. EFORT 2015, Prague, 27-29th May 2015
57. Batra S, **Bhavuk Garg**. 3D printing for spinal deformities, MIDCON Delhi Orthopedic Association, First Prize 2016
58. Mahmood A, **Bhavuk Garg**. ALL incompetency in Posterior approach to Lumbar Spine Surgery: A cause of complication, DOACON 2016, New Delhi, 25-27th Nov 2016
59. **Bhavuk Garg**. Comparative evaluation of 3D printed zigs and free hand technique of pedicle screw insertion in complex spinal deformities. ICS 2017, Kovlam, 11-13th August 2017.
60. Kaustubh Ahuja, Buddhadev Chowdhary, **Bhavuk Garg**, R.K. Yadav. Comparative Analysis of Serum Melatonin Levels in Adolescent Scoliosis, Congenital Scoliosis and Controls. ICS 2017, Kovlam, 11-13th August 2017.
61. Kaustubh Ahuja, Buddhadev Chowdhary, **Bhavuk Garg**, R.K. Yadav. Comparative Analysis of Serum Melatonin Levels in Adolescent Scoliosis, Congenital Scoliosis and Controls The APSS-ASJ best poster award – 11th combined meeting of Asia pacific spine society & Asia pacific pediatric orthopaedic society, grand Hyatt goa, India (22nd – 24th September 2017)
62. **Bhavuk Garg**. Comparative evaluation of 3D printed zigs and free hand technique of pedicle screw insertion in complex spinal deformities. SICOT annual meeting, Cape town, South Africa 29th Nov-2nd Dec 2017
63. BEST POSTER AWARD. **Bhavuk Garg** et al. Role of bone scans in evaluation of osteoporosis and patients receiving alendronate and Teriparatide. ASSICON 2018, Chennai, 19-21st Jan 2018
64. BEST POSTER AWARD. Soni L, Mohan VK, **Bhavuk Garg** et al. Diagnostic Ultrasound Guided Lumbar Medial Branch Block of Dorsal Ramus in Facet Joint Arthropathy: Technical Feasibility and Validation by Fluoroscopy, ASRA's World Congress on Regional Anesthesia & Pain Medicine, April 19-21, 2018 at the Marriott Marquis in New York. (Best poster Award)
65. Garima Malik, Vijay Hadda, **Bhavuk Garg**. Identification of blood based signatures for spinal tuberculosis: A molecular insight. TB Day Symposium 2018, 21-22th March 2018 AIIMS.
66. BEST POSTER AWARD. Agarwal G, Verma T, Mishra A, Meena A, Kumar R, Maini L, **Bhavuk Garg**, Malhotra R. Evaluation of effects of Unloader Hip Brace on kinematics of Hip Joint. MIDCON 2018
67. **Bhavuk Garg**, Mehta N. Effect of Sequential Multi-axial Corrective Surgery on Sagittal Balance in Adolescent Idiopathic Scoliosis. ASSICON 2019, Ahmadabad, 24-27th January 2019
68. **Bhavuk Garg**, Mehta N. Effect of Sequential Multi-axial Corrective Surgery on Sagittal Balance in Adolescent Idiopathic Scoliosis. ASSICON 2019, Ahmadabad, 24-27th January 2019

69. Best Poster Award. Gupta M, **Bhavuk Garg**, Mehta N, Malhotra R. Influence of etiology and onset of deformity on 3D Gait pattern of patients with complex spinal deformity. 3rd International Conference on Clinical Orthopedics & Spine Biomechanics, 26-28th April 2019, ISIC, New Delhi
70. Gupta M, **Bhavuk Garg**, Mehta N, Malhotra R. Influence of etiology and onset of deformity on 3D Gait pattern of patients with complex spinal deformity. AIIMS research day, New Delhi. 26th March 2019
71. **Bhavuk Garg**, Mehta N, Mukherjee R. Influence of Cobb's angle on sagittal parameters in AIS patients, ISSICON 2019, New Delhi, 12-14th October 2019
72. **Bhavuk Garg**, Mehta N, Mukherjee R. Influence of Cobb's angle on sagittal parameters in AIS patients, DOACON 2019, New Delhi, 8-10th Nov 2019
73. Best Poster award. Goyal D, Mehta N, **Bhavuk Garg**. Defining a safe working zone for lateral lumbar interbody fusion in Indian population: A radiological cross sectional study. MIDCON 2020, Delhi, 19th July 2020
74. Best poster award. Mehta N, Shubhankar S. **Bhavuk Garg**. ERAS protocol for spine surgery: design and implementation. DOACON 2020, 28-29th Nov 2020.
75. **Bhavuk Garg**, Gupta M, Mehta N, Malhotra R. Effect of spinal fusion on gait biomechanics in AIS patients, ISSICON 2020, New Delhi-12-13th December 2020
76. **Bhavuk Garg**, Mehta N. 'Modified Posterior Vertebral Column Resection for Severe, Spinal Deformity: A Retrospective, Comparative Study' MIDCON 2020 New Delhi, India
77. **Bhavuk Garg**, Mehta N. Differential miRNA expression in osteoporotic elderly patients with hip fractures compared to young patients', 2nd Asia-Pacific Regional Expert Meeting on the Prevention and Management of Fragility Fractures – October 24-25, 2020
78. Mukharjee R, Mehta N, **Bhavuk Garg**. Modified Posterior Vertebral Column Resection For Severe Spinal Deformity: A Retrospective, Comparative Study. BSSCON 2020, 19-20th Dec 2020
79. *Kabra A, Garg B, Mehta N et al. 'Predictors for postoperative ICU stay in adolescent patients (10-19 years) with scoliosis - a retrospective study'. DOACON 2nd Prize Nov 2022
80. Garg B. Identification of blood based signatures for spinal tuberculosis: A molecular insight from bench to bedside. Spine week, 1-5th May, Melbourne, Australia
81. Garg B. Safety and feasibility of growth rod distraction procedure as day care surgery in Early onset scoliosis: A retrospective observational study of 653 procedures. Spine week, 1-5th May, Melbourne, Australia
82. Garg B. Predictors of blood loss in AIS: A retrospective insight from 109 pediatric spinal deformities. Spine week, 1-5th May, Melbourne, Australia
83. Garg B. WBB layered surgical strategy for osteoid osteoma and osteoblastoma : An insight into mid term follow up on the clinical radiological and functional outcomes. Spine week, 1-5th May, Melbourne, Australia
84. Garg B. Is pedicle morphology influenced by curve magnitude or curve rotation in AIS. Spine week, 1-5th May, Melbourne, Australia
85. Garg B. Incidence of intraspinal anomalies in congenital and other subtypes of idiopathic scoliosis: A radiological insight based on 320 scoliosis patients. Spine week, 1-5th May, Melbourne, Australia
86. Garg B. Predictive factors for postoperative intensive care admission in pediatric scoliosis surgery. A multifactorial analysis study involving 117 patients. Spine week, 1-5th May, Melbourne, Australia
87. Garg B. An insight into the clinical , functional radiological outcomes following posterior spinal fusion surgery in dystrophic type of NF type 1 patients. Spine week, 1-5th May, Melbourne, Australia
- 88.

EDITORIAL BOARD

Associate editor, **North American Spine society Journal (NASSJ)**

Associate editor, **Journal of Clinical Orthopedics and Trauma**

Associate Editor -**Indian Journal Of Orthopedics**

Member, editorial board- World journal of Orthopedics

Member, editorial board- Techniques in Orthopedics

Co-editor of orthopaedic journal- **Orthopaedics Today**

Co-editor of orthopaedic journal- **Punjab orthopaedic journal**

REVIEWER OF JOURNALS

1. Postgraduate Medical Journal
2. African journal of Paediatrics
3. Orthopaedics Today
4. Journal of medical case reports
5. Indian journal of Orthopaedics
6. Medical practice and principles
7. Annals of health
8. European journal of orthopedics and traumatology
9. BMC infectious diseases
10. Journal of Arthroscopy and joint surgery
11. British journal of joint surgery
12. Global spine journal
13. JCOT
14. The Spine journal
15. NASSJ
16. Indian journal of Medical Research
17. National medical journal of India
18. ISSJ
- 19.

RESEARCH AND AUDIT EXPERIENCE

Thesis

1. Randomized Controlled Comparative Study between Open Discectomy and Endoscopic Microdiscectomy under the guidance of Prof. A. Jayaswal, Dept. of Orthopedics, AIIMS - **Thesis** accepted for completion of **Master of Surgery in Orthopaedics**, June 2004.

Thesis Co-guide for MD/MS/DM/M.Ch

Departmental:

1. Thesis co-guide on "A prospective insight into epidemiology of ankle and foot fractures-dislocations and their outcome": Gaurav Sharma PGI
2. Thesis co-guide on "Radialization v/s centralization procedures for high grade radial club hand: a randomized trial": Samarth Mittal (AIIMS)
3. Thesis co-guide for Amrut Raje: Role of PRP vs. local steroids for subacromial impingement syndrome: randomized trial
4. Thesis co-guide for Nishank Mehta: Role of wrist arthroscopy and MR arthrography in chronic wrist pain evaluation
5. Thesis co-guide for Dr. Kaustubh Ahuja (orthopedics): Comparative analysis of metabolic and coagulation profile in AIS and congenital scoliosis (PUBLISHED)
6. Thesis co-guide for Dr. Devanand Hulmani (orthopedics): To study histopathological and electron microscopic features of ligamentum flavum in degenerative lumbar canal stenosis in comparison with young adults undergoing discectomy
7. Thesis co-guide for Dr. Mohammad Akmal (orthopedics): To study the clinical and radiological outcome of posterior and posterolateral decompression and instrumented interbody fusion using locally harvested bone graft in traumatic fracture dislocation of thoracolumbar spine
8. Thesis co-guide for Dr. Gokul (Orthopedics). "Role of CT guided percutaneous biopsy in suspected case of tuberculosis spine"
9. Thesis coguide for Dr Tejas Jha (orthopedics). "An ambispective study determining the prevalence of menstrual irregularities and related disorders in female patients of scoliosis and assessment of their obstetrical and reproductive health."

10.

Thesis guide

1. Thesis guide for Dr Venkata sankkayala.
2. Thesis guide for Dr Sauma Shankar Dey. “Triple Randomised Controlled Trial Comparing The Accuracy And Safety Between Free Hand, O-Arm Navigated And Robot-Assisted Pedicle screw Placement In Thoracolumbar Spine
3. Thesis coguide for Dr Pon Arvindhan (orthopedics). “An ambispective study on the clinical, functional and radiological assessment of scoliotic patients preoperatively and postoperatively. (completed)

Non Departmental

1. Thesis co-guide for radiology candidate Dr. Gopinath (Radiology): MR evaluation of chronic ankle pain
2. Thesis co-guide for Dr. Sumit Mukharjee (Biochemistry): Comparison of EMT/MET profile in Mesenchymal stem cells and synovial sarcoma 2014
3. Thesis co-guide for Dr. Heera lal (Radiology): MRI evaluation of chronic elbow pain
4. Thesis co guide for Dr. Nitin Srivastav (MCh. Urology): Prospective comparison of clinical and urodynamic parameters in patients of spinal tuberculosis before and after spinal surgical intervention.(PUBLISHED)
5. Thesis co-guide for Anaesthesia candidate Dr. Manish Dey: Transforaminal Epidural Injection of Local Anaesthetic & Dorsal Root Ganglion Pulsed Radiofrequency Treatment in Lumbosacral Radicular Pain- A Randomized, Triple-Blind, Active-Control Trial'
6. Thesis co-guide for Radiodiagnosis candidate Dr. Akhil Monga: Advanced imaging and image guided interventions in chronic back pain
7. Thesis co-guide for Geriatric medicine candidate Dr. Sumitabh Singh: Impact of frailty and geriatric syndromes on outcome of major orthopaedic surgery in older Indian patients
8. Thesis co-guide for Laboratory medicine candidate Dr. Rajiv ranjan: Histology of Lumbar Intervertebral Disc in Disc Degenerative Disease and its correlation with clinical and radiological findings
9. Thesis co-guide for Dr. Lipika (Anaesthesia): Diagnostic ultrasound guided lumbar medial branch block of dorsal ramus in facet joint arthropathy: technical feasibility and validation by fluoroscopy
10. Thesis co-guide for Dr. Piyush Aggarwal (radiodiagnosis): Percutaneous Image-guided Interventions in spine diseases
11. Thesis co guide for Dr. Neeren Ravela (Infectious diseases); Characteristics and Clinical outcomes of Musculoskeletal Tuberculosis in patients presenting to tertiary care hospital in India (completed)
12. Thesis co-guide for Dr. Krishna Kumar RG (radiodiagnosis): Magnetic Resonance Imaging Evaluation of Response to Therapy in Tubercular Spondylodiscitis
13. Thesis co-guide for Dr. Basanta Khatiwada (Transfusion Medicine): Randomized controlled trial comparing effectiveness of Acute Normovolemic Haemodilution (ANH) for perioperative blood management in patients undergoing scoliosis surgery
14. Thesis co-guide for Dr. Sourav Mondal (Anaesthesia): Comparison of analgesic efficacy of classical thoraco- lumbar interfascial plane block (TLIP) Vs lateral thoraco-lumbar interfascial plane block in patients undergoing lumbar disc surgeries: A comparative, randomized controlled trial
15. Thesis co-guide for Dr. Rekha Rathee (Microbiology): “Point of care Lipoarabinomannan antigen detection in urine for the diagnosis of Pulmonary tuberculosis and Extra pulmonary tuberculosis (EPTB)”
16. Thesis co-guide for Dr. Pawan Pagaku (biochemistry): “Evaluating the role of Symphytum Officinale in bone remodelling”(Completed)
17. Thesis co guide for Dr Ummul Fabeena Mangaladan, Department of Anaesthesiology : “To compare the sedative effect of subarachnoid block with and without intravenous midazolam using BIS monitoring in patients undergoing lower limb surgeries-A randomized controlled trial” (completed)
18. Nuclear medicine on sacral chordoma

19. Thesis co guide for Dr. (physiology): Assessment of risk factor associated with intraoperative fall in evoked potentials in deformity correction surgery
20. Thesis co guide for Dr. Kaimedilung (Anesthesia): Comparison of Analgesic efficacy of PENG block vs QL3 block in adults patients undergoing THRs
21. Thesis co-guide for Sneha Sharma (Anesthesiology): To evaluate the effects of perioperative oral probiotic in preventing perioperative neurocognitive disorders among elderly patients following hip or knee arthroplasty: A randomised controlled trial
22. Thesis coguide for Dr Manikya (nuclear medicine): Role of F-18 FDG PETCT in the Management of Chordoma (submitted 2024)
23. Thesis co-guide for Dr.Varshini G (Anaesthesiology): To compare the opioid sparing effects of combination of dexamethasone and dexmedetomidine vs dexamethasone in patients undergoing lumbar spine surgery: a prospective double blind randomised placebo controlled trial.'
24. Thesis co-guide for dr. Dr Siddhavivek Majage. "Comparison of analgesic efficacy of modified plain thoraco- lumbar interfascial plane block (TLIP) Vs modified thoracolumbar interfascial plane block with dexmedetomidine as adjuvant in patients undergoing lumbar disc surgeries: A comparative, randomized controlled trial"

25.

PhD/MSc Co-guide

1. PhD co-guide for Ms. Nidhi Gupta (biochemistry): Role of Versican and its signaling in Multiple Myeloma
2. PhD co-guide for Dr. Deepak Juyal (Microbiology): Effectiveness of bundled intervention in surgical site infections among patients undergoing clean orthopedic surgery with hardware implants: A randomized controlled trial.
3. PhD co-guide for Dr. Sandeep Kumar Aggarwal (biochemistry): Elucidating the link between osteoblastic differentiation of human bone marrow derived mesenchymal stem cells and their tumorigenic potential
4. PhD co-guide for Ms. Asha Bhardwaj (biotechnology): To dissect the role of "Gut-Immune" axis in regulating Bone Health"-started in 2020
5. MSc Co-guide for Ms. Harshita Mangla (medical Physiology): Effect of cortical iTBS on Left Ventricular structure and cardiovascular variables in complete low thoracic SCI rat model (completed July 2022)
6. PhD co guide for Ms Shivani Chaudhary (engineering): Tough Self-healing hydrogel for Cartilage Regeneration(completed July 2022)
7. PhD co guide for DESH DEEPAK LAWANIA (engineering):Design and Analysis of Low Power Ultrasound Imaging System

Doctoral committee member

1. DC member for Mr. E Pranshu Rao for his thesis work entitled "Application of Human Amniotic membrane & Silk based 3D printed Scaffolds for Stem cells and Regenerative medicine".
2. DC member for Sumedha Yadav for her thesis work entitled "Immunoporosis: Establishing the immunomodulatory role of Gut microbiota associated metabolites in osteoporosis" towards her PhD, department of Biotechnology

List of Grants received:

International as PI

Sr. No	Title of study	From	To	Funding Agency	Grant Amount
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1	Epigenetic insight looking at possible differential miRNA expression among osteoporotic elderly and young patients with hip fractures”: A Pilot Study	25-05-18	24-05-19	AO Trauma Asia Pacific Research Grant	172000 INR
International as Co PI					
Sr. No	Title of study	From	To	Funding Agency	Grant Amount
	Safety Suitability and Clinical Effectiveness of Unicompartmental Knee Replacement in the Indian Population	Oct 2014	Oct 2016	UKIERI DST	3000000/- INR

National as PI

Sr. No.	Title of Study	From	To	Funding Agency	Grant Amount
1.	To investigate the regulatory potential of Estrogen in modulating differentiation and function of regulatory B cells: Implications in bone remodelling	2021	2023	AIIMS	1000000
2.	To investigate the long-term impact of COVID-19 on bone health	2021	2023	AIIMS	1000000
3.	To develop low cost Indigenous Magnetic Growth Rod for Early onset Scoliosis patients	2021	2024	ICMR	8000000 INR
4.	Comparative evaluation of genetic and cytokines profile in age-matched North Indian subjects with and without knee Osteoarthritis: A follow up study	2021	2024	ICMR	12436788 INR
5.	Integration and application of artificial intelligence in care of patients with scoliosis	2021	2024	ICMR	8463485 INR
6.	A comparative study between pentoxifyline and Teriparatide for the treatment of postmenopausal osteoporosis: A randomized controlled Trial	2021	2024	ICMR	
7.	A Phase III, Multicenter, Randomized, Open Label, Parallel Group, Comparative Clinical Study To Evaluate The Efficacy And Safety of Aceclofenac Topical Ointment, 1.5% w/w with Voveran Emulgel®, (Diclofenac Sodium 1.0% w/w), For The Treatment of Acute Musculoskeletal Conditions.	March, 2020	May, 2020	Panacea Biotech	330000 INR
8.	Designing of patient specific Total Elbow Replacement prosthesis for Indian Population	30-07-2019	29-07-2022	ICMR	13000000 INR

9.	To develop computer assisted patient specific osteotomy and drill guides for spinal deformities with the help of volumetric CT scan and 3D reconstruction models	01-09-2014	28-02-2018	DBT	50000000 INR
10.	Comparison of Bone scan changes during and after treatment with Alendronate and Teriparatide for the treatment of osteoporosis	06-07-2015	05-07-2018	ICMR	3700000 INR
11.	Comparisons of Cytokines, Matrix Metalloproteinase and Bone Markers between Normal, Pyogenic osteomyelitis, Pulmonary and spinal Tuberculosis Subjects	27-09-2016	26-09-2018	AIIMS	1000000 INR
12.	Comparative evaluation of genetic and cytokines profile in age matched Indian subjects with and without knee Osteoarthritis	16-08-2017	14-08-2020	ICMR	14900000 INR
13.	A Prospective, Active-controlled, Randomized, Double blind, Multicenter, Phase III Study to Compare the Safety and Efficacy of Biosimilar Denosumab of Enzene Biosciences Limited versus Innovator Denosumab in the Treatment of Postmenopausal Osteoporosis	05-10-2018	04-06-2020	Alkem Laboratories	1000000 INR
14.	Assessment of bone health in Transgender population of India	06-10-2018	22-08 2021	ICMR	7200000 INR
15.	Does thumb opposition recovers following carpal tunnel release: : A clinical, radiological and electrophysiological pilot study	2011	2012	AIIMS	400000 INR

National as Co-Investigator

Sr. No.	Title of Study	From	To	Funding Agency	Grant Amount
1.	Effect of nicotine replacement therapy on peri-operative opioid requirement in abstinent tobacco smokers undergoing spinal fusion, a double blind randomized controlled trial	01-02-2021	31-01-2024	ICMR	5000000 INR
2.	Clinical and molecular investigation of Bone Tuberculosis in humans	2013	2014	Funding to IGIB	-
3.	Medications use patterns, treatment satisfaction, and inadequate control of osteoporosis study (MUSIC-OS): an international study of postmenopausal	2013	2016	Merck	330000

	women treated for osteoporosis in clinical practice				
4.	To study the bacterial adherence and bacterial tendency of bio-film formation of different bacteria to various Bio-materials	Mar-2014	Mar-2015	ICMR	1250000 INR
5.	Differential diagnosis of Tuberculosis at extra pulmonary sites using blood based gene signatures	2017	2019	CSIR IGIB	2000000 INR
6.	Development and validation of rehabilitation adherence questionnaire for post total knee arthroplasty patients. Public Health Foundation of India	Jan 2020	March 2020	ICMR	2000000 INR
7.	Comparison of yearly zoledronic acid Versus Weekly Alendronate in Preference, Convenience, compliance, persistence and Bone Turnover Markers in Indian Postmenopausal Osteoporotic Women	2017	2020	ICMR	4000000 INR
8	Effectiveness of bundled intervention in surgical site infections among patients undergoing clean orthopedic surgeries with hardware implants: A randomized controlled trial	2019	2022	ICMR	4000000 INR
8.	Clinical Research to assess efficacy of repetitive transcranial magnetic stimulation along with neurotrophic coated nanoparticles in complete spinal cord injury patients	2020	2023	DBT	8835200 INR
9.	Biomechanical study on the efficacy of rehabilitation for subjects with trauma induced gait impairment	2022	2024	DRDO	2804500 0 INR

Research Methodology related workshops

As Faculty:

1. Randomized controlled trials. IOACON 2011, Noida, Dec 2011.
2. DHR/ICMR – HRD MEDICAL DIAGNOSTICS AND DEVICES INNOVATION PARTNERSHIP WORKSHOP

As Participant:

1. Workshop on Evidence based Medicine, AIIMS, New Delhi, March 2010
2. Workshop on How to write research grant proposal, AIIMS, Aug 2012
3. Training cum User awareness Program on Biomedical information, held by NIC, New Delhi, 5th Apr 2013
4. AIIMS capacity building workshop on Pharmacovigilance in clinical trials, AIIMS, 16th July 2013
5. Workshop on scientific writing, AIIMS, 20-21 Jan 2014, New Delhi
6. Road Map for Patents: Where to Start and How to Proceed? AIIMS, 8th Sep, 2014
7. Basic Research methodology workshop, AIIMS, 8-9th August 2014

8. North American “evidence based medicine” online training Program, 2019
9. Meta-analysis and systematic analysis in spine, AO North America Webinar 12th Dec 2020, online
10. ICH-GCP course completion in March 2022

Examiner:

1. External examiner: MS (orthopedics) AIIMS Rishikesh, Decemeber 2020
2. Internal Examiner: AIIMS spine fellowship exit exam, Decemeber, 2020
3. External Examiner: FNB(spine) exit examination organized by NBE, 26-28th Nov 2020
4. Internal Examiner, AIIMS spine fellowship exit exam, July, 2021
5. Internal Examiner, AIIMS MS (ortho) examination, Dec 2021

Advanced Courses

1. AO Spine basic course, Delhi, July 2007
2. AO Basic course, Chandigarh, April 2007
3. AO advance course, Mumbai, April 2008
4. Basic Knee Arthroplasty Course (university of DUNDEE), New Delhi, Apr 2002
5. Spine Masters course in Pedicle Screw fixation, New Delhi, Sep 2006.
6. Workshop on Hand surgery, November 2006, New Delhi.
7. Workshop on AVN hip and surface hip replacement, November 2006, New Delhi.
8. Workshop on Revision THR and TKR, November 2006, New Delhi.
9. Workshop on Spine Minimally Invasive & Motion Preservation Techniques, November 2006, New Delhi.
10. Delta foundation instruction course on Techniques for high performance primary TKA achieving a satisfying outcome, Dec 2006, New Delhi.
11. Basic workshop on Sports Medicine and Arthroscopy Shoulder, New Delhi, March 2007
12. Basic knee and shoulder arthroscopy certification workshop (IAS), Delhi, February 2007
13. Basic cadaveric Arthroscopy workshop, Delhi, April 2007
14. Live demonstration & workshop on Arthroscopy of Knee and Shoulder, May 2006, Base Hospital, New Delhi.
15. Current Concepts in Arthroplasty, September 2005, A.I.I.M.S., New Delhi
16. National Symposium on Musculoskeletal Allografts, March 2004, A.I.I.M.S., New Delhi
17. DOACON 2004, November 2004, A.I.I.M.S. New Delhi.
18. Sixth Post-graduate instructional course in Orthopaedics, March 2004, New Delhi.
19. IOACON 2003, Chennai, India, Dec 2003
20. DOACON 2003, January 2004, New Delhi.
21. Hand Surgery Update 2003, April 2003, A.I.I.M.S., New Delhi.
22. International Bone Tumor Symposium, September 2002, A.I.I.M.S., New Delhi.
23. Geriatric orthopaedic symposium, New Delhi, Feb 2005
24. Indo-US Emergency Medicine Summit 2005, New Delhi, Oct 2005
25. ASSICON, Chandigarh, February 2006
26. International Symposium on Stem Cell Therapy and Research, New Delhi, January 2006
27. Symposium on 'Controversies in the management of T.B. spine, New Delhi, July 2006
28. Combined Instructional course Lectures Current Concepts and Future Trends of ASSI and SSE, Hyderabad, August 2006.
29. IOACON 2006, November 2006, New Delhi.
30. ASSICON-2007, Ahmedabad, January 2007.
31. Indian Arthroplasty Association conference, Chandigarh, February, 2007
32. CME on Sports Medicine, New Delhi, March 2007
33. ICS: Instructional course in spine: 2007. Goa, August 2007
34. World society for endoscopic, navigated and minimal invasive spine surgery (WENMISS) congress in London, UK, January 2008
35. ASSICON 2008, Coimbatore, January 2008
36. ISSLS instructional course, Coimbatore, January 2008
37. ISSICON, New Delhi, February 2008
38. IOAICL 2008, New Delhi, April 2008
39. ICS 2008, Shimla, August 2008
40. Current concepts in Arthroplasty, New Delhi, August 2008
41. MIDCON, New Delhi, September 2008
42. SRS worldwide regional meeting on "Spinal Deformity: Current Concepts", New Delhi, October 2008
43. NASS meeting, Toronto, Canada, Oct 2008
44. ASSICON 2009, Chennai, Jan 2009
45. WEMNISS-2009, Kotakinabalu, Malaysia, May 2009
46. Efort-2009, Vienna, Austria, June 2009

47. ICS-2009, Khajuraho, Aug 2009
48. Delhi knee course, New delhi, April 2009
49. Kyphoplasty user group meeting, New delhi, Oct 2009
50. IOACON 2009, Bhubneshwar, Nov 2009
51. ASSICON 2010, Nagpur, Jan 2010
52. DOACON 2010, New Delhi, Jan 2010
53. South Delhi Ankle and foot symposium, New Delhi, Apr, 2010
54. ISBMR 6th conference. New Delhi, Aug 2010
55. Current concepts in arthroplasty. New Delhi, Aug 2010
56. ICS, 2010, Mysore, September 2010
57. Spine cadaveric course, New Delhi, Sep 2010
58. AO basic course, New Delhi, Oct 2010
59. International shoulder surgery congress, Fortis Escorts Hospital, Nov 13-14, 2010
60. IOACON 2010, Jaipur, Dec 2010
61. DOACON 2010, New Delhi, Jan 2010
62. AO hand course, New Delhi, Feb 2011
63. Delhi spine society meeting, May 2011
64. Management of Acute wound in ED (MAWE), New Delhi May 2011
65. ATLS provider course, New Delhi, Jul 2011
66. MIDCON, New Delhi, Jul 2011
67. AOA-NZOA meeting, Rotorua, NZ, Oct 2011
68. AAOS meeting 2011, Sandiego, USA, Feb 2011
69. IFSM annual meeting, Chandigarh, Oct 2011
70. IOACON 2011, Noida, Dec 2011
71. ASSICON, New Delhi, Feb 2012
72. Synthes spine workshop, Feb 2012
73. WESS congress, Chandigarh, Feb 2012
74. Jamnagar orthopedic meeting, Sep 2012
75. ICS 2012, Srinagar, Aug 2012
76. CCA 2012, New Delhi, Aug 2012
77. DOACON, 2012, Nov, 2012
78. ASSICON, Kochi, Jan 2013
79. IFSSH-IFSHT triennial combined meeting, Greater Noida, March 2013
80. Advanced Knee workshop on medial Pivot Knee, AIIMS, New Delhi, Apr 2013
81. Primary complex arthroplasty workshop on FREEDOM knee at AIIMS, 21st July, 2013
82. ICS 2013 , Kodaikanal, 16-18th Aug 2013
83. AO hand course, 5-7th sep 2013, New Delhi
84. WENMISS 2013, 8-10th Nov, 2013, New Delhi
85. IOACON 2013, 3rd -8th Dec 2013, Agra
86. Operative wrist course, Oct 2013, Nagpur
87. ASSICON 2014 and SRS world wide conference, 23-26th January 2014, Kolkata,
88. Elbowcon, AIIMS, New Delhi, 29-30th March 2014
89. DOA PG teaching course, AIIMS, New Delhi, 22nd Feb 2014
90. Pan pacific orthopedic congress, ICJR, Hawaii, USA, 16-19th July 2014
91. Meet the masters: Spinal deformity Live course, Chennai, 22-23rd August 2014
92. National Hand surgery course 2014, CMC Vellore, 4-6th September 2014
93. ICSISCON 2014, 26-28th September, Bengaluru, 2014
94. Nagpur shoulder course, Nagpur, Jan 2015
95. ASSICON 2015, Pune, 22-25th Jan 2015
96. Upper extremity trauma conclave, 8th March, Jaipur, 2015
97. Upper extremity trauma conclave, 26th April, New Delhi, 2015
98. Upper extremity trauma conclave, 3rd May, Hyderabad, 2015
99. Upper extremity trauma conclave, 17th May, Ahmedabad, 2015
100. CME on osteoporosis, 13th May, New Delhi, 2015
101. SRS-Ganga operative spine course, 7-10th May 2015, Coimbatore

102. AIIMS arthroplasty week, 17-24th August 2015, New Delhi
103. Pune Instructional Hand course, 11-13th Sep 2015, Pune
104. PGI ortho alumni Meet, 19-20th Sep 2015, Chandigarh
105. ISSHCON 2015, Indore, 24-27th Sep 2015
106. ICSISCON 2015, Pune, 11-13th Oct 2015
107. AASW, New Delhi, 23-24th Oct 2015
108. MISSICON, Mumbai, 23-25th Oct 2015
109. ASSICON 2015, Goa, 27-29th Nov 2015
110. Annual AIIMS Spine update 2015, 23-25th Oct 2015, New Delhi
111. DOA fracture fixation course, LHMC delhi, 6th Dec 2015
112. IOA CME, Jaipur, 11th Dec 2015
113. WIROC 2015, Mumbai, 23-27th Dec 2015
114. ROSACON 2016, Neemrana, RJ, 5th Feb 2016
115. WCNS 2016, IHC, New Delhi, 6th Feb 2016
116. DOA Advanced Trauma course, New Delhi, Park Hotel, 13th March 2016
117. IICM, Ranchi, February 2016
118. Lower extremity trauma conclave, Hotel Metropolitan, Delhi, 1st May 2016
119. APOA, Melbourne convention centre, 27 April -1st May 2016, Melbourne, Australia
120. Spine week, Marina Sand Bays, Singapore, 16-20th May 2016
121. Egypt deformity congress, Cairo, 25-27th May 2016
122. DOACON 2016, 25-27th Nov 2016, New Delhi
123. DOACON basic fracture fixation course, 4th Dec 2016
124. IOACON 2016, Kochi, 12-17th Dec 2016
125. MISSICON 2016, Hotel J W Marriott, Gurgaon, 14-16th Oct 2016
126. Spine Masters surgical techniques course, St Louis, 10-11th May 2018
127. 53rd SRS annual meeting, 10-13th October 2018, Bologna, Italy
128. 2nd Asia Pacific Expert meeting on prevention of fragility fractures
129. AO Davos course 2020 on Adult spinal deformities, 3-5th December 2020
130. Spine 20 Inaugural meeting 2020, Riyadh, online 10-11th Nov 2020

Organizational Abilities

1. Current concepts in Arthroplasty, New Delhi, August 2008
2. SRS worldwide regional meeting on “Spinal Deformity: Current Concepts”, New Delhi, October 2008
3. Hand Surgery Update 2003, April 2003, A.I.I.M.S., New Delhi.
4. Current concepts in Arthroplasty, New Delhi, August 2009
5. Current concepts in Arthroplasty, New Delhi, August 2010
6. AO basic course, New Delhi, Oct 2010
7. AO hand course, New Delhi, Feb 2011
8. MIDCON, New Delhi, Jul 2011
9. IFSM, Chandigarh, Oct 2011
10. Synthes spine workshop, Feb 2012
11. ASSICON, New Delhi, 2012
12. DOA PG teaching course, Jan 2013 AIIMS
13. Primary complex arthroplasty workshop on FREEDOM knee at AIIMS, 21st July, 2013
14. CCA 2013, 17th-18th August 2013, AIIMS, New Delhi
15. Organized a guest lecture on “Minimally invasive spine tumor surgery” by Dr. Alok Saran
16. Organized a guest lecture by Dr. Ashish Shah, USA, October 2013
17. WENMISS 2013, 8-10th Nov, 2013, New Delhi
18. Elbowcon, AIIMS, New Delhi, 29-30th March 2014
19. DOA PG teaching course, AIIMS, New Delhi, 22nd Feb 2014
20. AO trauma Hand and wrist course with cadaveric workshop, 5-7th September, 2013, New Delhi, India
21. CCA 2014, 16-17th August 2014, AIIMS, New Delhi
22. DOA PG teaching course, February, 2015

23. AIIMS-ISSH wrist cadaveric course, 25-26th July 2015
24. Cervical disc arthroplasty cadaveric workshop, 17th August 2015
25. Upper limb arthroplasty cadaveric workshop, 19th August 2015
26. AIIMS OLIF workshop, 18th June 2018
27. GOSICON 6th annual meeting-FFN (I) and CCA combined meeting 2018, AIIMS, New Delhi. 6-9th Sep 2018: Co-organizing Secretary
28. DOACON 2018, organizing secretary, 22-24th Nov 2018

GUEST lectures by visiting faculty organised

1. Dr Vijay Goel, USA Toledo university
2. Prof. S. M. Tuli, VIMHANS, 20th April 2017
3. Dr. Amit Jhala, Chirayu hospital, Ahmadabad, 18th June 2018
4. Dr. Debkant Jena, USA, 30th July 2018
5. Prof. Rohit Amritanand, CMC vellore, 12th July 2019
6. Prof. Raymond P Onders, Cleveland medical centre, Ohio, USA, 25th July 2019
7. Dr. Rajiv Sethi, 24th Nov 2022, Virginia Mason Medical Centre, Seattle, USA

Fellowship/short term training convener

1. Saurabh Dahire: 15th June-15th July 2015
2. Subham Maru: 15th June-15th July 2015

Community Service

1. Two day camp at Ratlam, MP from 2-3rd Feb, 2013, 250 patients
2. Lifeline Express train Camp at Shivpuri, MP from 22-25 March 2013, operated 18 cases
3. Delivered radio talk on Back pain in Chandigarh
4. Delivered Telemedicine talk on Back care at AIIMS for African and SAARC countries, October 2013
5. Delivered Telemedicine talk on orthopedic problems in elderly at AIIMS for African and SAARC countries, January 2014
6. Part of panel discussion on hemophilia on Lok sabha TV
7. Delivered Telemedicine talk on Cervical spine trauma at AIIMS for African and SAARC countries, November 2014
8. Consultation to Cameroon patients via telemedicine, twice
9. One day camp in Ranchi, organized by IICM on 23rd Feb 2015
10. Two days camp in Sitamarhi and Muzzafarpur organized by Maulana Mazroof educational society on 11-12th March 2015
11. Telemedicine talk on distal radius fractures for African and SAARC countries, 25th March 2015
12. Telemedicine talk on carpal injuries for African and SAARC countries, 28th July 2015
13. One day camp and awareness lecture on back pain for police personnel at KTD police academy at Agartala, Tripura, 31st October 2015
14. Telemedicine talk on spinal osteotomies African and SAARC countries, 31st December 2015
15. Health Camp at Muraina, MP, 2 days, 8-9th Feb 2017
16. Health talk on common joint problems on Doordarshan, 23rd April, 2019, New Delhi
17. Public lecture on spinal deformities in children at AIIMS, 23rd October 2018
18. Two days medical camp in Dharamshala for Tibbet community under His holiness Dalai Lama

MEMBERSHIP OF LEARNED SOCIETIES

- | | | |
|---|----------------------|------|
| 1. Indian Orthopaedic Association | Permanent Membership | 2006 |
| 2. Delhi Medical Council | Registered | 2001 |
| 3. Delhi orthopaedic association | Life membership | 2010 |
| 4. Indian federation of Sports Medicine | Life membership | 2004 |
| 5. Association of spine surgeons of India | Life membership | 2006 |
| 6. Orthopaedic research society | Life membership | 2005 |
| 7. Indian Arthroscopic Society | Life membership | 2007 |

8.	Stanford India Biodesign Alumini	Member	2007
9.	AO Spine	Silver Member	2008
10.	ISBMR	Life membership	2009
11.	Asian association dynamic osteosynthesis	Life member	2009
12.	Asian pacific orthopaedic association	Member	2010
13.	North American Spine society	Member	2011
14.	Royal college of surgeons, Glasgow	Life member	2009
15.	Punjab orthopaedic association	Life member	2011
16.	Indian Foot and ankle society	Life member	2011
17.	AO trauma	Bronze Member	2011
18.	American College of Surgeons	Associate fellow	2013
19.	National Academy of Medical Sciences	Member	2011
20.	International Medical Sciences Academy	Fellow	2013
21.	Hard Tissue Society	Fellow	2012
22.	Indo-American Spine Alliance	Member	2014
23.	Indian biologics orthopedic society	founder member	2014
24.	Asian Council of Science Editors	Member	2014
25.	Indian Medical Academy	Member	2014
26.	International College of surgeons	Fellow	2015
27.	Minimally Invasive Spine surgeons of India	Member	2015
28.	Scoliosis Research Society	Active fellow	2016
29.	Fragility Fracture Network (India)	Founder Member	2017
30.	North Zone Orthopedic Association	Life Member	2019
31.	European Spine Society	Member	2020
32.	International Society for the Study of Lumbar Spine (ISSLS)	member	2021

Official posts in professional/ bodies

1. Member: International Education Committee, NASS
2. Member: CME committee, SRS
3. Member of Government Liaison Committee of Indian orthopaedic association (2011-2013)
4. Treasurer of Punjab orthopaedic association (2011-2012)
5. Member of Scientific committee of Association of spine surgeons of India (ASSI) (August 2013- till date)
6. Member, Executive committee, Indian society for surgery of Hand
7. Member, Executive Committee, Delhi Orthopedic Association, 2016
8. Member, Scientific and consensus committee, SICOT India
9. Member, Executive Committee, Delhi Orthopedic Association, 2018-19
10. Member, Executive Committee, Association of spine surgeons of India (ASSI), 2019-20, 2020-21
11. Member, Executive Committee, North Zone Indian Orthopedic Association
12. Member, Research Committee, Association of spine surgeons of India (ASSI)
13. Young Fellows Association (YFA) Liaison Representative to the American College of Surgeons Advisory Council for Orthopaedic Surgery.
14. Member, SRS patient education committee
15. Chair, ASSI Covid Task Force 2020-22
16. AOSIN delegate, 2021-2023
17. Member, SICOT spine subcommittee
18. Co-chair, Research & Award Committee of ASSI
19. Member of the ASSI Elearnspine.org Task Force
20. Member of the ASSI Task Force on Scoliosis Screening Program
21. Member, Capacity Development Program Task Force of ASSI
22. Member, Indian Spine Journal (ISJ) Task Force of ASSI
23. Member, ASSI Publication Committee
24. Member, NASS spine deformity committee

25. Member, SICOT education committee
26. Member, Therapeutic Use Exemption (TUE) committee, National Anti-Doping Agency
27. Member, SICOT Computers & Enabling Technologies Subspecialty Committee
28. Member, NASS Section on Robotics, Emerging Technologies & MIS
29. Member, executive committee, Indian Society for Bone and Mineral Research

Member Task Forces

1. Member, Task Force on Stem Cell Research and Regenerative Medicine, DBT
2. Member, Task force on elearnspine.org, Association of spine surgeons of India (ASSI)
3. Member, Task force on scoliosis screening, Association of spine surgeons of India (ASSI)
4. Member, Task force on capacity building, Association of spine surgeons of India (ASSI)
5. Member, Task force on EPTB guidelines, AIIMS

Administrative experience

Medical Boards

1. Member of Medical board for Dr. Vijender Singh, constituted by Director, AIIMS under chairmanship of Prof. Anurag Srivastav, 2013
2. Member of Medical board for medical examination of Sh. Sunil Kumar constituted by M. S., AIIMS under chairmanship of Prof. Randeep Gularia, 2013
3. Member of Medical board for medical examination of Sh. Mahender lal, Driver, AIIMS, constituted by M. S., AIIMS under chairmanship of Prof. S. L. Yadav, 2012
4. Member of Medical board for medical examination of Sh. Rajiv kumar vij constituted by M. S., AIIMS under chairmanship of Prof. Randeep Gularia, 2013 on instructions of NHRC, 2014

Verification of Stores

1. Computer Store (DO) for 2012-13

Member of Important committees

- Purchase committee for Disinfectants, chemicals, I. P. drugs/ 2012-13
- Member of several purchase committees for department of orthopedics
- Member of several Technical specifications meetings for department of orthopedics & AIIMS
- Member of several Negotiation meetings for department of orthopedics
- Member of several Price-Bid opening meetings for department of orthopedics and AIIMS
- Member of several Financial-Bid opening meetings for department of orthopedics
- Member of several Pre-Bid opening meetings for department of orthopedics & AIIMS
- Attended various store purchase committee meetings (director AIIMS) for department of Orthopedics
- Attended various Hospital store purchase committee meetings
- Member of Hip fracture Discussion group in collaboration with George institute, Sydney
- Member, AIIMS core committee for drug resistant tuberculosis
- Member, Therapeutic exemption committee, National Anti-Doping agency
- Member, Purchase committee, National Centre for Aging
- Member, DR-TB committee to discuss, review & implement of PMDT-2021 under NTEP for DRTB centre at AIIMS

Extracurricular Activities

1. Organized Institute day exhibition on behalf of department of orthopedics 2012-2013
2. Organized Institute day exhibition on behalf of department of orthopedics 2013-2014