

BRIEF RESUME OF PROF. RAJESH MALHOTRA

Name: PROF. RAJESH MALHOTRA
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PROFESSIONAL QUALIFICATION

Degree	Institution	Year
Bachelor of Medicine and Bachelor of Surgery (MBBS)	All India Institute of Medical Sciences (AIIMS), New Delhi, India	1984
Master of Surgery (MS Orthopaedics)	All India Institute of Medical Sciences (AIIMS), New Delhi, India	1988
Fellow of International Medical Sciences Academy (FIMSA)	International Medical Sciences Academy	2010
Fellow of Royal College of Physicians and Surgeons (FRCS)	Royal College of Physicians and Surgeons of Glasgow, UK	2012
Member of National Academy of Sciences (MNASc)	The National Academy of Sciences, India	2012
Fellow of American College of Surgeons (FACS)	American College of Surgeons	2013
Fellow of International College of Surgeons (FICS)	International College of Surgeons	2015

SPECIAL TRAINING

Subject	Year	Institution/Venue
A.O. (Basic Course)	March 1997	New Delhi
A.O. (Advance Course)	Feb 2000	Ahmedabad
Fellowship in Primary and Revision Joint Replacement and Bone Banking	Jan 1998-Jan 1999	Princess Alexandra Hospital Brisbane, Australia
Johnson & Johnson and Roaf Fellowship	Nov.- Dec. 2000	Indian Orthopaedic Association
Napean Course on Hip & Knee Joint Replacement	March 2002	Napean Institute of Joint Replacement, Penrith, NSW, Australia
AO Fellowship (Trauma and Reconstructive Surgery)	Oct. ó Nov. 2005	Universitätsklinik Ulm, Germany Under Prof. L Kinzl, Ärztlicher Direktor
AO Tips for Trainers Course AO Education	Feb. 8-9, 2007	Hotel The Metropolitan (Nikko), New Delhi
Ranawat Fellowship	May 16- Aug.14, 2008	Hospital for Special Surgery & Lenox Hospital, New York, USA
Indo British Travelling Fellowship (Senior)	Sept. 13 ó 25, 2010	UK

CURRENT AFFILIATION

- **Professor & Head** of Orthopaedics at All India Institute of Medical Sciences, New Delhi
- **Chief**, J P N Apex Trauma Centre, AIIMS, New Delhi
- Associated with establishment, and, In charge of the only cadaveric Bone Bank in India at AIIMS

INTERNATIONAL COLLABORATIONS

- **MTU (Michigan Technology University)** Design of a low cost, low energy consuming Reciprocating Gait Orthosis (RGO) suitable for the handicapped in Indian population- Design used successfully in Indian patients since May 2011. RGO was selected for exhibition during “**Innovations in Medical Science and Biotechnology**” held at **Rashtrapati Bhavan (President House)** on 11th March 2015.
- * **MTU (Michigan Technology University)** Design of a low cost, energy efficient pneumatic prosthetic knee joint.
- * **Oxford University (DST/UKIERI)** for collaboration on Safety, Suitability and Clinical Effectiveness of Unicompartmental Knee Replacement in the Indian Population 2014.
- * **Award the Prestigious DST/UKIERI** award for collaboration on “Understanding differences in the patterns of osteoarthritis in Indian and Western population: Impact on symptoms, treatment options and their outcome” 2017.

AWARDS

- Awarded the prestigious “**B C Roy National Award**” for the year 2014 in the category “to recognize the merit of an Eminent Medical Teacher”.
- Awarded the “**Chikitsa Shiromani Puraskar**” for Enhancing the Image of India in Medical Sciences by the Governor of Sikkim Dr. Bir Singh on 26th Nov. 2011 at New Delhi, during the seminar on “Current Economic Scenario” organized by Institute of Economic Studies.
- Awarded **KT Dholakia Award** for the best paper presentation in Arthroplasty for “Recurrent Spontaneous Hemarthrosis Following Total Knee Arthroplasty Due to Isolated PF3 Availability Defect” Presented at Hyderabad ROC (Ranawat Orthopaedic Center) fourth Winter Meeting on Feb 16-18, 2006.
- Awarded **KT Dholakia Award** for the best paper award in Arthroplasty for “simultaneous versus staged Total Hip Arthroplasty” Presented at Mumbai ROC (Ranawat Orthopaedic Center) sixth Winter Meeting on Jan 20-22, 2007.

AWARDS (contd.)

- Awarded the **Best Research Award** for the paper "A Prospective Randomized Study to Compare Systemic Emboli Using the Computer-Assisted Vs Conventional Techniques of Total Knee Arthroplasty" during the 12th Winter Meeting of Ranawat Orthopaedic Research Foundation 2014 at New Delhi.
- Awarded "AIIMS Excellence Research Award 2016" for the paper entitled: "A prospective randomized study to compare the systemic emboli in computer assisted navigation Vs conventional surgical technique of total knee replacement" under Clinical and Research Category by the All India Institute of Medical Sciences during the "AIIMS Diamond Jubilee Foundation Day Celebration" on September 25th 2016, at AIIMS, New Delhi.
- **Welcome Trust DBT India Alliance award for Clinical Research Training Fellowship as a Principal Supervisor**

MEMBERSHIP PROFESSIONAL BODIES

- **Life Member**
 - Indian Orthopaedic Association (LM - 2231)
 - Delhi Orthopaedic Association.
 - Indian Society for Emergency Medicine
 - AIIMS Alumni (AIIMSONIAN)
 - Indian Society of Hip & Knee Surgeons
- **Member**
 - AO Alumni, AO Alumni - Indian Chapter
 - AO Council (Education and Community Development) & Faculty in various AO Courses held in India.
 - Committee of Tele Medicine at AIIMS for Medical Education & Training
 - Indian Orthopaedic Research Collaborative and International Hip Fracture Research Collaborative (IHFRC)
 - Indian Medical Association (IMA)
 - National Academy of Science
 - Member of American Association of Hip and Knee Surgeons (AAHKS) 2015
 - Member for Global Association of Physicians of Indian Origin (GAPIO) 2017.
- **Executive Member** Delhi Orthopaedic Association (DOA) from 1995-1996, 1996-1997 & 1999-2000, 2008-2009. Vice president DOA 2009-2010, President DOA 2011-2012.
- Conducted several National Orthopaedic Quiz Contests (IOACON, ACADIMA).
- Executive Member IOA 2012.
- Chairman- Govt. Relations Committee. IOA 2014
- **Vice President, Indian Orthopedic Association, 2016-2017.**

Expert/Member International Task Forces/Consensus Groups

- **Member of Task Force for American Society for Bone & Mineral Research (ASBMR) Global Task Force on Secondary Fracture Prevention for Osteoporotic fractures**
- **Member of International Consensus Meeting in the field of Periprosthetic Joint Infections (ICPJI) organized by Musculoskeletal Infection Society (MSIS) in Philadelphia on August 2013**
- **Member Asia Pacific Advisory Board of Ortho hyper guide**
- **Member, Education Forum of Ortho hyper guide, Hong Kong**
- **Member of the Collaborative for the International Hip Fracture Research Collaborative (IHFRC), 2007**
- **Member Asia Pacific Revision Hip Advisory Board, China**
- **Member of the International Advisory Board of the Magazine “SKELETAL” AO International and Synthes Ltd. SKELETAL EDUCATION**
- **Special invitee, Board of Global Fragility Fracture Network (FFN Global)**
- **Invited to join as Member, American Association of Hip and Knee Surgeons (AAHKS)**
- **Expert for ONE KNEE VISION global project to innovate and design better knee replacement implants and instruments to benefit the large numbers of patients requiring knee replacement in India and the world over. Only a dozen topmost surgeons invited from all over the world- Only member from Asia Pacific region**
- **Member of an esteemed, multidisciplinary panel to contribute to a social initiative related to women’s health under International Menopause Society (IMS).**
- **Expert member for Global Burden of Diseases (GBD), India Musculoskeletal Disorders Expert Group**
- **Global Burden of Diseases (GBD), a comprehensive effort to measure epidemiological levels and trends worldwide led by the Institute for Health Metrics and Evaluation (IHME) at the University of Washington.**

Expert/Member National Task Forces/Consensus Groups

- **Expert member for the IMPRINT initiative a flagship national initiative of the MHRD, launched by the President, Prime Minister and Human Resource Minister of India**
- **Expert for Committee Constituted by Director, ICMR for selecting key innovations during “Innovations in Medical Science and Biotechnology” held at Rashtrapati Bhavan in 2015 & 2016**
- **Member of Advisory Group of ICMR for WHO-ICMR Task Forces on Osteoporosis, Road Traffic Injuries Surveillance, Normative laboratory parameters in India and Musculoskeletal Disorders in India. Member Golden Triangle Partnership Initiative**

- **Member of Expert Group for Department of Biotechnology (DBT) Task Force on Bioengineering**
- **Member of Expert Group for Department of Biotechnology (DBT) Task Force on Stem Cells and Regenerative Medicine**
- **Member of National Advisory Committee on Nano-Biotechnology in collaboration with Indian Institute of Technology (Mandi) and Society for Nano-Biotechnology**
- **Member Expert Group for Development of Regulation and Guideline for Food Fortification by the Food Safety and Standard Authority of India (FSSAI) set up by the Ministry of Health and Family Welfare, Government of India**
- **Consultant in the Expert Group Meeting for drafting National consensus development DVT prophylaxis Guidelines for Indian Patients**
- **Consultant in the Expert group for drafting National Consensus Development on Prevention of Fragility Fractures**
- **Expert member for development of Consensus Statement on Vitamin D**
- **Expert member in National Panel to draw guidelines for Role of exercises in prevention of osteoporotic fractures**
- **Expert member in National Panel to draw guidelines for Management of osteoporotic hip fractures**

PROFESSIONAL ACHIEVEMENTS

- **Best Paper Award for poster entitled “Our classification of protrusion acetabuli and an algorithm for surgical technique for dealing with the problem” presented at APOA 2016, Melbourne, Australia, 29 March- 1 April 2016.**
- **Best Paper Award - DOACON (Delhi Orthopaedic Association Conference 2015) awarded for publication - “A Prospective Randomized Study to Compare Systemic Emboli Using the Computer-Assisted and Conventional Techniques of Total Knee Arthroplasty”**
- **Distinction and Special Mention Award for the research paper “Microbiological Spectrum of prosthetic joint infection from a tertiary care hospital” presented during the 16th EFORT Congress at Prague from 27-29 May 2015.**
- **Prestigious Prof. K.S Bose Memorial Oration of West Bengal Orthopedic Association on “Challenges and Scope of Bone Banking in India“ during WBOA 2014, held on 8 February 2014 at Durgapur, West Bengal.**
- **CME Oration on “ Unicompartamental Replacement – the future of knee replacement in India” during WBOA 2014, held on 8 February 2014 at Durgapur, West Bengal.**
- **Past President Oration of Delhi Orthopedic Association “Professionalism in Orthopaedics” during annual conference held on 9-10 November 2013 at New Delhi.**

- **Awarded A K Saha Eponymous Lecture on “Osteoporotic Hip Fractures – Are we heading for disaster?” during the IOACON held at Chennai on Dec 12-16, 2012.**
- **Annual Oration of Baroda Orthopaedic Association on 8th November 2009 in Baroda for “Cadaveric Bone banking in India – the road travelled”.**

PUBLICATIONS

- 13 Books; 48 chapters in various national and International books
- Over 596 publications in various National and International Journals

Articles	339
Editorials	68
Abstracts	39
Publications in Year Book	2
Posters	100

- **Editor** - ORTHOPAEDICS TODAY - Orthopaedics Journal with nationwide circulation.
- **Review Referee** for several National & International Journals - Bone & Joint Journal, Knee, Clinical Anatomy, Pediatric Health, Neurology India, Indian Journal of Pediatrics, National Medical Journal of India, Indian Journal of Orthopedics, Indian Pediatrics, Journal of Arthroplasty, Journal of Knee Surgery
- Delivered over 620 **invited lectures**
- **Reviewer** for Applications for funding submitted to National Institute of Health Research and Research for Patient Benefit Program (NIHR & RFPB) of NHS, UK.

ONGOING RESEARCH PROJECT(S)

- **Principal Investigator** in Project “Safety Suitability and Clinical Effectiveness of Unicompartamental Knee Replacement in the Indian Population”. Funding (approximate Rs. 30 Lakhs) by DST under the UKIERI Initiative- Duration 2 years starting October 2014.
- **Principal Investigator** in Clinical Trial “Medication use patterns, Treatment satisfaction, And inadequate control of Osteoporosis Study (MUSIC): an Asia Pacific study of postmenopausal women treated for osteoporosis in clinical practice”. Funding by Merck for 1 year Rs.3,30,000.
- **Principal Investigator** in Clinical Trial “CV185-158: Phase IV, Open-Label, Multi-center Study to Evaluate the Safety of Apixaban in Indian Subjects Undergoing Elective Total Knee Replacement or Total Hip Replacement Surgery”. funded by Bristol-Myers Squibb India Pvt. Ltd for 3 Years Rs.3,30,000.
- **Principal Investigator** in the project “Comparison of yearly zoledronic acid Versus Weekly Alendronate in Preference, Convenience, compliance, persistence and Bone Turnover Markers in Indian Postmenopausal Osteoporotic Women”. duration 3 years (approximate Rs. 40 Lakhs) to ICMR.

- Principal Investigator in Clinical Trial ÷A multi-centre, prospective, uncontrolled post market clinical follow-up study (PMCFs) to monitor the survival and performance of the DeltaMotion Cup System in subjects requiring a total hip replacementö funded by Johnson & Johnson Medical India, Budget 15.50 Lakhs, duration 3 years.
- **Co- Principal investigator** in the project ÷To Evaluate the efficiency of a hip protector garment developed by IIT Delhiö in collaboration with Indian Institute of Technology, Delhi (IIT) funding by Department of Science & Technology (DST) 7.4.2010 ó 7.4.2013 (Rs. 90 Lakhs approx.-8.5 Lakhs for AIIMS).
- **Co-investigator** in the project ÷Comparison of Bone scan changes during and after treatment with Alendronate and Teriparatide for the treatment of osteoporosisö duration 3 years (approximate Rs. 40 Lakhs) to ICMR.