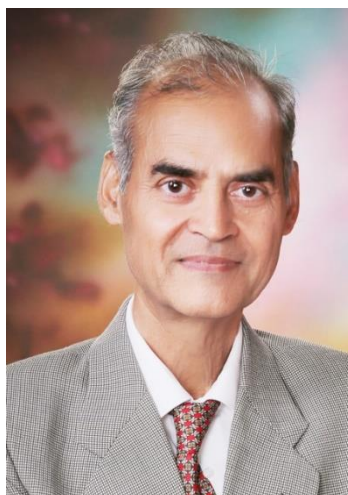


## Curriculum Vitae



NAME	Prof. (Dr) Manoj Kumar
DATE OF BIRTH	19-08-1956
EDUCATIONAL QUALIFICATION	M.B.B.S. - 1979. Medical College Rohtak, Haryana. M.S. (Orthopaedic Surgery) - 1984. Medical College Rohtak.
ADDITIONAL QUALIFICATION	D.N.B. (Orthopaedic Surgery) - 1987. National Board of Examinations, New Delhi.
PRESENT POSITION	Director Professor of Orthopaedic Surgery
INSTITUTIONAL ADDRESS	Dept. of Orthopaedic Surgery, Maulana Azad Medical College and Lok Nayak Hospital, New Delhi.
ADDRESS FOR COMMUNICATION	D II/10, Kidwai Nagar West, New Delhi – 110023.
EMAIL ADDRESS	drmanojkumar1908@gmail.com
FIELD OF WORK	Orthopaedic Surgery
TEACHING EXPERIENCE	Teaching Experience as Faculty member = 31 years. (1990 – 2021). 1990-2003 - UCMS and GTB Hospital, New Delhi as Assistant Professor, Associate Professor and Professor 2003-2008 - VMMC and Safdarjung Hospital, New Delhi as Professor 2008 – 2021 - MAMC and Lok Nayak Hospital, New Delhi as Director Professor. 1986-1989 – Senior Resident (SR) from JIPMER, Pondicherry = 3 Years 1989-1990 – CSIR Scientist Pool Officer at Central Institute of Orthopaedics in VMMC and Safdarjung Hospital = 1 year and 7 months Total Post-PG Teaching Experience: 31 + 3 + 1.7 = 35.7 Years.

PhD/ POST-GRADUATE THESIS GUIDE	Between 1994 to 2019: I have guided 29 Master of Surgery (M.S. Orthopaedics) Theses of University of Delhi and Indraprastha University, New Delhi. Of these, I was Principal Guide/Supervisor in 20 Theses and Co- Supervisor in 9 Theses.
RECOGNITION AS SUPERVISOR TO GUIDE POST GRADUATE THESIS AT UNIVERSITY OF DELHI	Since 1995 vide letter No. FM/BRS/SUPER/RECOG/94/2071 dated 03-01-1995, University of Delhi, Faculty of Medical Sciences.
RECOGNITION AS PROFESSOR/ASSOCIATE/ASSISTANT PROFESSOR AT UNIVERSITY OF DELHI	Since 2001 As Reader vide letter No. DO/CB –/2001/4354 dated 03/08-05-2001, University of Delhi, Faculty of Medical Sciences.
ACTIVITIES RELATED WITH TEACHING AND RESEARCH ORIENTATION:	New surgical techniques, new devices and other innovations in Orthopaedics described by me are listed below:
NEW SURGICAL TECHNIQUES, NEW DEVICES AND INNOVATIONS IN ORTHOPAEDICS DESCRIBED BY ME:	<p><b>New Surgical Techniques (Published):</b></p> <ol style="list-style-type: none"> <li>1. A new surgical technique for correction of complex multiplanar elbow deformities: Techniques in Hand &amp; Upper Extremity Surgery Volume 25, Number 2, 123-126, June 2021.</li> <li>2. A new surgical technique of muscle pedicle bone graft for osteonecrosis of femoral head. Techniques in Orthopedics, 2021 doi: 10.1097/BTO.0000000000000521 [published ahead of print]</li> </ol> <p><b>New/Modified Surgical Techniques which I have been practicing for years but have not been submitted for publication yet:</b></p> <ol style="list-style-type: none"> <li>3. A new surgical technique for anterolateral decompression of spine in tuberculous paraplegia. Submitted for publication.</li> <li>4. A new surgical technique for modified Dunn's procedure in slipped capital femoral epiphysis. Unpublished.</li> <li>5. A new surgical technique for lengthening of neck of femur in Choi type IV-A sequelae of septic arthritis of hip in children. Unpublished.</li> <li>6. A new surgical technique for open reduction of congenital dislocation of hip in older children where Innominate bone osteotomy is required. Unpublished.</li> <li>7. A new 'Universal Surgical Approach to Hip. Unpublished.</li> </ol> <p><b>New Devices (Published):</b></p> <ol style="list-style-type: none"> <li>1. A new device for in-situ tensioning of Ilizarov wires: Journal of Japanese Paediatric Orthopaedic Association, Volume 9, No. 2, S52, 2000.</li> </ol>

	<p>2. A new drug eluting cage for bridging large gap after removal of infected endoprosthesis in limb salvage surgery. Unpublished.</p> <p>New Clinical Test:</p> <p>1. A modification of straight leg raising test – a root stretch test for diagnosing PIVD. Unpublished.</p>
<p>LIST OF VARIOUS PROFESSIONAL BODIES/ASSOCIATIONS OF WHICH I AM A 'LIFE MEMBER':</p>	<ol style="list-style-type: none"> <li>1. IOA (Indian Orthopedic Association) LM 3818</li> <li>2. DOA (Delhi Orthopedic Association) LM</li> <li>3. WOC India (World Orthopedic Concern) LM 363</li> <li>4. ASSI (Association of Spine Surgeons of India) LM 548</li> <li>5. IAA (Indian Arthroplasty Association) LM 257</li> <li>6. IAS (Indian Arthroscopy Society) LM 2165</li> <li>7. POSI (Pediatric Orthopedic Society of India) LM 322</li> <li>8. ICS (Indian Cartilage Society) LM 91</li> <li>9. BPSGI (Brachial Plexus Surgery Group of India). LM. Vide Receipt No.160 dated 07-07-2015.</li> <li>10. IFAS (Indian Foot and Ankle Society). LM. Vide Receipt No. 065 dated 16-07-2016.</li> <li>11. DMA (Delhi Medical Association). LM. EDB-9294.</li> <li>12. DMC (Delhi Medical Council) Registration No. 10285.</li> </ol>
<p>LIST OF VARIOUS UNIVERSITIES AND MEDICAL INSTITUTIONS WHERE I FUNCTIONED AS A POST-GRADUATE EXAMINER (EXTERNAL/INTERNAL) FOR M.S./DNB ORTHOPAEDICS EXAMINATIONS:</p>	<ol style="list-style-type: none"> <li>1. University of Delhi and its affiliated Medical colleges.</li> <li>2. All India Institute of Medical Sciences, New Delhi.</li> <li>3. Indraprastha University, New Delhi and its affiliated medical colleges.</li> <li>4. Punjab University, Chandigarh and its affiliated medical colleges.</li> <li>5. Maharshi Dayanand University, Rohtak, Haryana and its affiliated medical colleges.</li> <li>6. National Board of Examinations, New Delhi and its affiliated institutions.</li> <li>7. Devi Ahilya Bai University, Indore and its affiliated medical colleges.</li> <li>8. Barkatulla University, Bhopal and its affiliated medical colleges.</li> <li>9. Andhra Medical College, Vishakhapatnam.</li> <li>10. MGM Institute of Health Sciences, Deemed University, Aurangabad.</li> <li>11. Sri Satya Sai Institute of Higher Medical Sciences, Puttaparthi, Ananthpuramu, A.P.</li> </ol>

	<p>12. Himachal Pardesh University. Indira Gandhi Medical College, Shimla.</p> <p>13. Delhi Pharmaceutical Sciences and Research University, New Delhi 110017.</p> <p>14. Himalayan Institute of Medical Sciences, Jolly Grant, Rishikesh.</p>
LIST OF VARIOUS INSTITUTIONS WHERE I FUNCTIONED AS A SUBJECT EXPERT FOR THE RECRUITMENT OF FACULTY:	<ol style="list-style-type: none"> <li>1. JIPMER, Pondicherry.</li> <li>2. AIIMS, Mangalgi.</li> <li>3. Andaman Nicobar Institute of Medical Sciences.</li> <li>4. NEIGRIHMS, Shillong through teleconferencing from SCOPE, New Delhi.</li> <li>5. Safdarjung Hospital, New Delhi.</li> </ol>
RESPONSIBILITIES AT PRESENT POSITION IN MY INSTITUTE:	<ul style="list-style-type: none"> <li>• Unit Head (Clinical, Surgical and Administrative Responsibilities).</li> <li>• Surgical Teaching and Training of postgraduate (M.S.Orthopaedics) students.</li> <li>• Undergraduate teaching and training</li> <li>• Theses Research Projects.</li> <li>• Organization and participation in various conferences and teaching programs that my department organizes.</li> <li>• Chairman / member of various committees within the hospital.</li> <li>• Subject Expert on SEC Committees of Drug Controller General of India from time to time.</li> <li>• Attending various meetings at Delhi Secretariat and Min. H&amp;FW, Nirman Bhawan, New Delhi.</li> </ul>
SCIENTIFIC PAPER PRESENTATIONS AT INTERNATIONAL CONFERANCES/ FOREIGN UNIVERSITIES/ HOSPITALS:	<ol style="list-style-type: none"> <li>1. 1996 - Houston, Texas.</li> <li>2. 2000 -Yokohama, Japan</li> </ol>
PUBLICATIONS IN LAST 3 YEARS	<p>Arora S, Kumar M, Khan Y, Bansal N, Gupta S, Talwar J, Kumar V, Maini L. Spontaneous subcapital femoral neck fracture complicating osteonecrosis of femoral head. Acta Orthop Belg. 2021;87:25-34.</p> <p>2. Krishna A, Arora S, Goyal R, Kumar M, Naik N, Kumar M. The preventable iatrogenic cause of foot-drop in knee injuries with literature review. Chin J Traumatol. 2021 <a href="https://doi.org/10.1016/j.cjtee.2021.06.005">https://doi.org/10.1016/j.cjtee.2021.06.005</a> [published ahead of print]</p> <p>3. Krishna A, Kumar M, Singh P, Gupta V, Arora S. Shortening dome osteotomy for correction of</p>

	<p>complex multiplanar elbow deformities: a new surgical technique. Tech Hand Upper Extremity Surg. 2021;25(2):123-6.</p> <p>4. Krishna A, Kumar M, Yadav R, Mehta R, Arora S. Rectus Femoris based muscle pedicle bone graft for osteonecrosis of femoral head: a new surgical technique. Tech Orthop. 2021 doi: 10.1097/BTO.0000000000000521 [published ahead of print]</p>
PUBLICATION AND PRESENTATION/ RESEARCH PROJECTS HANDLED	A detailed list of academic activities older than three years can be obtained from: manojkumar.acad@gmail.com
MCI AND NATIONAL BOARD OF EXAMINATION (NBE) ASSESSOR FOR THE RECOGNITION OF ORTHOPAEDIC DEPARTMENTS AT VARIOUS INSTITUTIONS THROUGHOUT THE COUNTRY FOR POST GRADUATE TEACHING AND TRAINING:	I have been regularly carrying out MCI / NMC and National Board of Examination, New Delhi (NBE) mandated inspections of various Orthopaedic departments and examination centres for recognition of the department and Master Degree Programmes on many occasions.
AREAS OF SPECIAL CLINICAL AND SURGICAL INTEREST	<p>I am primarily a general orthopaedic surgeon with special interest in the following areas:</p> <ol style="list-style-type: none"> <li>1. Reconstruction of the adult and paediatric hip.</li> <li>2. Degenerative, infective and traumatic conditions of thoracic and lumbar spine.</li> <li>3. Degenerative disorders of knee.</li> <li>4. Distraction osteogenesis for bone transport, limb length discrepancies and deformity correction using Ilizarov or mono-rail devices.</li> <li>5. Limb salvage surgery for neoplastic conditions of extremities.</li> <li>6. Neglected trauma.</li> </ol>

<p>PRIORITY AREA FOR RESEARCH DEVELOPMENT:</p>	<ol style="list-style-type: none"> <li>1. The scientific community is seized of the intrigue of <b>cartilage regeneration</b> for long now. The contemporary research in this area hasn't yielded any breakthrough success so far. The need for out-of-box and lateral thinking is quite, but obvious. It is in pursuit of this cause that I feel naturally drawn towards exploring solutions in alternative systems of medicine, particularly the literary and clinical research into the very rich but still untapped strategies and principles of Ayurveda with specific reference to Dhatu Siddhant (theory of tissue formation and differentiation), Asthi Dhatu Kshaya (depletion of bone tissue) and Rasayana (rejuvenation therapy). Therefore, the focus of my current enquiry is on joint preservation surgery and strategies to find solutions to mitigate, if not fully regenerate, the degenerated cartilage in grade I, II, and III osteoarthritis of knee joint by employing contemporary techniques and ancient wisdom.</li> <li>2. Having practiced modern system of medicine for 41 years after obtaining my MBBS degree, out which 31 years as faculty in the department of Orthopaedic surgery at various premier teaching institutions of the country, I have known the strengths and weaknesses of this system, particularly as it pertains to the discipline of orthopaedic surgery. It is on the strength of this experience that I feel that both the modern and ancient (Ayurvedic) systems of medicines in our country can mutually complement each other by filling the knowledge gaps in each stream by gainfully engaging themselves in collaborative research projects in the fields of basic and clinical research. Guided by this observation, born out of my life long experience as a clinician and a surgeon, that I seek opportunities for collaborative research with Ayurvedic Institutes / hospitals of repute and standing.</li> </ol>
<p>CURRENT RESEARCH PROJECTS AT ALL INDIA INSTITUTE OF AYURVEDA, NEW DELHI.</p>	<p>A controlled clinical study to evaluate the efficacy of Murivenna kwath iontophoresis, normal saline iontophoresis, Murivenna kwath parishek and the standard allopathic treatment in the management of Vata Kantaka w.s.r. Plantar Fasciitis. (Year 2019-2021, associated as co-guide).</p>