

Curriculum Vitae

1. PERSONAL PARTICULARS

Name: **Dr. Sanjay Yadav**
DOB: 01-September-1983
Phone number: **+91-9560754591**
E-Mail address: drsanjay.pgi@gmail.com
IOA membership no. LM09114
UPOA MEMBERSHIP NO. 1553
UPMC Reg NO 69392

2. EDUCATIONAL QUALIFICATIONS (Degree and Year)

- MBBS- Apr, 2006. The TN Dr. MGR Medical University, Chennai, Tamilnadu, India.
First Division
- **MS (ORTHOPAEDICS)** - Jan, 2010. **Post Graduate Institute of Medical Education And Research (PGIMER), Chandigarh, India**
- **DNB (ORTHOPAEDICS)**, National Board of Examinations, New Delhi- 2014

3. EXPERIENCE

Past appointment –

- **Senior Resident, All India Institute of Medical Sciences (AIIMS), New Delhi, India**
(May 2011 – May 2014)
- Registrar, Base hospital, Indian Army, Delhi Cantt, New Delhi (Oct 2010- Apr 2011)
- Lecturer, Orthopedics, Govt. Medical College, Kannauj, Affiliated to KGMU, Lucknow
(May 2014- Nov 2015)
- Assistant Professor, Department of Orthopedics, Institute of Medical Sciences,
 - Banaras Hindu University, India (19 Dec 2015- 28 Feb 2018)

Current appointment-

- **Associate Professor, Department of Orthopedics, Institute of Medical Sciences, Banaras Hindu University, India** (01-March-2018 to Present)

4. PAPER / POSTER / PRESENTED

- **International conference abroad-**

1. SICOT- 2012, Dubai, UAE. Nov.2012- “Microorganisms and their sensitivity patterns in septic arthritis of North Indian children: a prospective study”.
2. APOA-2013, Malaysia. Aug.2013- “Tuberculosis and Chronic Myeloid Leukemia: Resolving the Diagnostic Dilemma.”
3. EFORT- 2014, London, UK- Loco-Regional Injuries Around Pelvic Acetabulum: Do They Affect Management?
4. EFORT- 2014, London, UK- Safety Study Of Aspirin Plus Mechanical Devices Vis-A-Vis Chemo-Thromboprophylaxis In Total Hip And Knee Replacement
5. SICOT-2014, Rio De Janero, Brasilia- Central Core Disease: Association with Neuromuscular Scoliosis and Malignant Hyperthermia & Management Strategy
6. SICOT 2016, Rome, Italy. Poster presentation
7. SICOT 2017, Cape town. Paper presentation
8. SICOT 2018, Montreal, Canada. Poster presentation
9. SICOT 2019, Muscat, Oman- December 2019
10. SICOT 2022, Kuala Lumpur, Malaysia- Paper and poster presentations

- **International conference in India –**

- 2017 IMSOS Poster Presentation on Osteochondroma of posterior Femoral neck : A rare cause of sciatic nerve compression
- APOA-2012, New Delhi, India.-“Assessment of role of fibular fixation in distal third tibia and fibula fractures and its significance in decreasing malrotation and malalignment.” (paper)
- SICOT-2013, Hyderabad, India
 - Defining the "Acetabular Fracture Complex" and its Management. (poster)
 - Significance of fibula in maintaining angular and rotational alignment in AO type 43A fractures. (poster)
 - Subtrochanteric fractures- still the challenges remain!! (poster)
- WENMISS-2013, New Delhi, India

- Thoracolumbar fractures- Role of minimally invasive surgery and anterior column support. (paper)

ICS- ISCON 2018- POSTER PRESENTATION- Challenges in complex primary TKR

- National conference-
 - IOACON-2013, Agra, India
 - An Irreducible Variant of Inter-trochanteric Fracture: Technique for Open Reduction. (paper)
 - Is Every Knee Osteoarthritic? Spontaneous Osteonecrosis of Medial Tibial Condyle- A case study. (poster)
 - Indian Arthroplasty Association Decade Conclave (IAAMEET) - Jaipur, 2013.
 - Prospective randomized study comparing chemical thromboprophylaxis with aspirin and pneumatic compression devices in total knee and hip arthroplasty. (paper)
 - Prospective randomized study comparing intra-articular tranexamic acid and placebo in total knee arthroplasty. (poster)
 - ICS-2014, Udaipur, India
 - An uncommon osteoblastoma in a young child- A case study. (poster)
 - IOACON Indore 2017, poster presentations
 - IOACON Kolkata November 2019, pre conference workshop.
 - IOACON 2021, Goa, India
 - Podium presentation - Study of hybrid spine fixation in dorsolumbar trauma – A single center experience
 - E Poster -Telemedicine as adjunct for orthopaedic outpatient and triage facility during lockdown at a tertiary health care center.
 - E Poster – Study of association with intervertebral disc herniation at lower lumbar spine with facet tropism.
 - E Poster – Analysis of twin screw derotation type versus single helical blade type cephalomedullary nail in geriatric hip fractures.
 - E Poster – Bone bruise patterns in ligamentous injuries of the knee with focus on anterior cruciate ligament.
 - E Poster – Relationship of lordosis of lumbar spine to thecal sac and conus medullaris termination level; a radiological evaluation.

- Sub specialty / state chapter conference-
 - APASI (Association of pelvi-acetabular surgeons of India)-2009, Chandigarh, India-
“Complex acetabular injury- fracture head of femur with fracture posterior wall of acetabulum”. (case presentation)
 - Delhi Spine Society meet (Dec. 2013, New Delhi, India) - “Central Core Disease: Role in Neuromuscular Scoliosis and Malignant Hyperthermia”. (Oral Presentation)
 - UPORTHOCON 2016. Meerut, UP, India- poster presentation
 - IMSOS 2017, Varanasi, India- poster presentation.
 - UPORTHOCON 2017, Gorakhpur Paper presentation ,Acetabulum Fracture
 - UPORTHOCON 2019 Paper in medical category.
 - NEROSA 2018 Poster presentation
 - NEOSCON 2019-20, Kohima, Nagaland- OVCF
 - NEOSCON 2022, Agartala, Faculty

5) FACULTY

1. Operative spine workshop organized by Dept. of Orthopedics, Govt. Medical College, Dibrugarh, Assam
2. NEROSA 2015- Tawang, Arunachal Pradesh- Invited faculty- Delivered a guest talk on Dorso-lumbar spinal trauma and chaired session for competitive papers
3. IBOSCON, Chandigarh, 2018- Spine Orthobiologics
4. NEROSA, Mid-term meeting, Itanagar, INDIA- Talk on interesting hip cases- THR in TB hip
5. Spine workshop, North East Spine Society, Govt. Medical College, Dibrugarh- Workshop faculty for lumbar spine- exposure and pedicle screw instrumentation techniques, 2014
6. Spine conclave 2018- Lucknow, India- Talk on augmented spine fixation in osteoporosis
7. NEROSA Annual meeting- Gangtok, Sikkim- Talk on partial ACL tear and its management
8. Oriana arthroplasty course, Varanasi, 2018- Talk on stress fractures in total knee replacement
9. NEROSA2018 Cadaveric Spine Workshop.
10. Annual Arthroplasty conference, Oriana hospital, Varanasi, 2019- Talk on hybrid total hip replacement- rationale
11. UPOA special course, Bareilly, UP- Talk on Post-operative discitis and spinal infections

12. UP- ORTHOCON 2020 (Annual meeting of UP orthopedic surgeons), Lucknow- Delivered a talk on “Partial ACL tears- Current perspectives
13. North zone orthopedic association meeting 2020, AIIMS, Rishikesh- Delivered a talk on “TKR in the setting of stress fractures”
14. GOFCON March 2021, as Chairperson in a Spine Session.
15. 10TH AO Trauma India National Conference, Oct 2021, Faculty
16. IOACON 2021, 66th Annual Conference of Indian Orthopedics Association, December 2021. Delivered a talk on “Dural Tears”, Faculty
17. 34th NEOSCON-2021 Kaziranga, Assam Annual Conference, Faculty
18. IMS BHU, March 2021, Department of Orthopaedics, Spine master class on deformity correction- Organising faculty
19. IMS BHU June 2021, Department of Orthopaedics, Arthroplasty Master Class on Uncemented Total Hip Replacement- Organising Faculty
20. IMS BHU March 2021, Department of Orthopaedics, Arthroscopy Master Class on Basics on Arthroscopy and ACL reconstruction- Organising Faculty.
21. VOA 2021, Radius Trauma Workshop symposium , Faculty Table Instructor.
22. NAVESCON – 2019 Bareilly Talk on Discitis and post- operative spinal infection.
23. 33rd NEOSCON, 2019-2020 Nagaland, Trauma in Orthopaedics. FACULTY
24. UPOA ,2019 BHU Varanasi , Post graduate instructional course. FACULTY
25. Vatsalya hospital 2019, CME on Arthroplasty and arthroscopy. FaAULTY
26. NEROSA 2019 Gangtok ,Sikkim. FACULTY
27. 2016 Varanasi Orthopaedic Club , symposium and workshop on osteosynthesis of fracture in lower limbs. FACULTY
28. 2017 , Indo Israel Trauma Course and Mass Casualty Situation Workshop. FACULTY
29. DOACON 2018, AIIMS Wisdom Over Knowledge. FACULTY
30. “ Training of district health officers in public health emergencies” as a resource person/ faculty under NIHFW, MoHFW, New Delhi (24feb to 7 march 2020). FACULTY
31. AIIMS Bhubaneshwar- Symposium of complex primary THR and revision hip replacement. FACULTY
32. Instructional Course in Spine, Bhubaneshwar, India. FACULTY.
33. PLATESCON, Prayagraj, India. FACULTY

34. IOACON, Amritsar, India. FACULTY
35. NEOSCON 2022, Agartala, Tripura. FACULTY.
36. NEOSCON 2023, Imphal, India. FACULTY.
37. UPORTHOCON 2023, Gorakhpur, India. FACULTY. Talk on osteoporotic spine fractures.
38. GOFCON, Patna, India. FACULTY. Chairperson for Lower limb trauma session.
39. AIIMS spine deformity course 2023- FACULTY.
40. AO basic principles trauma course, Varanasi, India. FACULTY and TABLE INSTRUCTOR
41. APOA-YSF, AIIMS New Delhi 2023- FACULTY
42. 4th Global Regenerative Medicine Summit (GRMS), AIIMS, New Delhi. FACULTY
43. 14th Cawnpore arthroplasty course 2023- Case Presenter, Lucknow, India
44. 9th UPOA special course, Chairperson- Meerut, UP
45. ASSI live operative spine course- 2023, Pune
46. Stavva spine live operative course, Ahmedabad, India
47. CEZCON 2023, Jaipur, FACULTY
48. APSS Basic spine course and cadaveric workshop, 2023, KGMU, Lucknow. FACULTY.

6) **ORGANISATIONAL/MEMBERSHIPS:**

- Member of the organizing committee Trauma CME- Live arthroscopy and cadaveric workshops. Delhi Orthopedic Association, New Delhi. Nov 2010
- Nov 2013 Member of organizing Committee DMC India.
- Member of organizing team, ELBOWCON 2014, New Delhi, India
- Life Member of IOA (Indian Orthopedic Association)- LM 9114
- Life Member of ASSI (Association of Spine Surgeons of India)
- Life member- Delhi Spine Society
- Life member- Delhi Orthopedic Association
- Life member, Indian Arthroplasty Association
- Life Member of Central Zone- IOA, India
- Member- AO Spine
- Member- AO Trauma
- Member- Asia Pacific Orthopedic Association- Spine Society
- Associate Member- SICOT

- Life member- UP Orthopaedic Association

7) PUBLICATIONS

1. Prasad M, **Yadav S**, Sud A, Arora NC, Kumar N, Singh S. Assessment of role of fibular fixation in distal third tibia and fibula fractures and its significance in decreasing malrotation and malalignment. *Injury*. 2013; 44: 1885-91.
<http://dx.doi.org/10.1016/j.bbr.2011.03.031>
2. **Yadav S**, Dhillon MS, Aggrawal S, Tripathy SK. Microorganisms and their sensitivity pattern in septic arthritis of North Indian children: A prospective study from tertiary care level hospital. *ISRN Orthopedics*. 2013. Article ID 583013, 4 pages.
<http://dx.doi.org/10.1155/2013/583013>
3. **Yadav S**, Sinha S, Luther E, Arora NC, Prasad M, Varma R. Comparison of extramedullary and intramedullary devices for treatment of subtrochanteric femoral fractures at tertiary level center. *Chin J Traumatol* 2014;17:141-5 (PUBMED)
4. **Yadav S**, Arora NC, Prasad M, Varma R. Spontaneous Urinary Voiding of Metallic Screws in a Patient with Symphyseal Plating Following Type II Pelvic Ring Disruption– A Case Report. *Chin J Traumatol*. 2013. 1; 16(4): 230-2. DOI: 10.3760/cma.j.issn.1008-1275.2013.01.001 (PUBMED)
5. Trikha V, **Yadav S**. Has the role of exchange nailing in femoral nonunion diminished? *International Orthopaedics (SICOT)*. DOI 10.1007/s00264-011-1348-x (PUBMED)
6. Sharma G, Kumar GNK, Farooque K, Sharma V, Ratan R, **Yadav S** and Lakhota D. Locking compression plate in distal femoral intra-articular fractures – our experience. *ISRN Orthopedics*. 2014
7. Sharma G Kumar K, **Yadav S**, Lakhota D, Singh R, Gamanagatti S, Sharma V. Pertrochanteric fractures (AO/OTA 31-A1 and A2) not amenable to closed reduction:

causes of irreducibility. Injury. 2014.

<http://dx.doi.org/10.1016/j.injury.2014.10.007>(PUBMED)

8. Kumar N, Yadav CS, Singh S, Kumar A, Vaithlingam A, **Yadav S**. Evaluation of pain in bilateral total knee replacement with and without tourniquet- A prospective randomized control trial. J Clin Orthop Trauma. 2015 Jun; 6(2): 85–88. DOI: <httpdx.doi.org/10.1016/j.jcot.2015.01.095>(PUBMED)
9. **Yadav S**, Yadav CS, Kumar A, Kumar N. Total Knee Arthroplasty in a case of Tuberculosis Knee in healing stage- Is it Safe? J Postgrad Med Edu Res 2015; 49(3):139-42 (PGI JOURNAL)
10. **Yadav S**, Yadav CS, Kumar A, Kumar N. Coexistent Tuberculosis of Spine and Chronic Myeloid Leukemia: Resolving the Diagnostic Dilemma, and Management- A Case Report. J Postgrad Med Edu Res 2015; 49(2): 85-7(PGI JOURNAL)
11. **Yadav S**, Yadav CS, Kumar A, Kumar N. Every Knee is not Osteoarthritic. Spontaneous Avascular Necrosis of the Medial Tibial Condyle- A case study. J Postgrad Med Edu Res 2016;50(1):33-5(PGI JOURNAL)
12. Kumar N, Anand S, Yadav CS, Kataria H, Kumar P, **Yadav S**. Xanthomatosis and Orthopaedics: Review of literature. International Research Journal of Basic and Clinical Studies. 2014; 2(7): 78-81. DOI: <http://dx.doi.org/10.14303/irjbc.2014.041>.
13. Kumar N, Yadav C, Raj R, **Yadav S**. Fracture of the polyethylene tibial post in a posterior stabilized knee prosthesis: A case report and review of literature. Journal of orthopedics 2015; 12: 160-3
14. **Yadav S**, Goswami A, Vijayraghavan G, Jayaswal A. An Uncommon Giant Osteoblastoma in a Young Child: Our Experience and Literature Review. J Spinal Surg 2015; 2(1):17-9.
15. **Yadav S**, Singh S, Nag R, Bansal H, Khare G N. Acetabular fractures- Outcome analysis. Journal of Bone and Joint Diseases, Jan-Apr 2018; 33(1): 28-30

16. Khare G N, Belbase R J, Singh S, **Yadav S**, Nag R, Kumar A, Amar R. Outcome Analysis of Reverse Oblique Trochanteric Fractures Treated with Proximal Femoral Nail. Journal of Bone and Joint Diseases Jan – Apr 2018;33(1):20-23
17. **Sanjay Yadav**, Ramvilas Nag, Mukund Madhav Ojha, Rupesh Jung, Mohit Kumar. Imaging factors in MRI for predicting respiratory distress in cervical spinal cord injury- a retrospective analysis. International Journal of Scientific Research. 2018;7(11):67-8
18. **Sanjay Yadav**, Pankaj Maurya, Mohit Kumar, Rajkumar Arya. Osteochondroma of the posterior femoral neck: a rare cause of sciatic nerve compression. Global Journal of Research Analysis. 2018; 7(10): 48-9
19. Mukund Madhav Ojha, Ghanshyam Narayan Khare, Saurabh Singh, **Sanjay Yadav**. Comparative outcome analysis of fracture treatment of mid-shaft of clavicle with titanium elastic nailing and plating techniques. **International Journal of Scientific Research**. 2018; 7(12): 62-4
20. Yadav S, Prajapati S, Arya R, Jha A, Singh S. Comparative study of clinical and functional outcomes among early versus late discharge orthopaedic trauma patients at a tertiary level center. Journal of Bone and Joint Diseases. 2020 Jan 1;35(1):8-11. (UPOA official association journal)
21. **Sanjay Yadav**, Saurabh Singh. Analysis of alignment parameters and outcomes of total knee replacement at a tertiary level care centre. Journal of Bone and Joint Diseases. September 10, 2019. Vol 34(Issue 3): 31-34 (UPOA official association journal)
22. Yadav S, Singh S, Rai AK. Analysis of different entry portals for femoral nail with two different nail designs-straight nail versus lateral angulated nail - Does it make a difference? J Clin Orthop Trauma. 2019 Sep-Oct;10(5):912-916. doi: 10.1016/j.jcot.2019.01.004. Epub 2019 Jan 9. PMID: 31528067; PMCID: PMC6739462.
23. Yadav U, Mishra H, Singh V, Kashyap S, Srivastava A, Yadav S, Saxena PS. Enhanced osteogenesis by molybdenum disulfide nanosheet reinforced hydroxyapatite

nanocomposite scaffolds. ACS Biomaterials Science & Engineering. 2019 Jul 17;5(9):4511-21. (Corresponding authors)

24. Yadav S, Singh S, Arya RK, Kumar A, Kumar I, Jha A. Comparative analysis of transforaminal lumbar interbody fusion versus posterolateral instrumented fusion in degenerative lumbar spine disorders. Journal of Orthopaedics, Trauma and Rehabilitation. 2020 Dec;27(2):173-8.
25. Yadav S, Singh S. Analysis of partial bundle anterior cruciate ligament tears- diagnosis and management with ACL augmentation. J Clin Orthop Trauma. 2020 May;11(Suppl 3):S337-S341. doi: 10.1016/j.jcot.2019.08.018. Epub 2019 Aug 29. PMID: 32523290; PMCID: PMC7275279.
26. Rai AK, Yadav S, Verma V, Anand S, Shekhar S. Analysis of vertical and horizontal offsets in displaced femoral neck fracture in elderly treated with indigenous bicentric bipolar hip device. J Clin Orthop Trauma. 2020 Nov 20;13:143-146. doi: 10.1016/j.jcot.2020.11.014. PMID: 33717886; PMCID: PMC7920007.
27. Bansal H, Singh S, Yadav S, Sahoo S. Role of Autologous Fibula Strut Graft in Surgical Management of Tubercular Spondylitis by Anterior Approach: A Prospective Study. Int J Spine Surg. 2019 Oct 31;13(5):429-436. doi: 10.14444/6058. PMID: 31741832; PMCID: PMC6833965.
28. Yadav S, Jha AA, Dhakshanamoorthy R, Prasai A, Verma R, Agrawal NK. Analysis of telemedicine as a healthcare service adjunct during extended lockdown at a tertiary health care center of eastern India. Med. Sci.. 2021:2109-13.
29. Sanjay Yadav , Rajkumar Arya , Raghul Dakshinamoorthy , Abhinav Anand Jha , Shivi Jain, Ishan kumar. Facets tropism/ inclination and its association with intervertebral disc herniation at lower lumbar spine- A radiological evaluation. Accepted publication Oct 2021, Revista Brasileira de Ortopedia 2022;DOI10.1055/s-0042 – 1742338 Accepted October 14 ,2021

30. Yadav S, Singh S, Jha AA. Analysis of a Hybrid Spine Fixation Approach for the Treatment of Unstable Thoracolumbar Fractures. *Cureus*. 2022 Nov 27;14(11):e31953. doi: 10.7759/cureus.31953. PMID: 36600826; PMCID: PMC9798929.
31. Yadav S, Dakshinamoorthy R. Comparison of Twin Screw Derotation Type Versus Single Helical Blade Type Cephalomedullary Nail in Trochanteric Fractures in Geriatric Population. *Cureus*. 2022 Nov 15;14(11):e31557. doi: 10.7759/cureus.31557. PMID: 36540514; PMCID: PMC9755415.
32. Yadav S, Dhakshanamoorthy R, Kumar I, Prakash A, Nagarajan R. Bone Bruise Patterns in Ligamentous Injuries of the Knee With Focus on Anterior Cruciate Ligament. *Cureus*. 2022 Dec 1;14(12):e32113. doi: 10.7759/cureus.32113. PMID: 36601188; PMCID: PMC9805383.
33. Singh C, Yadav S, Loha S, Prakash S, Paswan AK. Comparison of intra-articular lumbar facet joint injection of platelet-rich plasma and steroid in the treatment of chronic low back pain: A prospective study. *Journal of Orthopaedics, Trauma and Rehabilitation*. 2023 Dec;30(2):180-7.
34. Gupta A, Bhatnagar R, Chaubey M, Yadav S, Singh T, Choudhary A. Evaluation of bone mineral density in patients of spondyloarthritis in a tertiary care center. *Natl J Physiol Pharm Pharmacol*. (2024), [cited March 14, 2024]; 14(1): 170-174. doi:10.5455/njppp.2023.13.03152202322062023
35. Attri A, Sharma S, Yadav S, Bhartiya SK. The Study of Predictors of Outcome in Abdominopelvic Trauma. *Am J Surg Case Rep*. 2023;4(6):1077.

Chapters and Books- Chandra Shekhar Yadav, Ashok Kumar, **Sanjay Yadav**. *Tips and Tricks in Hip & Knee Arthroplasty: A Practical Approach*. Jaypee Brothers Medical Publishers. First Edition 2014. New Delhi. India

Case reports

1. **Yadav S**, Arora NC, Prasad M, Varma R. Spontaneous Urinary Voiding of Metallic Screws in a Patient with Symphyseal Plating Following Type II Pelvic Ring Disruption– A Case Report. Chin J Traumatol. 2013. 1; 16(4): 230-2. DOI: 10.3760/cma.j.issn.1008-1275.2013.01.001 (PUBMED)
2. **Yadav S**, Yadav CS, Kumar A, Kumar N. Total Knee Arthroplasty in a case of Tuberculosis Knee in healing stage- Is it Safe? J Postgrad Med Edu Res 2015; 49(3):139-42 (PGI JOURNAL)
3. **Yadav S**, Yadav CS, Kumar A, Kumar N. Coexistent Tuberculosis of Spine and Chronic Myeloid Leukemia: Resolving the Diagnostic Dilemma, and Management- A Case Report. J Postgrad Med Edu Res 2015; 49(2): 85-7(PGI JOURNAL)
4. **Yadav S**, Yadav CS, Kumar A, Kumar N. Every Knee is not Osteoarthritic. Spontaneous Avascular Necrosis of the Medial Tibial Condyle- A case study. J Postgrad Med Edu Res 2016;50(1):33-5(PGI JOURNAL)
5. Kumar N, Anand S, Yadav CS, Kataria H, Kumar P, **Yadav S**. Xanthomatosis and Orthopaedics: Review of literature. International Research Journal of Basic and Clinical Studies. 2014; 2(7): 78-81. DOI: <http://dx.doi.org/10.14303/irjbc.2014.041>.
6. Kumar N, Yadav C, Raj R, **Yadav S**. Fracture of the polyethylene tibial post in a posterior stabilized knee prosthesis: A case report and review of literature. Journal of orthopedics 2015; 12: 160-3
7. **Yadav S**, Goswami A, Vijayraghavan G, Jayaswal A. An Uncommon Giant Osteoblastoma in a Young Child: Our Experience and Literature Review. J Spinal Surg 2015; 2(1):17-9.

8. **Sanjay Yadav**, Pankaj Maurya, Mohit Kumar, Rajkumar Arya. Osteochondroma of the posterior femoral neck: a rare cause of sciatic nerve compression. Global Journal of Research Analysis. 2018; 7(10): 48-9

BEST publications

1. Prasad M, **Yadav S**, Sud A, Arora NC, Kumar N, Singh S. Assessment of role of fibular fixation in distal third tibia and fibula fractures and its significance in decreasing malrotation and malalignment. Injury. 2013; 44: 1885-91.
<http://dx.doi.org/10.1016/j.bbr.2011.03.031>
2. Sharma G, Kumar K, **Yadav S**, Lakhotia D, Singh R, Gamanagatti S, Sharma V. Pertrochanteric fractures (AO/OTA 31-A1 and A2) not amenable to closed reduction: causes of irreducibility. Injury. 2014. <http://dx.doi.org/10.1016/j.injury.2014.10.007>
3. Kumar N, Yadav CS, Singh S, Kumar A, Vaithlingam A, **Yadav S**. Evaluation of pain in bilateral total knee replacement with and without tourniquet- A prospective randomized control trial. J Clin Orthop Trauma. 2015 Jun; 6(2): 85–88. DOI: <http://dx.doi.org/10.1016/j.jcot.2015.01.095>
4. **Sanjay Yadav**, Saurabh Singh, Anil Kumar Rai. Analysis of different entry portals for femoral nail with two different nail designs-straight nail versus lateral angulated nail - Does it make a difference? Journal of Clinical Orthopaedics & Trauma. Published online: Jan 17, 2019 In press Corrected proof. <https://doi.org/10.1016/j.jcot.2019.01.004>
5. Umakant Yadav, Himanshu Mishra, Vimal Singh, Sunayana Kashyap, Anchal Srivastava, **Sanjay Yadav**, Preeti S. Saxena. Enhanced Osteogenesis by Molybdenum Disulfide Nanosheet Reinforced Hydroxyapatite Nanocomposite Scaffolds. ACS Biomater. Sci. Eng. 2019. **Published: July 17, 2019.** <https://doi.org/10.1021/acsbiomaterials.9b00227>
(Corresponding author)
6. **Sanjay Yadav**, Saurabh Singh, Raj Kumar Arya, Alok Kumar, Ishan Kumar, Abhinav Jha. Comparative Analysis of Transforaminal Lumbar Interbody Fusion versus Posterolateral Instrumented Fusion in Degenerative Lumbar Spine Disorders. J Ortho

Trauma Rehab. **First Published August 5,2020.**

<https://doi.org/10.1177/2210491720941212>(PUBMED, SCOPUS)

7. **Sanjay Yadav**, Saurabh Singh Analysis of partial bundle anterior cruciate ligament tears- diagnosis and management with ACL augmentation. Journal of Clinical Orthopaedics &Trauma. DOI: <https://doi.org/10.1016/j.jcot.2019.08.018>. Publication stage: In Press Corrected Proof. Published online: August 31, 2019 (**Pubmed**)
8. **Sanjay Yadav**, Sushil Prajapati, Rajkumar Arya, Abhinav Jha, Saurabh Singh. Comparative study of clinical and functional outcomes among early versus late discharge orthopaedic trauma patients at a tertiary level center. Journal of Bone and Joint Diseases. January 10, 2020. Vol 35(Issue 1): 8-11 (**UPOA official association journal**)
9. **Sanjay Yadav**, Saurabh Singh. Analysis of alignment parameters and outcomes of total knee replacement at a tertiary level care centre. Journal of Bone and Joint Diseases. September 10, 2019. Vol 34(Issue 3): 31-34 (**UPOA official association journal**)

Courses completed

1. AO Trauma course- Principals in operative fracture management- Nov 2011, Chandigarh
2. Symposium on knee and ankle with hands on workshop- Synthes. New Delhi. Sep 2011
3. Concepts of locking compression plating- Synthes. New Delhi. Sep 2011
4. Pediatric hip deformity- management principles-symposium and workshop-Synthes. New Delhi. Jan 2013
5. AO Spine Advances Operative Course, Sep 2013, Ganga Hospital, India.
6. AO Symposium on distal radius and wrist injuries, 2013, New Delhi, India
7. AO Symposium on paediatric trauma, 2013, New Delhi, India
8. AO Spine Principles Course, 2013, New Delhi, India
9. AO Spine Operative course in degenerative spine, Ahmedabad, India, 2014

Medals and Rewards

- **Gold medal award** for Best poster presentation at ICS (instructional course series)-**ASSI** (Association of Spine Surgeons of India)-**AO Spine Meet-** 2013, Kodaikanal, India.
- **APOA- APSS Travelling Spine Fellow- 2013.**

- Queen Mary Hospital, Hong Kong (Prof. Keith Luk)
- Chang Gung Medical Center, Taipei (Prof. Chen Wen Jer)
- Lilawati Hospital & Research Center, Mumbai (Prof. Shekhar Y. Bhojraj)
- **AO Course in Degenerative Spine- Quiz competition- First prize- August 2014**
- **International Travel Award** by Department of Science and Technology, June 2014 for presenting paper at EFORT (European Trauma Meet), London, UK
- **National Arthroplasty Fellowship 2013-14** awarded by the Indian Arthroplasty Association
- **Spine Fellowship- Minimally Invasive Spine Surgery, Wakayama University, Japan** (Prof. Munehito Yoshida)- 2014
- **Spine Fellowship, UniversitätsKlinikum, Bonn, Germany- 2015**
- **Delhi Orthopedic Association- Best Publication Award- 2014**
- **Delhi Orthopedic Association- Travelling Fellowship (30-40 yrs age group)- 2014**
- **APSS-Medtronic Clinical Spine Fellowship, Queen Mary Hospital, Hongkong, 2015** (Prof. Kenneth Cheung and Prof. Keith Luk)
- **SICOT Danish Travelling Fellowship 2015- Aarhus University, Denmark (Prof. Cody Bunker)**
- **AO SPINE India Fellowship, Stavva Spine Hospital and Research institute, Ahmedabad.**
- Awarded the UPOA Lucknow Pune exchange fellowship 2019-2020, Sancheti Hospital, Pune
- **S Nath Memorial Award, IMA, Varanasi branch, Aug 2022**
- **Youth Icon Felicitation by Prayagraj Orthopedic Association- Sep 2022**
- **Nation Builder Award by Rotary Club, Varanasi, Sep 2022**

- **Founding member and Joint secretary of UP State Spine Society**

Projects completed:

- DIC-IIT BHU project on development of indigenous anterior spinal cage with edge loading. Final report submitted. Displayed at DIC-IIT meet at IIT Delhi.

Projects approved from Ethical committee:

- Comparison of open versus minimally invasive approach for dorsolumbar spinal trauma and correlation of muscle damage with MRI and surface EMG
- To study the effect of novel anti-adhesive/ anti-fibrosis agent in mitigating epidural adhesions and clinical translation after spinal surgery- An animal study
- Electromyography evaluation of paraspinal muscle after open and minimally invasive spinal intervention in rats. Co-investigator (in collaboration with Dept. of Physiology, IMS, BHU)
- Comparative study of clinical and radiological outcomes of two different proximal fixation methods in intertrochanteric fractures in elderly subjects: helical blade versus tri-finned system
- Early serum procalcitonin levels after hip and knee arthroplasty in comparison with ESR and CRP
- Comparative analysis of anterior cervical fusion with plating and low profile interbody fusion device in cervical spine disorders

Post-graduate thesis supervised/ co-supervised:

1. Analysis of partial bundle ACL tears, their diagnosis and management with selective bundle reconstruction (published, pubmed)
2. Comparative analysis of transforaminal lumbar interbody fusion with posterolateral instrumented fusion in single level lumbar degenerative spine disease (published, pubmed, scopus)
3. Outcome analysis of anterior decompression surgery in tubercular paraplegia (completed work)

4. A comparative study of intraarticular lumbar facet joint, platelet rich plasma versus steroid injection for the treatment of chronic low back pain: A prospective study (completed work)
5. Comparative analysis of a hybrid fixation strategy- two level up and one level down pedicle screw fixation in dorsolumbar spinal trauma with incomplete neurological deficit with standard short segment fixation strategy (completed)
6. Human bone allograft preparation and its in-vivo evaluation (completed)
7. Lumbar canal stenosis- Outcome study with or without dural tears
8. Single stage management of dorso lumbar spinal tuberculosis via posterior approach

Delivered talks on All India Radio/Aakashwani on various topics:

1. Low back pain, ALL INDIA RADIO / DOORDARSHAN- Talks on back pain “*Kyun hota hai peeth me dard*”
2. ALL INDIA RADIO / DOORDARSHAN- Talks on “*Durghatana ke samay haddi vikar aur uska ilaaz.*”
3. Talk on Cervical spondylosis
4. Talk on Machine and industrial trauma
5. Talk on Orthopaedic problems during lockdown and work from home.
6. Akashwanee Varanasi on Bone and Joint Week 2022- Accident and Emergency management

Academic upgradation:

1. Completed “ One Year Post graduate diploma in Health Care Management (PGDCM)”, Faculty of Management Sciences, Banaras Hindu University, Varanasi, India with 1st division and distinction.
2. Completed “Basic course in Biomedical research” ICMR, NPTEL AUG – DEC 2020 (As mandated by the national medical commission)[consolidated score 92 %]
3. Certificate for presenting a clinical case in the monthly clinical meeting of the IMA Banaras Branch at IMA House , on 25 March 2021.

4. Jan 2021 ,7 th Summer school (Multidisciplinary Refresher Course) successfully completed with Grade A
5. Jan 2021, BHU, Completed Curriculum Implementation Support Program (CISP) course.
6. Nov 2020, Online faculty Development program on life skills for Educators (IIT, BHU).
7. Completed training on “Good clinical practices” Dec 2018
8. 34th NEOSCON-2021 Kaziranga Assam Paper presentation, Comparative analysis of transformational lumbar interbody fusion versus posterolateral instrumented fusion in degenerative lumbar spine disorder.
9. 34th NEOSCON-2021 Kaziranga Assam Paper presentation , Two levels above and one level below hybrid pedicle screw fixation with decompression for treatment of unstable thoracolumbar fractures with partial and intact neurology.
10. A Clinical case Presentation , in the monthly clinical meeting of the IMA Banaras Branch, July 2021.
11. A Clinical case Presentation , in the monthly clinical meeting of the IMA Banaras Branch, August 2021.
12. The Annual Award Night 2021, Dr. Bholanath Memorial Award, IMA Varanasi
13. UPORTHOCON, February2020 , Lucknow orthopaedic society
14. 39th. Annual Conference of North Zone Orthopaedics Association , A Paper presentation , TKR in setting of tibial stress fracture.
15. Certificate for participation, AO Spine Advanced Operative Course, Ahmedabad
16. APSS-APPOS 2019 Incheon ,KOREACertificate for delivered an educational lecture, Thoracolumbar burst fractures –result of decompression surgery and its correlation with surgical tactic
17. January 2020 Varanasi , Asia pacific Orthopaedic Association s young surgeons forum clinical meat , presentation , Cervical spine fracture dislocation C4-C5 level
18. 2019 March UGC-HRDC ,BHU Varanasi, attended the short term course for academic administrators.
19. 11th AIIMS 2019 Cadaver Arthroplasty Course-2019
20. 2019, INDIA Chandigarh, AOTrauma Seminar – Polytrauma
21. 2019, INDIA Chandigarh, AO Trauma India National Conference, Contributors Course Certificate.

22. 2017 CEZCON -2017 Participated as delegate and poster presentation
23. UPORTHOCON 2018, Allahabad- poster presentation- Posterior MIS approach in thoracolumbar fractures
24. NEROSA 2018, Mid-term CME- Case presentation- Difficult Hip cases
25. VOA 2018- A TO Z of hand and wrist, Faculty Table Instructor
26. VOA 2018 annual meeting- Intra articular fractures- lower limb, Faculty
27. NEOSCON 2022, Agartala, Faculty
28. UPORTHOCON-2022, Varanasi, Faculty
29. SPINE CONCLAVE- KGMU Lucknow, Faculty
30. APOA- Young surgeon forum, AIIMS, Jodhpur, 2022, Faculty
31. CEZCON 2022, Bhopal, Faculty
32. SPINE DEFORMITY COURSE, UNIVERSITY of MALAYA, Malaysia.
33. Lucknow-Pune exchange fellowship 2023, Sancheti Hospital, Pune (Dr. Parag Sancheti)
