

Curriculum Vitae

Dr (Prof.) Anil Arora



Senior Director & Chief Surgeon
Prof. Arora's Knee and Hip Surgery Clinic
Delhi.

Senior Director & Unit Head
Department of Orthopaedics & Joint Replacement
Max Super Speciality Hospital &
Institute of Joint Replacement
Patparganj, Delhi.

Name : **Dr. Prof. Anil Arora**
Academic Qualifications : MS (Orthopedics), DNB (Orthopedics),
Diploma SIROT(USA), FAPOA (Korea),
FIGOF (Germany), FJOA (Japan)

Specialization

- ▶ **"PINLESS" Computer Navigated Total Knee Replacements. First surgeon in North India to start "PINLESS COMPUTER NAVIGATION" Technology for Total Knee Replacement.**
- ▶ **Primary, Complex and Revision Knee and Hip Replacements.**
- ▶ **Shoulder and Elbow Replacements.**
- ▶ **Autologus Chondrocyte (Cartilage) Implantation in Knee.**

Currently : **Senior Director and Chief Surgeon**
Prof. Arora's Knee & Hip Surgery Clinic
A Centre for Joint Replacement
70, Hargobind Enclave, Delhi-92,
(Opp. Karkardooma Railway Reservation Centre)

Prof. Arora's Knee & Hip Surgery Clinic
Aditya Gold Crest Mall, GC 205, 2nd Floor,
Indirapuram, Ghaziabad

Senior Director & Unit Head

Department of Orthopedics & Joint Replacement Surgery,
Max Super Speciality Hospital and Institute of Joint Replacement,
Patparganj, Delhi-110092, India

Formerly : **Professor** Department of Orthopedics,
University College of Medical Sciences & GTB Hospital,
University of Delhi, India

- **National Delegate from India – Asia Pacific Orthopaedic Association**
- **Joint Secretary- Indian Orthopaedic Association (2009-2011)**
- **Member - Bureau of Indian Standards (BIS) : Committee for Standardization of Orthopaedic Implants**
- **Member – Implant Committee, Indian Orthopaedic Association**
- **Executive Member – Indian Arthroplasty (Joint Replacement) Association**
- **Chairman - Basic Sciences Committee, Indian Orthopaedic Association(2006-09)**
- **Vice President - Delhi Orthopaedic Association (2009-2010)**
- **Secretary – Delhi Orthopaedic Association (2007-2009)**
- **Editor – Delhi Journal of Orthopaedics (2004-2009)**

E-mail :aakneehip@gmail.com
Telephone +91-9650100600

AWARDS & RECOGNITIONS

- ❖ **Dr. (Prof.) Anil Arora recently registered a record in Guinness World Records (2018) for the largest gathering of Joint Replacement patients.**
- ❖ **Dr. (Prof.) Anil Arora registered a record in Limca Book of Records (2017).**

AWARDS & ACOMPLISHMENTS

- Indian Medical Association East Delhi Branch awarded Dr (Prof.) Anil Arora as **JEWEL OF IMA-EDB** in Annual Day Celebration 2019, on Sunday 28th April 2019, at Hallmarks Banquets, Delhi.
- Delhi Medical Association also honored Dr (Prof.) Anil Arora with "**Dr N.C. Joshi Memorial Oration Award**", of Delhi Medical Association, on this occasion, in recognition for his contribution to the field of Joint Replacement Surgery, Delhi Medical Association, as Chairman of Orthopaedics and Joint Replacement Session of National Academic Conclave (NACON 2019) coinciding with 61st Annual Delhi State Medical Conference, held on 24th of March, 2019 at Hotel Le- Meriden, New Delhi.
- Awarded "**CEOs ValYou Award**" on Max Healthcare Annual Day, Delhi, India, 7th December 2018.
- Awarded "**SUSRUTA AWARD**" on Max Healthcare Annual Day, Delhi, India, 7th December 2018.
- Awarded "**LEGEND in Orthopaedics**" by **Times of India Group** "Times of India Healthcare Achievers Award 2018", New Delhi, India, 25th November 2018.
- Awarded "**DMA Vishisht Chikitsa Ratan Award**" on Outstanding Contribution in the field of Medicine and Dedicated Services to the Society, New Delhi, India, 1st July 2018
- Awarded "Most Inspiring Orthopedics Surgeon of India" by **The Economic Times**, New Delhi, India, 30th June 2018.
- Awarded **President Appreciation Award** by Indian Medical Association, New Delhi, India, 22nd April 2018.
- Awarded by **Shri J.P. Nadda, former Health Minister of India**, in the field of "Orthopaedics and Joint Replacement" by India News Healthcare Awards, New Delhi, India, 9th April 2018.
- **Certificate of Appreciation** for 30 years of outstanding contribution to the field of Orthopaedics by Max Healthcare, April 2018.

- **Certificate of Appreciation** by Max Healthcare, February 2018.
- Awarded **"Best Joint Replacement Surgeon of the Year"**, The Golden Star Awards 2018 Healthcare by APS Research & Media, New Delhi, India, 27th January 2018.
- Awarded **"Safe Hands"** by Max Super Speciality Hospital Patpadganj, Delhi.
- Awarded **"Best Orthopedic Surgeon in North India"** by Eminent Research in National Healthcare Awards 2017-18, New Delhi, India.
- Awarded **"CEO Award"** of Max Healthcare on 3rd November 2017.
- Awarded by Senior Citizen Council of Delhi for the contribution in Joint Replacement Services for senior citizens, on Elder's Day, 1st October 2017. Awarded by **Deputy Chief Minister of Delhi**.
- Awarded **"Best Joint Replacement Surgeon in Delhi"** in India's Most Prominent Healthcare Awards 2017 (Merit Awards & Market Research Private Limited), New Delhi, 16th September 2017.
- Awarded **"LEGEND in Orthopaedics"** by **Times of India Group** "Times of India Healthcare Achievers Award 2017", New Delhi, India, 20th August 2017.
- Awarded **"Best Joint Replacement Surgeon in India"** by Xel Research in Best Doctor and Healthcare category, New Delhi, India, 27th May 2017.
- **Scroll of Honor**– Indian Medical Association EDB, 2016.
- Awarded **"Most Loved Doctor"** 2015-2016, Max Super Speciality Hospital, Patparganj, Delhi, India.
- Honored for **"Excellence in Medical Services for Senior Citizens"** by Mr. Arvind Kejriwal, Chief Minister of Delhi, at Annual Conference of Senior Citizens Associations of Delhi, Annual Conference 2015, New Delhi, India, 5th November 2015.
- Awarded **"DMA Vishisht Chikitsa Ratan Award"** on Outstanding Contribution in the field of Medicine and Service of Mankind by Dr. Mahesh Sharma: Ministry of Culture, Government of India, 5th July 2015.
- **Scroll of Honor**– Indian Medical Association EDB, 2015.
- **Excellence in Medical Service Award**-Indian Medical Association EDB, 2014.
- **GEMS** Award for outstanding clinical services in Orthopaedics by Max Super Speciality Hospital, Patpadganj, Delhi, 2014.
- **Young Jewel Award** – Indian Medical Association EDB, 2013.
- **Award of Appreciation** – Indian Medical Association EDB for Outstanding Meritorious services, 2010.
- **White Paper (National Consensus Paper)** on "Development of Lower Limb Score relevant to Indian Scenario. Presented at 53rd Annual Conference of **Indian Orthopaedic Association**, Bengaluru, India, 3rd-5th December 2008.

- 50th Annual Conference of **Indian Orthopaedic Association**, IOACON 2005, Mumbai, India, Appreciation Award, 25th-30th December 2005.
- Awarded "**Silver Jubilee Oration**" of **Indian Orthopaedic Association** at 49th Annual Conference of Indian Orthopaedic Association, Agra, India, 16th-21st December 2004. *This oration is awarded by a committee of five Past-Presidents of Indian Orthopaedic Association to an unpublished research work.*
- Awarded **Weller Gold Medal** at Indo German Orthopedic Foundation Conference held at New Delhi, 28th& 29th March 2003.
 - Title: Enhancement of Fracture Healing by Local Autologous Platelet Concentrate.
- Presented Research Work in **Young Orthopedic Investigator Award Session** of 2002 Combined Orthopedic Meeting (25th Singapore Association Meeting; 22nd ASEAN Orthopedic Association Meeting; 5th Combined meeting of Spinal and Paediatric Sections APOA; 7th Meeting of Knee and Sports Medicine Section APOA; 3rd Meeting of Asia Pacific Orthopedic Society for Sports Medicine) at Singapore, 12th-16th October 2002.
- Awarded **SIROT Award** at XXII SIROT / SICOT Triennial World Congress, San Diego, USA, 23rd-30th August 2002. (This Award of USD 3000 and a Diploma is given at Triennial Congress of SIROT to best, Original, Unpublished, and Research Work in Orthopaedics once in three years).
 - *First and the Only Indian to have achieved this award.*
 - *Won the Award amongst entries from 35 countries.*
- Won **First Prize (Individual)** in the **National Paediatric Orthopedic Quiz** at the 8th Annual Conference of Paediatric Orthopedic Society of India, March 2002.
- Awarded **A. A. Mehta Gold Medal of Indian Orthopaedic Association** (given for the Best paper presented at the National Annual Conference) through a competition at 46th Annual Conference of Indian Orthopedic Association, Ahmedabad, India, 17th-23rd December 2001.
- **Co-Editor** of film "**Total Hip Replacement Surgery**" Telecast by Doordarshan Television on **National Network** under University Grants Commission program on 17th January 1989.

FELLOWSHIPS- INTERNATIONAL

- **Commonwealth Academic Staff Fellowship in Primary, Complex and Revision Joint replacement Surgery** at UK, Royal National Orthopaedic Hospital, Stanmore, London, UK for 8 months, from 1st October 2007 to 6th June 2008.
- **Young Ambassadorial Fellowship**, 15th Triennial Congress of APOA, Seoul, Korea, 9th-13th September 2007.
- **Indo-British Traveling Fellowship of Indian Orthopaedic Society, UK**, 16th-30th September, 2006. Visited Centers of Excellence in UK; attended Oxford Knee Course at Oxford, UK.
- **Indo German Orthopaedic Foundation Fellowship**- attended LUM and Rotkreuz Hospital, Munich, Germany, 16th January to 19th February 2004.
- **Scholarship to attend 77th Japanese Orthopaedic Association Congress**, Kobe, Japan, 20th-23rd May 2004.

- **World Orthopedic Concern – SICOT Fellowship** for XXII SICOT/SIROT Triennial World Congress, San Diego, USA, 23rd-30th August 2002.

FELLOWSHIPS- NATIONAL

- **Johnson & Johnson Traveling Fellowship**–1997-1998 of Indian Orthopedic Association. (Every year three candidates are selected, from whole Country, by Indian Orthopedic Association on the basis of merit according to a prescribed format and criterion).

FELLOWSHIPS- REGIONAL

- Awarded **North Zone Orthopedic Association Traveling Fellowship** 1996-1997.

RESPONSIBILITIES IN NATIONAL ORGANISATION

(Indian Orthopaedic Association)

- 1) Joint Secretary of Indian Orthopaedic Association (2009-2011)
- 2) Chairman - Basic Sciences Committee (2006-09)
- 3) Member - Implant Committee
- 4) Past Executive Member from Delhi

Responsibility in National Body (Bureau of Indian Standards)

- 5) Member- **Committee for Standardization of Orthopaedic Implants** – Bureau of Indian Standards (BIS) (2005-onwards)

Responsibilities in Delhi Orthopaedic Association

- 1) **Vice President** – Delhi Orthopedic Association (2009-2010)
- 2) **Secretary** – Delhi Orthopedic Association (2007-2009)
- 3) **Editor** – Delhi Journal of Orthopaedics (2005-2009)

ORIGINAL RESEARCH / INNOVATIONS

– My Contribution to Orthopaedics

- 1) **Enhancement of Osteogenesis** in Long Bones by **Percutaneous Local Autologous Platelet Concentrate**.
- 2) **Osteosynthesis and Primary Valgus Osteotomy** for Unstable Adult Intracapsular Femoral Neck Fractures - **Fixation with Broad Dynamic Compression Plate**.
- 3) **Volar** surgical approach to ulna.
- 4) HighTibial Osteotomy - **Achieving compression** at Osteotomy site by Coventry Staple.
- 5) Evidence based **Immunomodulation of Clinically Non responder** Patients of Osteoarticular TB by **oral Levamisole, BCG vaccination and DT vaccine**

UNIVERSITY MEDALS

- **In General Pathology, General Surgery and Orthopaedics.**

PROFESSIONAL EXPERIENCE IN ORTHOPAEDICS

Designation	Period	Duration	Institute	Nature of work
Houseman	06.07.1987 to 06.07.1988	One Year	Dr. S. N. Medical College and Mahatma Gandhi Hospital, Jodhpur.	Clinical, Teaching and Research
Junior Registrar	07.07.1988 to 06.07.1989	One Year	Dr. S. N. Medical College and Mahatma Gandhi Hospital, Jodhpur.	Clinical, Teaching and Research
Senior Registrar	07.07.1989 to 07.07.1990	One Year	Dr. S. N. Medical College and Mahatma Gandhi Hospital, Jodhpur.	Clinical, Teaching and Research
Senior Resident	09.04.1991 to 14.03.1993	One year & 11 months	University College of Medical Sciences and G.T.B. Hospital, Delhi.	Clinical, Teaching and Research
Assistant Professor	15.03.1993 to 13.06.1995	Two Years & 3 months	Dr. S. N. Medical College and Mahatma Gandhi Hospital, Jodhpur.	Clinical, Teaching and Research
Lecturer	14.06.1995 to 13.06.1996	One year	University College of Medical Sciences and G.T.B. Hospital, Delhi.	Clinical, Teaching and Research
Senior Lecturer	14.06.1996 to 14.11.1997	One year & 5 months	University College of Medical Sciences and G.T.B. Hospital, Delhi.	Clinical, Teaching and Research
Reader	15.11.1997 to 14.11.2005	8 Years	University College of Medical Sciences and G.T.B. Hospital, Delhi.	Clinical, Teaching and Research
Professor	14.11.2005 to 14.06.2009	3 Year & 7 Month	University College of Medical Sciences and G.T.B. Hospital, Delhi.	Clinical, Teaching and Research

Currently: From 15.06.2009 onwards - **Senior Director & Unit Head of Orthopedics, Max Superspeciality Hospital and Institute of Joint Replacement, Patparganj, Delhi**

Fellowship / Updates in Joint Replacement Surgery

Name	Place	Dates
Computer Navigated Knee Replacement	Mumbai, India	2013
Articulate Live: Workshop on Primary and Revision Hip and Knee Replacement	Sydney, Australia	17 th May 2010 to 21 st May 2010
Fellowship in Primary, Complex and Revision Joint replacement Surgery	Royal National Orthopaedic Hospital, Stanmore, London, UK	1 st October 2007 to 6 th June 2008
Workshop on TKR	51 st Annual Conference of India Orthopaedic Association, Kolkatta, India	5 th December 2007
Indo German Orthopaedic Foundation Fellowship	Munich, Germany.	16 th January to 19 th February, 2004
Current Concepts in Arthroplasty	All India Institute of Medical Sciences, New Delhi, India.	18 th to 19 th September, 2004
Workshop on Total Knee Arthroplasty / Revision Arthroplasty	47 th Annual Conference of India Orthopaedic Association, Patna, India	12 th to 17 th November, 2002
Observership in Joint Replacement and Arthroscopy	Royal Adelaide Hospital, South Australia, Australia.	9 th to 20 th April, 2001
3 rd Biennial Conference of Indian Arthroplasty Association	Indian Arthroplasty Association, India Habitat Centre, India.	9 th to 11 th March, 2000
Workshop on Total Hip Replacement	Maulana Azad Medical College, New Delhi, India.	10 th to 11 th October, 1998
Johnson & Johnson Traveling Fellowship of Indian Orthopaedic Association	Prominent Arthroplasty Centers in various parts of country namely; Bombay, Delhi, Ahmedabad, Chennai and Calcutta, India.	25 th December 1997 to 31 st January 1998
Workshop on Total Knee Replacement	Indian Orthopaedic Association, 42 nd Annual Conference, Kochi, Kerala, India.	27 th to 30 th November, 1997
Workshop on Total Knee Replacement	Dr. R.M.L. Hospital, New Delhi, India.	14 th November, 1997
Workshop of Total Hip and Total Knee Arthroplasty	The Central Institute of Orthopaedics, Safdarjang Hospital, New Delhi, India.	11 th April, 1997
Workshop on Hip and Knee Replacement	Indo-German Orthopaedic Foundation, Ahmedabad, India	27 th to 29 th , 1996
Instructional Course on Knee Joint	Indian Orthopaedic Association, Pt. B.D. Sharma P.G.I.M.S., Rohtak (Haryana), India.	20 th & 21 st April, 1996
Workshop on Joint Replacement	XXXI Annual Conference of Indian Orthopaedic Association, Calcutta, India.	17 th December, 1996
Workshop on Total Hip and Knee Replacement Surgery	Department of Orthopaedic Surgery and Rehabilitation Research Centre, Dr. S. N. Medical College and M.G. Hospital, Jodhpur, India.	30 th & 31 st January, 1988

CONFERENCES ON JOINT REPLACEMENT ORGANIZED BY DR. ARORA

- **Rehabilitation of Knee: Trauma and Arthroplasty. 3rd August, Delhi**
- **Interactive Symposium and Informal Discussion on Advanced Knee and Hip Replacement Surgeries and Rehabilitation**, 6th October 2018, Hotel Radisson Blue, Delhi, India.
- **1st CARE Program (CONTINUING AWARENESS RESEARCH & EDUCATION) for Joint Replacement Patients**, 8th April 2018, Delhi, India.
- **1st Global CAPS (Combined Arthroplasty & Physiotherapy Symposium)**, Indian Habitat Center, New Delhi, India, 25th& 26th March 2017.
- **First Global Arthroplasty Course 2016**, 13th March 2016, Hotel Lemon Tree, Delhi, India.
- **Total Knee Arthroplasty: Discussion on Intraoperative Aspects**, 28th February 2015, Hotel Woodapple Residency, New Delhi, India.
- **Interactive Symposium on Total Knee Replacement**, Hotel Lemon Tree, Delhi, India, 23rd February 2014.

FACULTY / GUEST LECTURES / INVITED TALKS / PAPERS

1. Faculty to Delhi Orthopedic Association, at Holiday Inn, talk on----- on 10th November 2019.
2. Faculty to 3rd Congress of traumatologists – orthopedists of the Republic of Kazakhstan and 4th Eurasian Congress of traumatologists- orthopedists. Talk on **Total Hip Arthroplasty**, on 1st, 2nd and 3rd October 2019.
3. Faculty to 3rd Congress of traumatologists – orthopedists of the Republic of Kazakhstan and 4th Eurasian Congress of traumatologists- orthopedists. Talk on Master Class **Surgical Technique for Carrying Out Total Knee Joint Replacement**, on 1st, 2nd and 3rd October 2019.
4. Faculty to 3rd Congress of traumatologists – orthopedists of the Republic of Kazakhstan and 4th Eurasian Congress of traumatologists- orthopedists. Talk on **Master Class Primary Hip Joint Endoprothetics**, on 1st, 2nd and 3rd October 2019.
5. Faculty to 3rd Congress of traumatologists – orthopedists of the Republic of Kazakhstan and 4th Eurasian Congress of traumatologists- orthopedists. Talk on **Master Class Revision Hip Replacement**, on 1st, 2nd and 3rd October 2019.
6. Faculty to Indian Arthroplasty Association. Talk on **Revision Hip Arthroplasty**, 20-21 Sept 2019, Mumbai, India.
7. Faculty to Cawnpore Arthroplasty Course. Talk on **Cemented Hip Replacement**. Getting optimum placement and Limb Length management. 22 Sept 2019, Lucknow.
8. **Advance Knee & Hip Replacement Surgery – Achieving Highest Level and Results**: Organized under aegis of IMA Noida, June 2019, Noida.

9. **Orthopaedics & Joint Replacement Surgery: Why it is not glorified carpentry**, at 61st Annual Delhi State Medical Conference – NACON, March 2019
10. **Knee Replacement Surgery: Achieving perfection for faster recovery, quick function, bringing life back**, 61st Annual Delhi State Medical Conference – NACON, March 2019.
11. **Total Hip Replacement: How to make it last beyond two decades**, 61st Annual Delhi State Medical Conference – NACON, March 2019.
12. **Joint Replacement Surgery "How to get best out of it"** at Sports Connect 2 at New Delhi, March 2019.
13. Demonstrated **Live Surgery of Total Hip Replacement in All India Institute of Medical Sciences (AIIMS), Delhi**, on 17th of February, 2019, in National Arthroplasty Course.
14. Dr (Prof.) Anil Arora has attended ROC- 2019 as a faculty and spoke about "**Advances & techniques in Joint Replacement Surgery & Arthroscopy**" which was held on 21st to 23rd of February 2019 at New Delhi.
15. Invited as International Faculty for Masters Course on "**Revision Hip Replacement**" which was held in Bangkok, Thailand on 26th & 27th of February 2019. Dr (Prof.) Anil Arora Demonstrated Revision Hip **Replacement Surgical Techniques to delegates on soft cadavers** in the soft Cadaveric Lab at Chula Medical College, Thai land.
16. **Joint Replacement Surgery: What is in, what is out**, ACADEMIA 2018, New Delhi, India, 25th November 2018.
17. **Moving towards Centre of Excellence**, ACADEMIA 2018, New Delhi, India, 25th November 2018.
18. **Surgical Video Demonstration of "Exposure for Total Knee Replacement**, Annual Conference of Delhi Orthopedic Association, DOACON 2018, Department of Orthopaedics, All India Institute of Medical Sciences, New Delhi, India, 24th November 2018.
19. **Arthroplasty for Fracture Neck Femur**, in Midterm Symposium-UPOA 2018 organised by Ghaziabad Orthopaedic Club, Ghaziabad, India, 7th October 2018.
20. **Demonstrated Live Surgery of Total Knee Replacement** in Annual Conference of International College of Surgeons Indian Section 2018, Varanasi, India, 15th September 2018.
21. **Panel Discussion: Patellofemoral Arthroplasty; Pain Management in TKR; Role of Tranexamic in TKR; TKR in Elderly; TKR in Obese Patients**. Arthroplasty Conclave, Knee & Hip Arthroplasty in association with Faridabad Orthopedic Association, Asian Institute of Medical Sciences, Faridabad, India, 18th August 2018.
22. **Complications in Total Knee Replacement: Managing Patella Problems in TKR**: Arthroplasty Conclave, Knee & Hip Arthroplasty in association with Faridabad Orthopedic Association, Asian Institute of Medical Sciences, Faridabad, India, 18th August 2018.
23. **The Changing Scenario in Joint Replacement Surgery**, CME organized by Max Super Specialty Hospital, Patparganj, Delhi, India, 14th July 2018.
24. **Tips for Total Hip Replacement**, 5th UPOA Arthroplasty Course 2018 organized by Agra Orthopaedic Society, Agra, India, 27th May 2018.
25. **Performed Live Surgery on Total Hip Replacement**, 10th AIIMS Arthroplasty Course 2018, New Delhi, India, 6th & 7th May 2018.
26. **12th National Congress ISHKS 2018**, Ahmedabad, Gujarat, India, 13th – 15th April 2018.

27. **Modular Stems in Total Hip Replacement in Dysplastic Hips.** 10th Cawnpore Arthroplasty Course: U.P. Arthroplasty Society, participated as a Faculty, Kanpur, India, 17th& 18th March 2018.
28. **Workshop on Management of Bone Deficiency in Total Knee Replacement. 10th Cawnpore Arthroplasty Course:** U.P. Arthroplasty Society participated as a Faculty, Kanpur, India, 17th & 18th March 2018.
29. **Extended Trochanteric Osteotomy for Revision Hip Replacement:** U.P. Arthroplasty Society participated as a Faculty, Kanpur, India, 17th& 18th March 2018.
30. **Step by Step Technique of Cemented Hip Replacement:** U.P. Orthopaedic Association Annual Conference, Allahabad, India, 15th February 2018.
31. **Modular Hip Arthroplasty Masters Course.** AIIMS Cadaveric Surgical Skills Training, New Delhi, India, 9th & 10th February 2018.
32. **Balancing the hip in THR.** 30th ROSACON, Rajasthan Orthopaedic Surgeons Association 2018, Ajmer, India, 3rd February 2018.
33. Talk **"Joint Replacement"** at CME organized by Max Super Speciality Hospital, Patparganj, Delhi at Ghaziabad, 20th January 2018.
34. Ranawat Orthopaedic Conference, **"Advances & techniques in Joint Replacement Surgery & Arthroscopy"**, A Continuing Medical Education Program, Mumbai, India, 4th,5th & 6th January 2018.
35. **Talk on Recent Advances in Knee Replacements.** 60th Diamond Jubilee State Medical Conference organized by Delhi Medical Association as Guest Faculty, New Delhi, India, 24th December 2017.
36. **Demonstrated Live Surgery doing Total Knee Replacement in Jaipur Shoulder Knee Course (In association with ROSA and JOS) -** as Faculty held at Jaipur, 29-30 April, 2017.
37. **Various Surgical Approaches of Knee Joint:** 1st Global CAPS (Combined Arthroplasty & Physiotherapy Symposium), New Delhi, India, 25th& 26thMarch 2017.
38. **Saw Bone Demonstration of Total Knee Replacement Surgery with PINLESS Computer Navigation:**1st Global CAPS (Combined Arthroplasty & Physiotherapy Symposium), New Delhi, India, 25th & 26th March 2017.
39. **Total Knee Replacement: Live Surgery Clips:** 1st Global CAPS (Combined Arthroplasty & Physiotherapy Symposium), New Delhi, India, 25th& 26th March 2017.
40. **Results of Total Knee Replacement:** 1st Global CAPS (Combined Arthroplasty & Physiotherapy Symposium), New Delhi, India, 25th & 26th March 2017.
41. **How to read Post OperativeX-rays of Total Knee Replacement:** 1st Global CAPS (Combined Arthroplasty & Physiotherapy Symposium), New Delhi, India, 25th & 26th March 2017.
42. **Types of Hip Replacement Implants:** 1st Global CAPS (Combined Arthroplasty & Physiotherapy Symposium), New Delhi, India, 25th & 26th March 2017.
43. **Saw Bone Demonstration of Total Hip Replacement Surgery:** 1st Global CAPS (Combined Arthroplasty & Physiotherapy Symposium), New Delhi, India, 25th & 26th March 2017.
44. **Pinless Computer Navigated Total Knee Replacement:** Max MEDICON, New Delhi, India, 21st January 2017.

45. **Complex and Revision Total Knee and Total Hip Replacement:** Max MEDICON, New Delhi, India, 21st January 2017.
46. **Preventing dislocation in Total Hip Replacement :** DOACON Annual Conference of Delhi Orthopaedic Association, New Delhi, India, 27th November 2016.
47. **Moderating Live Surgery on ATTUNE KNEE Replacement:** ISKSAA International Society for Knowledge for Surgeons on Arthroscopy and Arthroplasty, New Delhi, India, 22nd November 2016.
48. **Chair Person, Faculty:** IAACON 2016:13th Annual Conference of Indian Arthroplasty Association, Janpath, New Delhi, 4th,5th&6thNovember 2016.
49. **Exposure Technique for Total Knee Replacement:** 9th Cawnpore Arthroplasty Course 2016: UP Arthroplasty Society, Kanpur, India,14th & 15th May 2016.
50. **Hiflex Knee: Current Scenario:** UP Orthopaedic Association Annual Conference, Meerut, India, 13th February 2016.
51. **Advances & Techniques in Joint Replacement Surgery & Arthroscopy: Case Presentation :** Ranawat Orthopaedic Research Foundation Conference, Bengaluru, India, 14th, 15th & 16th January 2016.
52. **Joint Replacement Surgery: Current Concepts:** Delhi Medical Association IMA NATCON 2015, 90th Annual National Conference of IMA, 58th Annual Delhi State Medical Conference as Guest Faculty, 27th-28th December 2015.
53. **Joint Replacement Surgery: How to be successful each time every time:** MAX Medicon, New Delhi, India, 21st& 22nd November 2015.
54. **Joint Replacement Surgery- Current Scenario:** Indian Medical Association, Central Delhi at MAULANA AZAD MEDICAL COLLEGE, New Delhi, 15th November 2015.
55. **Talk on Joint Replacement** at Confederation of Senior Citizens Associations of Delhi: Annual Conference-2015,New Delhi, India, 5th November 2015.
56. **Pre-op planning, soft tissue balancing offset and limb length restoration in Total Hip Replacement – Complications & their Management:** UP Orthopaedic Association 2nd Arthroplasty Course Sunday, Allahabad Orthopaedic Society, Allahabad, India, 1st November 2015.
57. **Total Knee Replacement – Complications & their management:** UP Orthopaedic Association 2nd Arthroplasty Course Sunday, Allahabad Orthopaedic Society, Allahabad, India, 1st November 2015.
58. **Strategies to reduce Wear in Fixed Bearing Implant in Total Knee Replacement:** IAA- ASIA 2015: Conference of Indian Arthroplasty Association, Agra, India, 23rd-25th October 2015.
59. **Joint Replacement in Proximal Femoral Fractures:** 1st UCMS TRAUMA SYMPOSIUM on '**Proximal Femoral Fractures**', Department of Orthopaedics University College of Medical Sciences and GTB Hospital Delhi in association with Delhi Orthopaedic Association, Delhi, India, 9thAugust 2015.
60. **'Advance Total Knee Replacement How to be successful each time-every time':** Max Super Specialty Hospital, Patparganj invites for a CME on, Kaushambi, U.P., India, 12th December 2014.
61. **Total Hip Replacement: How to do: ARTHROCON 2014,** Department of Orthopaedic, ESI PGIMSR, Basaidarapur, New Delhi, India, 5th-6th December 2014.

62. **Joint Replacement Workshop:** 59th IOACON Annual Conference of Indian Orthopaedic Association, Hyderabad, India, 19th - 22nd November 2014.
63. **Bearings in Hip Replacement: Metal on poly: time-tested friend:** 11th Annual Conference of Indian Arthroplasty Association, Madurai, India, 31st October 2014.
64. **Technique of Cemented Total Hip Replacement.** Hip & Knee Replacement Cadaver Course, Jammu GMC. India, 18th October 2014.
65. **Planning for Hip Replacement.** Hip & Knee Replacement Cadaver Course, Jammu GMC. India, 18th October 2014.
66. **Demonstration of Hip Replacement Surgery.** Hip & Knee Replacement Cadaver Course, Jammu GMC. India, 18th October 2014.
67. **Total Hip Replacement:** Tubercular Hip, Current Concepts in Hip Arthroplasty, AIIMS Jodhpur, India, 27th September 2014.
68. **Total Hip Replacement: Periprosthetic Fracture :** Delhi Orthopaedic Association, New Delhi, India, 3rd August 2014.
69. **Exposure for Total Knee Replacement.** Basic Arthroplasty Course, Delhi, India, 19th-20th July 2014.
70. **Gap Balancing in Total Knee Replacement.** Basic Arthroplasty Course, Delhi, India, 19th-20th July 2014.
71. **Total Hip Replacement: Tips and Pearls.** Basic Arthroplasty Course, Delhi, India, 19th-20th July 2014.
72. **Cementation in Total Knee Replacement.** Basic Arthroplasty Course, Delhi, India, 19th-20th July 2014.
73. **Patella Resurfacing in Total Knee Replacement.** Basic Arthroplasty Course, Delhi, India, 19th-20th July 2014.
74. **Hands on Workshop on Total Knee Replacement.** Basic Arthroplasty Course, Delhi, India, 19th-20th July 2014.
75. **Total Hip Replacement: Tips and Pearls: making you successful every time, each time,** Master class in Orthopedics, Goa, India, 12th-13th June 2014.
76. **Technique of Cemented Hip Replacement,** Master class in Orthopedics, Goa, India, 12th-13th June 2014.
77. ISHKS 2014, 8th National Congress of Indian Society of Hip and Knee Surgeons, Pune, India, 11th to 13th April 2014.
78. **Exposure for Total Knee Replacement.** Interactive Symposium on Total Knee Replacement, Delhi, India, 23rd February 2014.
79. **Varus Deformity Correction in Total Knee Replacement.** Interactive Symposium on Total Knee Replacement, Delhi, India, 23rd February 2014.
80. **Gap Balancing in Total Knee Replacement.** Interactive Symposium on Total Knee Replacement, Delhi, India, 23rd February 2014.
81. **Patellar Tendon Avulsion management in Total Knee Replacement.** Interactive Symposium on Total Knee Replacement, Delhi, India, 23rd February 2014.
82. **Revision Hip Replacement: Techniques.** 10th Middle East Orthopaedic Conference, Dubai, January 2014.

83. **Case Presentation on Joint Replacement:** Ranawat Orthopaedic Research Foundation "**Advances & Techniques in Joint Replacement Surgery & Arthroscopy**", New Delhi, India, 16th to 18th January 2014.
84. **Periprosthetic Fractures.** Annual Conference of Indian Orthopaedic Association, Agra, India, 3rd-8th December 2013.
85. **Joint Replacement Surgery:** 1st Decade Conclave of Indian Arthroplasty Association (IAA MEET 2013), Jaipur, India, 15th-17th November 2013.
86. Current concepts in Arthroplasty 2013 "What is Hot, What is Not", All India Institute of Medical Science, New Delhi, India, 17th-18th August 2013.
87. **Total Hip Replacement in Acetabular fractures.** Agra Arthroplasty Course. Agra Orthopaedic Association, Agra, India, 12th May 2013.
88. **Technique of Cemented Hip Replacement.** Agra Arthroplasty Course. Agra Orthopaedic Association, Agra, India, 12th May 2013.
89. **Thromboprophyl axis after Total Hip Replacement.** Agra Arthroplasty Course. Agra Orthopaedic Association, Agra, India, 12th May 2013.
90. **7th National Congress of Indian Society of Hip & Knee Surgeons** held at Kolkata, India, 26th-28th April 2013.
91. **Knee Replacement Surgery and High Tibial Osteotomy.** Meerut Orthopaedic Club, Meerut, India, 15th February 2013.
92. **Total Hip Replacement-Getting Femur Right:** Instructional Course Lectures, Chandigarh, India, 16th February 2013.
93. **Poly Wear in Total Knee Replacement:** Issues and Solutions: Instructional Course Lectures, Chandigarh, India, 16th February 2013.
94. **Joint Replacement Surgery in Osteoarthritis Knee.** National Thermal Power Corporation Lectures, Ghaziabad, India, 27th February 2013.
95. **Knee Replacement Surgery:** Current Scenario. Max Medicon, Delhi, India, 27th January 2013.
96. **Revision Total Hip Replacement** Annual Conference of Rajasthan Orthopaedic Surgeons Association, Ajmer, Rajasthan, India, 8th January 2013.
97. **Osteoarthritis Knee and Osteoporosis.** Varisht Nagrik Lecture, Delhi, India, 20th November 2012.
98. **Talk on Joint Replacement:** 5th Senior Citizen Conference 2012, New Delhi.
99. **Painful Total Knee Replacement.** Annual Conference of Delhi Orthopaedic Association, Delhi, India, 6th November 2012.
100. **Revision Total Hip Replacement.** Delhi Orthopaedic Association, Delhi, India, 24th July 2012.
101. Delhi Orthopaedic Association, MIDCON (TRAUMACON), organized by East Delhi Orthopaedic Association, Delhi, India, 22th July 2012.
102. **Total Knee Replacement and Total Hip Replacement.** Biwani camp, 10th July 2012.
103. **Joint Replacement Surgery:** Recent Developments. Employees' state Insurance Corporation 9th July, 2012.
104. **Total Knee Replacement:** Primary Complex and Revision Knee Replacement Indian Medical Association Saharanpur Branch Camp, Saharanpur, India, 12th June 2012.

105. **Total Hip Replacement.** Indian Medical Association East Delhi Branch, Delhi, India, 23rd April 2012.
106. **DePuy Institute,** Computer Assisted Navigation Surgery Course, 18th February 2012.
107. Delhi Orthopaedic Association, First Quarterly Scientific Meet 2012, 15th January 2012.
108. **Tumor Prosthesis Joint Replacement:** XXIV Annual Conference of Rajasthan Orthopaedic Surgeon's Association, Ajmer, India, 6th-8th January 2012.
109. Meeting of the Presidents of National Associations of APOA Member Chapters, New Delhi, India, 8th December 2011.
110. **Talk on Joint Replacement:** 4th Senior Citizen Conference, 13th November 2011.
111. **DOACON 2011,** 19th Annual Conference of Delhi Orthopaedic Association, 5th & 6th November 2011.
112. **SICOT 2011 XXV Triennial World Congress,** Certificate of Attendance, Prague, Czech Republic, 6th - 9th September 2011.
113. **Assessment of Painful Total Knee Replacement.** XXX NZIOACON 2011, North Zone Orthopedic Association, Shimla, India, 2nd-3rd April 2011.
114. 35th Annual Conference of UP Orthopaedic Association, UPORTHOCON 2011, organized by Gorakhpur Orthopaedic club, 18th-20th February 2011.
115. **Arthroplasty for Tumors.** Off the shelf options. Annual Conference of Rajasthan Orthopaedic Surgeons Association, Sriganganagar, Rajasthan, India, 13rd February 2011.
116. **Joint Replacement Surgery:** How far have we gone?, Aligarh, India, 15th January 2011.
117. **Medial Collateral Ligament Injuries.** Annual Conference of Delhi Orthopaedic Association, Delhi, India, 9th January 2011.
118. **Joint Replacement surgery.** CME. Indian Medical Association, Hapur, India, 29th May 2010.
119. **Septic Hip in Children. Continuing Medical Education on Paediatric Hip,** Chacha Nehru BAL Chikistsalaya, Delhi, India, 29th May 2010.
120. Indian Medical Association, Annual Function 2010, for Outstanding Meritorious Services, 18th April 2010.
121. **Immunomodulation in Osteoarticular Tuberculosis.** Ghaziabad Orthopaedic Club meeting, Ghaziabad, India, March 2010.
122. **Preoperative Assessment for Total Knee replacement.** Basic Arthroplasty Interactive Update, Ghaziabad, India, 22nd March 2010.
123. **Knee and Hip Joint Replacement:** The current scenario. Medi-Update 2010, Moradabad, India, 21st February 2010.
124. **Causes and Mechanisms of Failure of Total Knee Replacement.** Tips and Tricks of Revision Arthroplasty. Course on Revision Arthroplasty. Indraprastha Apollo Hospital, Delhi, India, February 2010.
125. **Metal on Metal THR: Issues and Concerns.** Annual Conference of Delhi Orthopaedic Association, Delhi, India, 9th-10th January 2010.
126. **Joint Replacement Surgery:** Current status and future directions. CME. Golden Jubilee Celebrations. S.P. Medical College Bikaner, Bikaner, India, 23rd-25th December 2009.

127. **Proximal femoral Osteotomies.** Clinical and Radiological Assessment. 53rd Annual Conference of Indian Orthopaedic Association, Bhubhaneshwar, India, December 2009.
128. **Prevention of Hospital Sepsis.** Continuing Medical Education Program of Indian Orthopaedic Association, 53rd Annual Conference of Indian Orthopaedic Association, Bhubhaneshwar, India, December 2009.
129. **New Horizons in Joint Replacement:** The current scenario. CME on Joint Replacement and Trauma, Delhi, India, 5th September 2009.
130. **Delhi Orthopaedic Association Midcon 2009** organised by Central Institute of Orthopaedics Vardhman Mahavir Medical College and Safdarjung Hospital, New Delhi, India, 2nd August 2009.
131. **Tips for Cemented Total Hip Replacement.** NOVACON 2009, Delhi, India, 26th April 2009.
132. **Haemarthroses Knee :** Delhi Knee Course (Trauma, Internal Derangement, Arthroscopy, Arthroplasty), New Delhi, India, 14th-15th March 2009.
133. **Autologus Chondrocyte Implantation:** Technique and Results. Annual Conference of Delhi Orthopaedic Association, Delhi, India, 10th-11th January 2009.
134. **Autologus Chondrocyte Implantation:** Technique. 52nd Annual Conference of Indian Orthopaedic Association, Bhubhaneshwar, India, December 2008.
135. **Tantalum in Total Hip Replacement,** Annual Conference of Indian Arthroplasty Association, Delhi, India, November 2008.
136. **Enhancement of Osteogenesis by Percutaneous Injection of Local Autologus Platelet Concentrate.** International Meeting on The Bone Defect, Milan, Italy, 23rd-25th October 2008.
137. **Talk on Joint Replacement:** Senior Citizen Conference, 18th October 2008.
138. **Unconventional Options for Revision Hip.** Midterm Conference of Delhi Orthopaedic Association, Delhi, India, August 2008.
139. 7th Combined Congress of the Spine and Pediatric Sections, APOA 2008, Korea, 4th& 7th June 2008.
140. Imperial College, The Great Debate 'Early Intervention in the Hip and Knee', Science Museum, London, United Kingdom, 18th-19th January 2008.
141. **Musculoskeletal Training for Orthopaedists and Non Orthopaedists:** Experiences in India. Carl T Brighton Workshop of Clinical Orthopaedics and Related Research, Ahmedabad, India, December 2007.
142. **Management of Fracture Neck of Femur in a 60 year old person - A Case for Osteosynthesis.** Continuing Medical Education Program of Indian Orthopaedic Association, 51st Annual Conference of Indian Orthopaedic Association, Kolkata, India, 5th December 2007.
143. **Optimising Learning Environment for Surgical Training.** 15th Triennial Congress of Asia Pacific Orthopaedic Association, Seoul, Korea, 9th-13th September 2007.
144. **Randomised Controlled Trial to Compare the Union Rates in Traumatic Fresh.** 15th Triennial Congress of Asia Pacific Orthopaedic Association, Seoul, Korea, 9th-13th September 2007.
145. **Intracapsular Femoral Neck Fractures After Osteosynthesis With and Without Primary Valgus Osteotomy in Young Adults 20-50 Yrs.** 15th Triennial Congress of Asia Pacific Orthopaedic Association, Seoul, Korea, 9th-13th September 2007.

146. **Osteosynthesis Coupled With Primary Valgus Osteotomy** In Adult Fracture Neck Femur: Fixation With Contoured Broad DCP – A New Fixation Method. 15th Triennial Congress of Asia Pacific Orthopaedic Association, Seoul, Korea, 9th-13th September 2007.
147. **Enhancement of Osteogenesis** In Long Bones By Local Percutaneous Injection Of Autologus Platelets Concentrate. 15th Triennial Congress of Asia Pacific Orthopaedic Association, Seoul, Korea, 9th-13th September 2007.
148. **Lower Humeral Epiphysis Injury In Children**, An Uncommon Injury But Commonly Misdiagnosed: Our Experience Of 23 Cases. 15th Triennial Congress of Asia Pacific Orthopaedic Association, Seoul, Korea, 9th-13th September 2007.
149. **Long Term Outcome In Childhood Femoral Neck Fractures** : The Lessons Learnt
150. **Septic Arthritis Of The Hip In Children** 15th Triennial Congress of Asia Pacific Orthopaedic Association, Seoul, Korea, 9th-13th September 2007.
151. **Osteoarticular Tuberculosis- Past, Present and Future.** 15th Triennial Congress of Asia Pacific Orthopaedic Association, Seoul, Korea, 9th-13th September 2007.
152. **A Survey of Prescribing Pattern for Osteoarticular Tuberculosis:** Orthopaedic Surgeons and Infectious Disease Experts' Perspective. 15th Triennial Congress of Asia Pacific Orthopaedic Association, Seoul, Korea, 9th-13th September 2007.
153. **Rhodotorula Rubra as A Cause of Persistence of Infected Femoral Non-union In An Immune Competent Patient.** 15th Triennial Congress of Asia Pacific Orthopaedic Association, Seoul, Korea, 9th-13th September 2007.
154. **Skeletal Tuberculosis at Local Site Following Fracture Fixation with Implant.** 15th Triennial Congress of Asia Pacific Orthopaedic Association, Seoul, Korea, 9th-13th September 2007.
155. **Osteomyelitis Variolosa.** 15th Triennial Congress of Asia Pacific Orthopaedic Association, Seoul, Korea, 9th-13th September 2007.
156. **Dhaga Syndrome:** Previously Undescribed Entity 15th Triennial Congress of Asia Pacific Orthopaedic Association, Seoul, Korea, 9th-13th September 2007.
157. IAACON 2007, Biennial Conference of Indian Arthroplasty Association, Chandigarh, India, 24th-25th February 2007.
158. IOS Travelling Fellowship, UK 2006.
159. **Dilemmas in Orthopaedics- Neglected Femoral Neck Fractures in Children.** Continuing Medical Education Program of Indian Orthopaedic Association, 51st Annual Conference of Indian Orthopaedic Association, New Delhi, India, 9th November 2006.
160. **Intertrochanteric fractures treated by DHS.** Symposium on Intertrochanteric fractures in the 51st Annual Conference of Indian Orthopaedic Association, New Delhi, India, 10th to 12th November 2006.
161. **Optimizing Learning Environment for Surgical Training.** Symposium on Orthopaedic Education in the 51st Annual Conference of Indian Orthopaedic Association, New Delhi, India, 10th to 12th November 2006.
162. **Osteosynthesis of Femoral Neck Fractures.** Workshop on Osteosynthesis. 51st Annual Conference of Indian Orthopaedic Association, New Delhi, India, 13th November 2006.
163. **Osteosynthesis of Trochanteric fractures:** Tips and pearls. Workshop on Osteosynthesis. 51st Annual Conference of Indian Orthopaedic Association, New Delhi, India, 13th November 2006.
164. Oxford Unicompartamental Knee Advanced Instructional Course, Keble College, Oxford, 25th-26th September 2006.
165. **Tuberculosis of Hip and Knee.** Wrightington Hospital, UK, 21st September 2006.
166. **Enhancement of Osteogenesis by Local Autologus Platelet Concentrate.** Fairfield Hospital (19 September 2006) and Tameside Hospital (20 September 2006), UK.

167. **Pearls of Wisdom – Neglected Fracture Neck Femur in Children:** Dilemma in Choosing the Options. Mid Term Symposium. UP Chapter of Indian Orthopaedic Association, Mid Term Symposium, Ghaziabad, India, 10th September, 2006.
168. **Osteoarticular Tuberculosis- Acute Presentation.** Inaugural Musculoskeletal Infection Section Conference of Asia Pacific Orthopaedic Association, Khajuraho, India, 25th,26th,27th August 2006.
169. **Immunomodulation, HIV and Osteoarticular Tuberculosis.** Inaugural Musculoskeletal Infection Section Conference of Asia Pacific Orthopaedic Association, Khajuraho, India, 25th,26th,27th August 2006.
170. **Septic Arthritis.** Inaugural Musculoskeletal Infection Section Conference of Asia Pacific Orthopaedic Association, Khajuraho, India, 25th,26th,27th August 2006.
171. **From Childhood to Adulthood - Paediatric Femoral Neck Fractures.** XXXIInd Annual Conference of Bihar Orthopaedic Association, Bihar, India, 10th-12th February 2006.
172. **DHS fixation of Intertrochanteric fractures – Tips and Pearls.** Workshop on Proximal femoral fractures. Annual Conference of Bihar Orthopaedic Association, Bihar, India, 9th February 2006.
173. **Pathophysiology and host response in implant associated infection.** Symposium on Implant Associated Infection in Orthopaedic Surgery. Implant Session, Annual Conference of Indian Orthopaedic Association, Mumbai, India, 30th December 2005.
174. **Paediatric Femoral Neck Fractures,** Paediatric Session - Annual Conference of Indian Orthopaedic Association, Mumbai, India, 30th December 2005.
175. Operative techniques on **"Primary Valgus osteotomy in femoral neck fracture"** and **"High Tibial Osteotomy"**, Nagpur Hip and Knee course, Nagpur, India, 13th-14th August 2005.
176. **Interleukin profile in Osteoarticular Tuberculosis:** Evidence Based Favorable Interleukin modulation by Immunotherapy in Nonresponder and recurred cases. XXIII SIROT/SICOT Triennial World Congress, Istanbul, Turkey, August 2005.
177. **Childhood femoral neck fractures:** 67 cases followed for 3-24 years. XXIII SIROT/SICOT Triennial World Congress, Istanbul, Turkey, August 2005.
178. **Femoral neck fractures in children with end results,** Rajasthan Orthopaedic Surgeons Association, 17th Annual Conference, Alwar, India, 5th-6th February 2005.
179. **Long-term results in lateral condylar fracture of Humerus in children,** Annual Conference of Delhi Orthopaedic Association, Delhi, India, January 2005.
180. **Silver Jubilee Oration of Indian Orthopedic Association:** Basic Science of Host Immunity in Osteoarticular Tuberculosis- A clinical Study, 49th Annual Conference of **Indian Orthopedic Association,** Agra, India, 16th– 21st December 2004.
181. **Immuno modulation of Non responder cases in Osteoarticular Tuberculosis** at Association of Spine Surgeons of India, Section Meeting, 49th Annual Conference of Indian Orthopaedic Association, Agra, India, 16th– 21st December 2004.
182. **Paediatric fracture neck femur,** 23rd Annual Conference of MP Chapter Indian Orthopaedic Association, Ujjain, India, 9th-10th October 2004.
183. A Typical Acute Exudative Presentation of **Osteoarticular Tuberculosis in 23 HIV Negative Patients - "Not So Cold Abscess".** Symposium on **"TB - Diagnosis and treatment"**. 14th Triennial Congress of Asia Pacific Orthopaedic Association, Kuala Lumpur, Malaysia, 5th-10th September 2004.

184. **Assessment of Cellular Immune Profile in Osteoarticular Tuberculosis and Evidence Based Immunopotential of Non-Responder Patients.** Symposium on "TB - Diagnosis and treatment".14th Triennial Congress of Asia Pacific Orthopaedic Association, Kuala Lumpur, Malaysia, 5th-10thSeptember 2004.
185. **Septic arthritis of the hip in 73 children.** 14th Triennial Congress, Asia Pacific Orthopaedic Association,Kuala Lumpur, Malaysia, 5th-10thSeptember 2004.
186. **Tuberculosis of long bones: A report of 43 cases.** 14th Triennial Congress, Asia Pacific Orthopaedic Association,Kuala Lumpur, Malaysia, 5th-10thSeptember 2004.
187. **Tuberculosis of shoulder: A study of 27 cases.** 14th Triennial Congress, Asia Pacific Orthopaedic Association,Kuala Lumpur, Malaysia, 5th-10thSeptember 2004.
188. **Tuberculosis of foot in 37 cases (excluding calcaneum).** 14th Triennial Congress, Asia Pacific Orthopaedic Association,Kuala Lumpur, Malaysia, 5th-10thSeptember 2004.
189. **Tuberculosis of ankle: A report of 29 cases.** 14th Triennial Congress, Asia Pacific Orthopaedic Association, Kuala Lumpur, Malaysia, 5th-10thSeptember 2004.
190. **Long term outcome in 67 children femoral neck fractures.** 14th Triennial Congress, Asia Pacific Orthopaedic Association, Kuala Lumpur, Malaysia, 5th-10thSeptember 2004.
191. **Osteoarticular Tuberculosis.** 77 Japanese Orthopaedic Association Congress, Kobe Japan, 18th-21st May 2004.
192. **Paediatric Hip Fractures.** The Tenth National Conference of Paediatric Orthopaedic Society of India, 2004, Allahabad, India, 19th February 2004.
193. **Osteoarticular Tuberculosis.** The Tenth National Conference of Paediatric Orthopaedic Society of India, POSICON 2004, Allahabad, India, 21st-22nd February 2004.
194. **Immunological aspects in Osteoarticular Tuberculosis,** 10th National Conference of Paediatric Orthopaedic Society of India, Allahabad, India, 21st-22nd February 2004.
195. **Complications of Femoral Neck Fractures observed on long-term follow-up,** Annual Conference of Delhi Orthopaedic Association, Delhi, India, 9th-11th January 2004.
196. Indo-German Gold Medal 2003
197. **Decal Bone, CME on Repair and Regeneration of Bone,** Annual Conference of Delhi Orthopedic Association, Delhi, India, 4th-5thJanuary 2003. **Decal Bone, CME on Repair and Regeneration of Bone,** Annual Conference of Delhi Orthopedic Association, Delhi, India, 4th-5th January 2003.
198. **Long-term results of fracture neck femur in children.** 1st Trauma Conference of Trauma Section of Asia Pacific Orthopedic Association, Coimbatore, April 2003.
199. **Pharmacotherapy of Cerebral Palsy (Medical Treatment – Drugs + Botulinum Toxin),** IOACON 2002, 47th Annual Conference of Indian Orthopedic Association, Patna, India, 12th-17th November 2002.
200. **Long-term outcome in 63 childhood femoral neck fractures,** 47th Annual Conference of Indian Orthopaedic Association, Patna, India, 12th-17th November 2002.
201. **Enhancement of Fracture Healing.** Combined Orthopedic Meeting of Singapore Orthopedic Association and Paediatric, Spine, Trauma and Sports Medicine Sections of Asia Pacific Orthopedic Association, Singapore, October 2002.
202. **Tuberculosis of shoulder.** XXII SICOT Triennial World Congress at San Diego, USA, August 2002.
203. **Tuberculosis of Wrist.** XXII SICOT Triennial World Congress at San Diego, USA, August 2002.
204. **Tubercular Osteomyelitis of Long Bones.** XXII SICOT Triennial World Congress at San Diego, USA, August 2002.
205. **Tuberculosis of ankle.** XXII SICOT Triennial World Congress at San Diego, USA, August 2002.

206. **Tuberculosis of foot (Excluding Calcaneum).** XXII SICOT Triennial World Congress at San Diego, USA, August 2002.
207. **Fracture neck femur in children.** XXII SICOT Triennial World Congress at San Diego, USA, August 2002.
208. **Tuberculosis of Calcaneum – A report of 42 cases.** World Orthopedic Concern Meet at San Diego, USA, August 2002.
209. **Paediatric femoral neck fractures,** 8th Annual Conference of Paediatric Orthopedic Society of India, Delhi, India, 23rd-24th March 2002.
210. **Optimizing results of lateral condylar fractures of humerus in children,** 8th Annual Conference of Paediatric Orthopedic Society of India, Delhi, India, 23rd-24th March 2002.
211. **Local platelet concentrate enhancement in fracture healing,** 26th Annual Conference, UP Chapter, Indian Orthopaedic Association, UP ORTHOCON 2002, Ghaziabad, India, 9th-10th February 2002.
212. **Enhancement of Fracture Healing by Autogenous Platelet Concentrate,** Annual Conference of Delhi Orthopaedic Association, Delhi, India, 19th-20th January 2002.
213. Indian Orthopaedic Association, Dr. A.A. Mehta Gold Medal 2001.
214. DOACON 2001, Annual Conference of Delhi Orthopaedic Association.
215. **Enhancement of Fracture healing,** 46th Annual conference of Indian Orthopedic Association, Ahmedabad, India, 21st-23rd December 2001.
216. **Lateral condylar fractures of the humerus in children-A 13 year follow up study.** 13th Triennial Congress of Asia Pacific Orthopedic Association at Adelaide 2001, Australia, April.
217. **Tuberculosis of Calcaneum.** 13th Triennial Congress of Asia Pacific Orthopedic Association at Adelaide 2001, Australia, April.
218. **Tuberculosis of Hand (Excluding Wrist).** 13th Triennial Congress of Asia Pacific Orthopedic Association at Adelaide 2001, Australia, April.
219. **Tuberculosis of shoulder-A report of 19 cases.** 13th Triennial Congress of Asia Pacific Orthopedic Association at Adelaide 2001, Australia, April.
220. **Salmonella Osteomyelitis without any coexisting disease.** 13th Triennial Congress of Asia Pacific Orthopedic Association at Adelaide 2001, Australia, April.
221. **Tuberculosis of foot (Excluding Calcaneum)-A Report of 37 cases.** 13th Triennial Congress of Asia Pacific Orthopedic Association at Adelaide 2001, Australia, April.
222. **Tuberculosis of ankle.** 13th Triennial Congress of Asia Pacific Orthopedic Association at Adelaide 2001, Australia, April.
223. **Tuberculosis of elbow.** 13th Triennial Congress of Asia Pacific Orthopedic Association at Adelaide 2001, Australia, April.
224. **Tubercular Osteomyelitis of Long Bones- A report of 26 cases.** 13th Triennial Congress of Asia Pacific Orthopedic Association at Adelaide 2001, Australia, April.
225. **Tuberculosis of Wrist.** 13th Triennial Congress of Asia Pacific Orthopedic Association at Adelaide 2001, Australia, April.
226. **Estimation of rate of osteogenesis by tetracycline double labeling in intertrochanteric fractures of femur in different age groups and its correlation with radiological grading of osteoporosis,** Annual Conference of Delhi Orthopedic Association, Delhi, India, 19th-20th January 2001.
227. **Optimizing results of femoral neck fractures in children,** Annual Conference of Delhi Orthopedic Association, Delhi, India, 19th-20th January 2001.
228. **"Intramedullary Tuberculoma" and "Painful heel syndrome"** Lectures, Combined meeting of Neurosurgeons and Thrissur Orthopedic Club, Thrissur, India, 2001.

229. **"Septic Arthritis of hip and knee" Lecture**, Kerala Orthopedic Association - Continuing Orthopedic Education, Thrissur, India, 2001.
230. **"Lateral Condylar Fractures of the Humerus in Children" Lecture**, Annual Academic Conference of Indian Medical Association (ACADIMA), New Delhi, India, 20th-22nd October 2000.
231. **Complications of septic arthritis of hip in infancy and childhood**, 45th Annual Conference of Indian Orthopedic Association, Jaipur, India, 2000.
232. **Cubitusvarus - Monthly meeting of Delhi Orthopedic Association**, Delhi, 1998.
233. **"Bone Banking" anoration** delivered at S.M.S. Medical College and Hospital, Jaipur on its Golden Jubilee Year celebrations, Jaipur, India, 1997.
234. IGOF Indo German Orthopaedic Foundation attended the Hands on workshop on Hip and Knee Replacement, Ahmedabad, India, 27th -28th October 1996.
235. **Pelvic Fractures - Epidemiology and their Initial Management**: International Congress on Trauma & Anesthesia & Intensive Care, New Delhi, India, 1995.
236. **Cancellous Lag Screw Fixation of Lateral Condylar Fractures of the Humerus in Children** : IOA-CON 95 & B.J. Medical College, XXXX Annual Conference of Indian Orthopedic Association, Pune, India, 1995.
237. **Fracture Lateral Condyle of Humerus in Children - Fixation with AO Screw:X** Annual Conference of Rajasthan Ortho. Surgeons Association, Ajmer, India, 1995.
238. **Synovial Sarcoma - Unusual Presentation**: XXXX Annual Conference of Indian Orthopedic Association, 1995, Pune, India. Reincorporation of Long Diaphyseal Sequestrum in Chronic Hematogenous Osteomyelitis: XXXVII Annual Conference of Indian Orthopedic Association, Lucknow, India, 1992.
239. **Prevertebral Soft Tissue Space in Lateral X-Ray of Cervical Spine**, Significance & its Measurement in Indian Population: XXXVI Annual Conference of Indian Orthopedic Association, Madras, India, 1991.
240. **Prevertebral Soft Tissue Space in Lateral Roentgenogram of Cervical Spine**, Significance & its Measurement in Indian Population: Annual Conference of M. P. Chapter of I. O. A., Bhopal, 1991.
241. Department of Orthopaedic Surgery & Rehabilitation Research Centre, Dr. S.N. Medical College & M.G. Hospital, Jodhpur on January 30th & 31st 1988 under the auspices of Rajasthan Orthopaedic Surgeon's Association, workshop on Total Hip and Knee Replacement Surgery.

PUBLICATIONS IN JOURNALS

1. Aggarwal AN, Kini SG, **Arora A**, Singh AP, Gupta S, Gulati D. Rubber band syndrome-- high accuracy of clinical diagnosis. *J PediatrOrthop*. 2010 Oct-Nov;30(7)
2. Gulati D, Kumar S, **Arora A**, Aggarwal AN, Bhargava SK. Bone mineral density in young Indian adults with traumatic proximal femoral fractures. A case control study.. *ActaOrthop Belg*. 2010 Jun;76(3):335-40.
3. **Arora A**, Agarwal A. A survey of prescribing pattern for osteoarticular tuberculosis: Orthopaedic surgeons and infectious disease experts' perspective. *Indian J Tuberc*. 2009 Oct;56(4):201-5
4. **Arora A**, Agarwal A. A survey of prescribing pattern for osteoarticular tuberculosis: Orthopaedic surgeons and infectious disease experts' perspective. *In press*
5. **Arora A**, Agarwal A, Panos G, Mehra A. Musculoskeletal Training for Ortho paedists and Non Orthopaedists: Experiences in India. *Clinical Orthopaedics and Related Research* 2008; 466: 2350 - 9.

6. **Agarwal A, Arora A.** Neonate with calcinosis cutis following extravasation of calcium gluconate. Letter to the Editor. *J OrthopSci* 2008; 13: 576.
7. **Arora A, Agarwal A, Kumar S.** Variolosa Osteomyelitis. *J of OrthopSurg (Hong Kong)* In Press.
8. **Arora A, Nadkarni B, Dev G, Chattopadhyaya D, Jain AK, Tuli SM, Kumar S.** Osteoarticular tuberculosis: Use of immunomodulators as an adjunct to ant tubercular chemotherapy in clinically nonresponsive patients of osteoarticular tuberculosis. *J Bone Joint Surg Br.* 2006; 88-B: 264-69.
9. Kumar S, Agarwal A, **Arora A.** Skeletal tuberculosis following fracture fixation - a report of five cases. *J Bone Joint Surg Am.* 2006; 88:1101-6.
10. **Arora A.** Basic Science of Host Immunity in Osteoarticular Tuberculosis - A clinical Study. *Indian Journal of Orthopaedics* 2006;40(1):1-15.
11. **Arora A, Agarwal A, Kumar S.** Iatrogenic calcinosis cutis--a rare differential diagnosis of soft-tissue infection in a neonate: a case report. *J OrthopSurg* 2005 Aug;13(2):195-8.
12. Nadkarni B, **Arora A, Kumar S, Bhatia A.** Recurrent spinal meningioma: a case report with review of the literature. *J OrthopSurg* 2005;13(3):211-213.
13. Rathi V, Bhargava SK, **Arora A, Jain S.** Proteus Syndrome with recurrent clavicular fractures. *I J RadiolImag* 2003;13(3):285-9.
14. **Arora A, Agarwal A.** Dhaga Syndrome-A previously undescribed entity. *J Bone Joint Surg Br.* 2004 Mar; 86(2):282-4.
15. **Arora A, Agarwal A, Sharma JC, Kumar S, Kalla R.** Outcomes in paediatric femoral neck fractures. *Delhi Journal of Orthopaedics* 2004; vol.1 (1):25-49.
16. Agarwal A, **Arora A, Kumar S.** Habitual subluxation of shoulder in a child. *Delhi Journal of Orthopaedics* 2004; vol.1 (1):99-101.
17. **Arora A, Singh S.** Salmonella osteomyelitis in an otherwise healthy male. Successful outcome with conservative treatment. *J OrthopSurg* 2003 Dec; 11 (2):217-20.
18. Agarwal A, **Arora A.** Thenar Flap in Manual Workers a review of 18 cases. *Orthopaedic Journal of M.P. Chapter* Volume 12, No. 2, 2003.
19. Agarwal A, **Arora A.** Bilateral Femoral Shaft fracture and Intracapsular Neck Fractures- A Case Report. *Orthopaedic Journal of M.P. Chapter* 2003; 12(2):42-45.
20. Jain AK, Aggarwal PK, **Arora A, Singh S.** Behavior of the kyphotic angle in spinal tuberculosis. *IntOrthop* 2004 Apr; 28(2):110-4.
21. Chadha M, Balain B, Dhal A, Kumar S, **Arora A.** Isolated, closed rupture of the common femoral artery resulting from blunt trauma. *Arch Orthop Trauma Surg* 2003; 123(5): 245-261.
22. Singh S, Dhammi IK, **Arora A, Kumar S.** Unusually large solitary unicameral bone cyst: case report. *J OrthopSci* 2003; 8(4): 599-601.
23. Singh S, Jain AK, **Arora A, Khanna J, Bhargava SK, Kumar S.** Estimation of rate of osteogenesis by tetracycline double labeling in intertrochanteric fractures of femur in different age groups and its correlation with radiological grading of osteoporosis. *J OrthopSci* 2002; 7: 226-231.
24. Dhammi I, **Arora A, Monga J.** Calcified thoracic intervertebral disc at two levels as a cause of midback pain in a child- a case report. *J OrthopSci* 2002; 7(5):587-589.
25. **Arora A, Kumar S, Agarwal P, Rao MR, Mathur NC, Kalla R, Kathju V, Sharma JC.** Lateral condylar fractures of the humerus in children-A 13 year follow up study. *J Bone Joint Surg Br.* 2001; 83 (supp IV); 401.
26. **Arora A, Kumar S, Dhami I, Verma K, Nadkarni B.** Tuberculosis of hand (excluding wrist). *J Bone Joint Surg Br.* 2001; 83 (supp IV); 423.

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48. **Arora A. Editorial** Functioning, Disability and Health. *Delhi Journal of Orthopaedics* 2005;2(1):1-3.
49. **Arora A. Editorial** The art of scientific communication. *Delhi Journal of Orthopaedics* 2004; 1(1):1-4.

PUBLICATIONS IN NATIONAL TEXT BOOK

(Official Text Book of Orthopaedics by Indian Orthopaedic Association)

- (1) **Arora A.** Pediatric Femoral Neck Fractures. In: Kulkarni GS, editor. **Textbook of Orthopedics and Trauma.** 2nd Edition. Delhi: Jaypee Brothers Medical Publishers (P) Ltd; (In Press).
- (2) **Arora A.** Metallurgy and Implants in Orthopaedic Practice. In: Kulkarni GS, editor. **Textbook of Orthopedics and Trauma.** 2nd Edition. Delhi: Jaypee Brothers Medical Publishers (P) Ltd; (In Press).
- (3) Agarwal A, **Arora A.** Growth Factors and Fracture Healing. In: Kulkarni GS, editor. **Textbook of Orthopedics and Trauma.** 2nd Edition. Delhi: Jaypee Brothers Medical Publishers (P) Ltd; (In Press).
- (4) **Arora A,** Kumar S. Cerebral Palsy. In: Kulkarni GS, editor. **Textbook of Orthopedics and Trauma.** Delhi: Jaypee Brothers Medical Publishers (P) Ltd; 1999. p. 3498-3559.
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- (7) **Arora A.** Neglected Lateral Condylar Fractures in Children. In: Jain AK, Kumar S eds. A Textbook of Neglected Trauma. Delhi: Jaypee Brothers Medical Publishers (P) Ltd.; In *Press*.
- (8) **Arora A.** Neglected Femoral Neck Fractures in Children. In: Jain AK, Kumar S eds. A Textbook of Neglected Trauma. Delhi: Jaypee Brothers Medical Publishers (P) Ltd.; In *Press*.
- (9) **Arora A.** Functioning, Disability and Health. In: Ghai OP, Gupta P, eds. *Textbook of Preventive and Social Medicine.* 2nd Edition. Delhi: Jaypee Brothers Medical Publishers (P) Ltd; 2007.p. 507-533.
- (10) **Arora A.** Orthopaedic Infections. In: Dhillon MS, ed. **Emergency Management of Orthopaedic Problems.** Delhi: Jaypee Brothers Medical Publishers (P) Ltd.; In *Press*.

- (11) **Arora A.** Orthopedic Conditions.
(Having chapters on)
- Fractures and Dislocations
 - Acute Care of Polytrauma
 - Septic Arthritis
 - Acute Osteomyelitis
 - Osteoarthritis
 - Rheumatoid Arthritis
 - Rickets and Osteomalacia
 - Lumbar Spondylosis
 - Cervical Spondylosis

In: Sharma S, Sethi GR, Gulati RK, eds. *Standard Treatment Guidelines*. 2nd Edition. New Delhi: Delhi Society for Promotion of Rational Use of Drugs (Developed under: **WHO - India Program on Essential Drugs**), 2005. p. 363-373.

- (12) **Arora A,** Gupta P. Orthopaedic Nursing. In: Gupta P, ed. Paediatric Nursing. 2nd Edition. New Delhi: Vikas Publications (P) Ltd.; 2004. p. 345-67.
- (13) Sharma JC, **Arora A,** Gupta SP. Tuberculosis of bones and joints. In: Sharma VK, ed. *Textbook of Tuberculosis*. Jaipur: Nand Offset; 1996. p. 20.1-20.20.

OTHER PUBLICATIONS

- (14) **Arora A.** Orthopaedics Today: Where do we stand, Where to go. ACADIMA 2000. Academic Conference of Indian Medical Association, 19-22 October 2000, New Delhi.
- (15) **Arora A.** Septic Arthritis of Hip and Knee in children – Current Concepts in Booklet on Infection for New Millennium in Orthopaedics by Kerala Orthopaedic Association, 7 October 2001, Thrissur.

EDITOR / REVIEWER / OTHERS

(i) **Editor – Delhi Journal of Orthopaedics**

Was Nominated as Editor of Delhi Journal of Orthopaedics in January 2004 by Delhi Orthopaedics Association to revive the Journal. The Editorial board consists of National and International Reviewers. The Journal is published twice a year in January and July.

- (ii) **Section Editor – Basic Sciences in Orthopaedics** In: Kulkarni GS, editor. **Textbook of Orthopedics and Trauma**. Delhi: Jaypee Brothers Medical Publishers (P) Ltd; 2014. **Official Text Book of Orthopaedics of Indian Orthopaedic Association**

(iii) **Reviewer of Indexed Journals**

- **Journal of Bone and Joint Surgery (British)**
- **Clinical Orthopaedics and Related Research**
- **Journal of Post-Graduate Medicine.**
- **Indian Paediatrics**
- **Journal of Orthopaedic Surgery (Hong Kong)**
- **Indian Journal of Orthopaedics**

(v) **Independently reviewed** all 4 volumes of **Text Book of Orthopaedics and Traumatology, an official publication of Indian Orthopaedic Association.** Acknowledged by the Editor, Prof G S Kulkarni, in the preface of text book. **Official Text Book of Orthopaedics of Indian Orthopaedic Association**

Organisation of Educational Activities

International Level Educational Activity Organised

- **ORGANISING SECRETARY** – Golden Jubilee Congress of **Asia Pacific Orthopaedic Association**, 3-6 October 2012, Delhi
www.apoa2012.com
- **ORGANISING SECRETARY** – Inaugural Musculoskeletal Infection Section Conference of **Asia Pacific Orthopaedic Association**, 25,26,27 August 2006, Khajuraho, India
- **Convener** - Indo U K Symposium , 4 February 2007, New Delhi.

Organization of National Level Educational Activities

- **Member** - Scientific Committee, Annual Conference of Indian Orthopaedic Association, 2006.
- **Chairman**- Accommodation Committee, Annual Conference of Indian Orthopaedic Association, 2006.
- **Convener** - Souvenir Committee, Annual Conference of Indian Orthopaedic Association, 2006.
- **Co-Convener** - Workshop on Osteosynthesis, 51st annual Conference of Indian Orthopaedic Association, IOACON 2006, New Delhi.

• **Joint Organizing Secretary** of the following conferences / Meetings:

- Continuing Medical Education Course of Orthopaedic Research Education Foundation – India (OREF - INDIA), 18-21 September 2003.
- Continuing Medical Education Course on Bone Regeneration and Repair, Delhi Orthopaedic Association, 3 January, 2003, New Delhi.
- Annual Conference of Delhi Orthopaedic Association, 4-5 January 2003.
- Midterm symposium of Delhi Orthopedic Association on Deformity Correction, 17 August 2000, Delhi

Research Works – Supervised as Guide

(i) Submitted to University of Delhi

- A Randomised Controlled Trial to compare cementation with finger packing and gun method in cases of hip arthroplasty
- A Randomised Controlled Trial of Primary Valgus Osteotomy and Cancellous Screw Fixation for Femoral Neck Fractures in 20-50 years age group, April 2007.
- Cell and Cytokine Analysis in Patients of Osteoarticular Tuberculosis, April 2005.
- Bone Mineral Density and Rate of Neo-Osteogenesis Assessment in 20-40 Years of Age with Traumatic Proximal Femoral Fractures, April 2004.
- Clinico-radiological Assessment of Partial Decalcified Bone Alloimplants in Musculoskeletal Disorders, April 2002.
- CD4 and CD8 T Lymphocyte Cell Profile in Osteoarticular Tuberculosis, April 2000.
- Estimation of Rate of Osteogenesis by Tetracycline Double Labeling in Intertrochanteric Fractures of Femur in Different Age Groups and its Correlation With Radiological Grading of Osteoporosis, April 2000.
- Behavior of Kyphus Angle in Tuberculosis of Spine by Different Treatment Modalities, April 1999.

(ii) Submitted to National Board of Examinations

- Cytokine Profile (IL-1, IL-2 and IL-10) of patients with Musculoskeletal Tuberculosis, June 2004.

National Gold Medal – Awarded to my Postgraduate

My postgraduate student, Dr Apurva Mehra, won National Gold Medal (PT Tejeshwar Rao Gold Medal) for Best Paper presented by a Postgraduate in the National Conference of Indian Orthopaedic Association, New Delhi, 2006.

Title: Septic Arthritis of hip – A study of 73 children.

Authors: Apurva Mehra, **Anil Arora**, Sudhir Kumar

PARTICIPATION IN SCIENTIFIC MEETINGS

- Participated in 20 International and about 100 National and Regional conferences and workshops.
- Chaired various sessions, participated as Faculty as well as Delegate.

External Examiner for MS (Orthopedics) to various Universities in India

Attended and has undergone training in **AO Basic Course**.

MEMBERSHIP OF SCIENTIFIC BODIES

- Indian Orthopaedic Association (Life Member).
- Indian Arthroplasty Association
- Asia Pacific Orthopedic Association (Life Member).
- Knee Section – APOA.
- Hip Section – APOA.
- North Zone Orthopedic Association (Life Member).
- Delhi Orthopaedic Association (Life Member).
- Rajasthan Orthopedic Association (Life Member).
- Indo-German Orthopedic Foundation (Life Member).
- World Orthopedic Concern (Life Member).
- International Bone and Joint Tuberculosis Club (Life Member).
- Association of Hand and Micro surgeons of India (Life Member).
- Trauma Society of India.
- Bombay Orthopaedic Society