

CURRICULUM VITAE OF PROF. RAJ BAHADUR

NAME : RAJ BAHADUR

DATE OF BIRTH : JUNE 5TH, 1951

NATIONALITY : INDIAN

Passport No : G-1749463



PRESENT ADDRESS

Office : **Vice Chancellor (3rd Term)**
Baba Farid University of Health Science
Faridkot

Project Director & Member Secretary
Regional Spinal Injuries Centre,
Mohali.

Residence : H.No.5526, Sector 38-west,
Chandigarh- 160 023.

ACADEMIC QUALIFICATIONS

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| B.Sc. | 1970 | PUNJAB UNIVERSITY |
| M.B.B.S. | 1974 | HIMACHAL PRADESH UNIVERSITY, SHIMLA. |
| M.S. (Orth) | 1979 | BANARAS HINDU UNIVERSITY. |
| M.N.A.M.S.(I) | 1980 | NATIONAL BOARD OF EXAMINATION. |
| F.I.C.A. | 1981 | INTERNATIONAL COLLEGE, ANGIOLOGY (USA). |
| M.N.A.M.S. | 1997 | NATIONAL ACADEMY OF MEDICAL SCIENCES. |
| F.I.M.S.A. | 1998 | INTERNATIONAL MEDICAL SCIENCE ACADEMY. |

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| F.A.O.I. | 1999 | ST.JAMESUNIVERSITYHOSPITALLEEDS,UK UNDERINTERNATIONALAO,DAVOS(SWITZERLAND) |
| F.A.M.S. | 2005 | NATIONAL ACADEMY OF MEDICAL SCIENCES. |
| F I H E | 2006 | NATIONAL INSTITUTE OF HOSPITAL ENGINEER |
| F R C S | 2009 | GLASGOW, U K |
| F P A Sc | 2010 | ACADEMY OF SCIENCES (PUNJAB) |

PROFESSIONAL EXPERIENCE

1. **House Surgeon (Surgery)
HP Medical College & Snowdon
Hospital, Shimla. 01.01.1976 to 30.06.1976**
2. **House Surgeon (Orthopaedics),
H.P. Medical College & Snowdon
Hospital, Shimla. 01.07.1976 to 31.12.1976**
3. **Junior Resident-cum-Clinical Registrar,
Institute of Medical Sciences,
B.H.U., Varanasi. 01.01.1977 to 28.02.1979**
1. **Orthopaedic Surgeon,
Distt. Hospital, Kullu (H.P.) 01.03.1979 to 08.07.1979**
2. **Registrar in Orthopaedics,
Medical College & Hospital, Rohtak. 09.07.1979 to 02.11.1979**
3. **Senior Resident in Orthopaedics,
Postgraduate Institute of Medical
Education & Research, Chandigarh. 03.11.1979 to 31.12.1982**
4. **Registrar in Orthopaedics,
H.P. Medical College &
Snowdon Hospital, Shimla. 01.01.1983 to 24.07.1984**

5. **Assistant Professor in Orthopaedics, Jawaharlal Institute of Postgraduate Medical Education & Research, Pondichery.** 27.07.1984 to 23.08.1987
6. **Associate Professor in Orthopaedics, Jawaharlal Institute of Postgraduate Medical Education & Research, Pondichery.** 24.08.1987 to 23.11.1987
7. **Associate Professor in Orthopaedics, Central Institute of Orthopaedics, Safdarjang Hospital, New Delhi.** 24.11.1987 to 26.07.1992
8. **Professor in Orthopaedics & Head of Unit, Central Institute of Orthopaedics, Safdarjang Hospital, New Delhi.** 27.07.1992 to 05.10.1994
9. **Professor in Orthopaedics & Head of Unit, Maulana Azad Medical College & L.N. Hospital, New Delhi.** 06.10.1994 to 18.12.1995
10. **Professor & Head of Orthopaedics, Govt. Medical College & Hospital, Chandigarh.** 19.12.1995 to 22.1.2006
11. **Medical Superintendent cum Professor Hospital Administration** Dec. 2000 to April 2004
12. **Project Director, RSIC, Mohali** 2000 to continue
13. **Professor of Orthopaedics & Head of Unit, PGIMER, Chandigarh.** 23.1.2006 to 30.11.2007
14. **Director Principal, GMCH, Chandigarh** 01.12.2007 to 23.04.2013
15. **Professor & Head, Deptt. Of Orthopaedics PGIMER, Chandigarh** 23.04.2013 to 22nd Dec 2014
16. **Vice Chancellor, Baba Farid University of Health Science, Faridkot** 23rd Dec. 2014 to continuing

TEACHING : 39 years – from (1) to (16)

RESEARCH : 39 years – from (1) to (16)

ADMINISTRATION 27 years 3 months – from (6) to (15)

FIELD OF SPECIALIZATION

General Orthopedics Surgery, Orthopedic Education, Spinal surgery & joint Replacement

AS A SURGEON

In addition to develop general Orthopaedics, special interest in spinal surgery is reflected by doing more than **eleven thousand five hundred spinal surgeries in about 19 years at GMCH & PGI, Chandigarh and five hundred in RSIC, Mohali, Guru Gobind Singh Medical College & Hospital, Faridkot and Civil Hospital Jalalabad.**

It is also important to highlight that about 330 major Spinal Injuries have been done in the rural and border areas of Punjab in absolute cost effective manner. .

Introduced various surgical techniques for fixation of Fracture Odontoid, C1-C2 Transarticular fixation, Cervical Laminoplasty, Cervical Laminectomy with lateral mass plate, Scoliosis surgery with both front and back approach, Endoscopic Disc Surgeries, Replacement of Cervical and Lumbar Disc, Proxima, Surface Replacement of Hip & Knee, Kyphoplasty. Navigation System for spinal surgeries and joint replacement. The referrals pertaining to spinal surgery are from J&K, H.P., Punjab, Haryana, U.P., Rajasthan, Madhya Pradesh and Delhi.

Established Regional Spinal Injury Centre, Mohali which is going to bring a revolution in the care of spine disease

Actively participated to develop a Regional Trauma Centre and Medicity Chandigarh.

Administrative Experience/ Contribution

Served/serving on various committees of Safdarjang Hospital and Maulana Azad Medical College, New Delhi, Govt. Medical College and Hospital, Chandigarh, RSIC, Mohali and PGIMER, Chandigarh.

-Professor & Head of Orthopedics, Govt. Medical College & Hospital, Chandigarh - Started Spinal surgeries in Deptt. of orthopedics, apart from orthopedic surgeries in GMCH -32 Chandigarh.

-Medical Superintendent –Government Medical College & Hospital, Chandigarh 11.12.2000 – 30.4.2004.

-Facilitated the construction and planning of the hospital when the main hospital block got completed and commissioned adding 300 beds, 14 operation theatres fully equipped world class operation theatres made operational.

-Establishment of surgical High dependency unit

-In view of the financial constraints, started a process of involving private sector in providing diagnostic facilities at GMCH .Installing a latest CT scanning machine at GMCH under Public private partnership scheme towards improving diagnostic facilities.

-Establishment of an efficient biomedical waste management system through various training programmes for hospital staff including a recycling project to recycle organic waste called **“Waste to Wealth- Eco Innovative Project”** which meets all the statutory requirements is one of the many projects which were started and completed

- Establishment of Regional Spinal Injuries Centre, Mohali, a project of Govt. of India & Govt. of Punjab under disability act 1995, an exclusive Centre for spinal ailments in Northern Region as Project Director since 2000 to continuing .

-Additional Medical Superintendent, PGIMER, Chandigarh- 23.1.2006 to 30.11.2007 organizing the non-plan Budget, Poor Patient Fund and Private Grants.

-Director-Principal -Govt. Medical College & Hospital, Chandigarh 1.12.2007 to 23.04.2013. GMCH was ranked among first 20 medical colleges of the country nationally in term of Infrastructure, Undergraduate &Post graduate Education and Research.

-Facilitated establishment of Genetic lab

- Renovation & expansion of Radio Diagnosis Department, establishing Cobalt unit, linear accelerator.

-starting dialysis facilities for ICU patients and a large number of other facilities were added to further strengthen the services available

Establishment of cardiology lab for angiography & angioplasty

VITAL ACHIEVEMENTS AND CONTRIBUTIONS AS VICE CHANCELLOR

Vice Chancellor, Baba Farid University of Health Science, Faridkot Dec. 2014 to continuing

Service Rules

-The first and foremost activity for this University is to frame its own Rules & Regulations, which were pending since its inception i.e. year 1998.

Facilitation of Grants

-Facilitation of grants from Govt. of Punjab, as resources of the University were absolutely choked ,It got revived after many years of inception.

International Workshop(s)

-The concept of Bio-Ethics has been introduced by having a MoU with UNESCO Chair and such activities shall place the University at a higher level.

MCH Block in GGS Medical College & Hospital, Faridkot

Mother Unit of Mother & Child Hospital Block in GGS Medical College & Hospital, Faridkot has been led nearer to its final stage, where the work of Air Conditioning, Fire Fighting & finishing is in progress and same is likely to be completed before June, 2018 with a cost of Rs. 15.00 Crores.

CT Scan

CT Scan with 128 slices has been installed at the Radiodiagnosis Department of GGS Medical College & Hospital, Faridkot with a cost of Rs. 6.00 Crores.

Burn Unit

The Project of Burn Unit which was sanctioned by Govt. of India under the National Programme for prevention and management of Burn Injury with a grant of 1.24 Crores (1st installment as 60:40 share of Centre and State) is at final stage and it is likely to be completed in the end of February, 2018.

CT Simulator

CT simulator has been installed in Radiotherapy Department of GGS Medical College & Hospital, Faridkot with a cost of Rs. 4.00 Crores. It will explicitly enhance the services being provided to Cancer patients of Punjab as well as surrounding States like Haryana and Himachal.

PG Seats

PG seats have been increased in GGS Medical College & Hospital, Faridkot from 53 to 98. We are offering post graduation in all broad specialties except Radiology & Obst. & Gyne. However, approval for starting DNB in Radiology and MD in Obst. & Gynae is also complete.

ON-LINE Evaluation of Answer Scripts

A historical and remarkable trend of ON-LINE evaluation system has been started w.e.f. 1st July 2016 which specifically aims at ensuring unbiased evaluation of answer scripts. In this system, the answer scripts to the evaluators are transmitted digitally without Original Roll with Bar coding numbers which are randomly assigned to them for evaluation.

ON-LINE Transmission of Question Papers

Following the same track of digital evaluation, we have also taken another significant initiative towards curbing the possibility of leakage of questions paper and thereby we have started on-line transmission of Question papers since September 2017 onwards. Under this system, the question papers are transmitted to the examination centres only few minutes prior to commencement of Exam. This project is being run in a very smooth and glossy manner. The very objective of this unique step is only to avoid leakage and to do only paperless work. This system also ensures safe custody of question papers with the University.

Amrit Pharmacy

An outlet of AMRIT PHARMACY under the project of Govt. of India has been started to provide medicines to the patients at very low cost in Guru Gobind Singh Medical Hospital, Faridkot.

Advance Cancer Institute, Bathinda

Advanced Cancer Institute, Bathinda has been made functional for the treatment of Cancer Patients, where advanced treatment facilities for better cure of dreadful disease of Cancer have been made available.

Nursing College, Jalalabad

Established and added one more constituent institute to the University i.e. Nursing College, Jalalabad, where admissions of Nursing Courses have duly been made and Session has already been started in the year 2016.

Start of E-Tendering process

In order to make every sort of purchase in a more transparent and fair manner, the process of e-tendering has been initiated.

Built a Rain Basera (Sarai)

Established a Rain Basera (Sarai) of worth Rs.2 Crores, for the comfortable stay of attendants of Cancer patients by getting donation.

Cancer Van

Got donated a Cancer Van of worth Rs.2 Crores from the Rotary Club/Association.

Membership of Societies/Academic Organizations

AT PGIMER

1. Member, Lower Purchase Committee
2. Member, Standing Purchase Committee (special invitee)
3. Member, Drug Committee
4. Chairman, Promotion policy Punjab University

5. Chairman, Modernizations of Nehru Hospital
6. Member, Steering committee
7. Member, Academic council of Baba Farid University, Faridkot
8. Member, Hospital Management Board
9. Co- Chairman, Core Group to identify prioritize areas for research on disability
10. Chairman, Annual Performance Assessment Report (APAR)
11. Member, Streamline the working of Operation Theatres in Nehru Hospital Emergency and Advanced Trauma Centre
12. Member, Deliberate on the issue:
Ex-Post facto approval to deploy staff on contract through service to 97 posts and
Approval to enhance minimum manpower by 448 workers required for sanitation work.
13. Member, Operation Theatre Management Committee.

AT UNIVERSITY LEVEL

1. Board of Studies, Faculty of Medicine, HP University.
2. Nominated Member, Board of Studies in Postgraduate Medical Education & Research by Vice Chancellor, Punjab University, Chandigarh.
3. Board of Studies, Faculty of Medicine, PU, Chandigarh.
4. Nominated by H.E., the Governor-Chancellor of Pt. Bhawat Dayal Sharma University of Health Sciences as his nominee on the Selection Committee for teaching posts in the subject of Orthopaedics.
5. Nominated as Member of the Board of Post Graduate Studies in Medical Education & Research for the term 01.04.2009 to 31.03.2011.
6. Member Senate, Panjab University.
7. Member Syndicate, Panjab University.
8. Dean Faculty of Medical Sciences, Panjab University, Chandigarh
9. Member of the Selection Committee of Panjab University, Pandit Bhagwat Dayal University, University of Health Sciences.
10. Member of the Academic Council, Baba Farid University, Faridkot
11. Member of the Board of Affiliation, Guru Gobind Singh Indraprastha University, New Delhi

AT STATE LEVEL

1. Member Advisory Board for Disability Prevention & Rehabilitation, Chandigarh Administration.
2. Nodal Officer, State-cum-District Resource Centre, Chandigarh Administration.

3. Member Secretary, State Implementation Committee, UT, Chandigarh for conducting workshops for PHCs doctors of UT, Chandigarh in disability prevention and rehabilitation funded by Rehabilitation Council of India, Ministry of Social Justice & Empowerment, Govt. of India.
4. Member of the First ever Health commission of Govt. of Himachal Pradesh.
5. Nominee of His Excellency, Governor of Haryana to select Vice Chancellor of Pandit Bhagwat Dayal University of Health Sciences, Rohtak.

AT REGIONAL LEVEL

1. Nodal Officer, WHO funded workshops (Ministry of Health & Family Welfare, Govt. of India) for Punjab, HP and UT, Chandigarh.
2. Project Director, Regional Spinal Injury Centre, Mohali.
3. Appointed as Member of Board of Governors for Regional Spinal Injury Centre, Mohali by Punjab Govt.
4. Appointed as Member of State Advisory Council of Himachal Pradesh by Govt. of Himachal Pradesh.
5. Member, for reviewing of health care services delivery in Himachal Pradesh.

AT NATIONAL LEVEL

1. **Has been nominated as Member of Board of Governors, National Board of Examinations, New Delhi, which is prime body of conducting National Level Entrance Exams viz. a viz. NEET UG, NEET PG and NEET Super Specialty Courses.**
2. Member of WHO Expert Group to develop the curriculum for Orientation Training for Master Trainers, Trainers, PHC doctors and multipurpose health worker for disability prevention and rehabilitation.
3. Member, MPMCMG of National Disaster Management Authority (NDMA), Govt. of India.
4. Member of Steering Technical Committee for Trauma Care & Injury Surveillance, Ministry of Health & Family Welfare, Govt of India New Delhi.
5. Member Academic Council, Baba Farid University of Health Sciences, Faridkot.
6. Member, Ethics Committee for Indian Institute of Science Education and Research (IISER), Mohali.

7. Member, Core Advisory Group, Indian Council of Medical Research, (Department of Health Research), Ministry of Health & Family Welfare, Govt. of India, New Delhi to develop disaster management in curriculum in medical education.
8. Vice Chairman, committee on Research on Disability at ICMR
9. Member, to develop Bio medical research lab in various medical college at ICMR.

NATIONAL BOARD OF EXAMINATION

1. Appointed Inspector by National Board of Examinations to inspect department of Orthopaedics of the Sundram Medical Foundation, Chennai for renewal of accreditation to the Board
2. Inspector -National Board of Examinations to inspect department of Orthopaedics of the Harkrishan Das Nurrotamdas Hospital, Bombay for renewal of accreditation to the Board.
3. Inspector -National Board of Examinations to inspect department of Orthopaedics of the Durgabai Deshmukh Hospital & Research Centre, Andhra Mahila Sabha, Hyderabad for renewal of accreditation of the Department for training of DNB candidates.
4. Inspector -National Board of Examinations to inspect department of Orthopaedics of the Manipal Hospital, Bangalore for renewal of accreditation of the department for training of DNB candidates.
5. Inspector -National Board of Examinations to inspect department of Orthopaedics of the Indian Spinal Injuries Centre, New Delhi for starting training of DNB candidates.
6. Inspector - National Board of Examinations to inspect department of Orthopaedics of the Indian Spinal Injuries Centre, New Delhi for renewal of accreditation of their department-2009
7. Inspector - National Board of Examinations to inspect department of Orthopaedics of the Sant Parmanand Hospital, New Delhi for renewal of accreditation of their department-2009
8. Inspector to recognize institution for post graduate course in Orthopaedics.
9. Examiner in Orthopaedics
10. Convener to conduct Orthopaedics examination since 2007 at GMCH and PGIMER

MEDICAL COUNCIL OF INDIA

1. Member of Statutory Central Council i.e. Medical Council of India

2. **Chairman, Monitoring Cell, Medical Council of India for Undergraduate & Postgraduate admissions throughout the country.**
3. Member of the Institute Body of All India Institute of Medical Sciences, New Delhi.
4. Assessor for inspecting the Post Graduate Courses in Orthopaedics
5. Member of the committee constituted for developing curriculum for Undergraduate and Postgraduate in Orthopaedics.

ICMR

1. Co Chairman to identify the research in disability.
2. Member to develop curriculum for National Institute of Hospital engineers.
3. Expert member to evaluate candidate for ICMR awards.
4. Member to identify medical colleges to develop Bio-medical research labs with the support of ICMR.
5. Member to develop white paper on areas of Common interest within India and UK in the field of musculoskeletal diseases.

EXPERT ADVISOR TO VARIOUS PUBLIC SERVICE COMMISSIONS

1. Expert Advisor to Punjab Public Service Commission since 1998.
2. Expert Advisor to Union Public Service Commission since 1999.
3. Expert Advisor to Haryana Public Service Commission since 2004.

AWARDS, DISTINCTIONS, PRIZES, ETC.

GRADUATION LEVEL

1. Bronze Medal for standing third in Punjab University.
2. Silver Medal for standing second in Physiology in HP University.
3. Gold Medal for standing first in Surgery in HP University.
4. Bronze Medal for standing third in MBBS-Final examination in HP University.

POST GRADUATION LEVEL

1. Johnson & Johnson Traveling Fellowship of Indian Orthopaedic Association-1987.

2. Best paper award in North Zone IOACON, Jammu 1989.
3. Bio-data indexed in "REFERENCE ASIA' WHO'S WHO Men & Women of Achievements – 1990.
4. The British council Fellowship for training in Joint Replacement at the Department of Orthopaedics Surgery, The Queen's University of Belfast, Musgrave Park Hospital, Belfast (UK) under Technical Cooperation and Training Programme- 1993.
5. Nominated by Govt. of India to attend Surgical Seminar on use of Artificial tendons in ACL and Tendo Achilles Injuries being organized by French Surgeons at Colombo-1994.
6. Fellowship of National Academy of Medical Sciences, Fellowship of Royal College of Surgeon itself underlines his academic excellence in India and abroad.

OTHER ACADEMIC ACHIEVEMENTS

1. Visiting Professor -National University of Singapore (May-June 1997).
2. Visiting Professor -,University of Natal (Durban and University of Johannesburg), South Africa.
3. Successfully completed the certificate course on Hospital Administration for Senior Health Administrator at National Institute of Health & Family (Ministry of Health & Family Welfare, Govt. of India) New Delhi from 10-28 Nov. 1997.
4. Visiting Professor to the Department of Orthopaedic Surgery of the Westfaelian Whilhelms- University Hospital of Munster, Germany from July 7th to 25th July, 1998. Worked with Dr. Henry Halm of Halm-Zielke Instrumentation System. Has exposure to advanced spinal techniques to deal with spinal deformity and spinal instability.
5. Awarded fellowship of AO International & worked at St. James University Hospital with Prof. Robert S Dickson and Mr. RM Smith. St. James Hospital is considered as one of the largest teaching Institute of the world. Gained experience in Spinal Surgery and Acetabulum and Pelvic Fractures – 1999.
6. Invited to Share Experience on Total Disc Replacement at Seol, Korea, March 2007.
7. Attended AO spine reconstructive seminar at Queens' Medical Centre, Nottingham, (England) from 8.10.07 to 9.10.07.

8. Invited to attend Conference on Disc replacement at MAX Hospital on 5th & 6th January, 2008 at New Delhi.
9. Attended meeting regarding starting of PG Courses in Transfusion Medicine and Geriatrics in Medical Colleges/Institutions in India on 30th January, 2008 at 11.00 AM in the office of the Secretary to the Govt. of India, Ministry of Health & Family Welfare, Nirman Bhawan, New Delhi.
10. Invited to attend Scientific rendezvous with Dr. Wise Young, founding Director of the W.M. Keck Center for Collaborative Neuroscience and a Professor at Rutgers, The State University of New Jersey” regarding ““Hope to Recover in Acute Spinal Cord Injury” at New Delhi on 29th Feb, 2008.
11. Panelist CHESCON , Topic: Empowering India by Scientific Integration, Innovation & Invention” at Punjab University, Chandigarh on 5.3.08 at 3.30 PM
12. CME of Pediatrics on “Common Endocrinology Disorders in Children” on 23.3.08 at Auditorium GMCH, Chd.
13. Attended International Conference on “Cooperative Development and Peace in Central Asia: An Indian Perspective” from 15-17 March,2008 at CRRID, Sector 19-A, Chandigarh.
14. Attended the Inter-country Workshop for Trainers in Injury Epidemiology Prevention and Care on the invitation of Ministry of Health & Family Welfare, Govt. of India in collaboration with World Health Organization from 28th July to 1st August, 2008 at Khon Kaen, Thailand and presented the curriculum for undergraduate medical students and to assist the group workshop for facilitating participants to adopt the curriculum for implementing in their respective countries.
15. Attended and completed AO Spine Principle Course as Faculty National from 10-12 July 2009, New Delhi.

ORGANIZATIONAL EXPERIENCE

1. Conducted Spinal Cord Injury workshop in collaboration with Indian Spinal Injury Centre, New Delhi and National Institute of Disability Rehabilitation & Research, USA 14-15 March, 1998.
2. Course Director in inaugural WHO workshop on “Capacity Building in Essential Trauma Care in Peripheral Health Institution at Chandigarh”.
3. Course Director in inaugural WHO workshop on “Essential Trauma Care in Peripheral Health Institution in Himachal Pradesh at Manali”.

4. Course Director in inaugural WHO workshop on "Interlocking Nail System at GMCH, Chandigarh, 4th-5th October, 1997.
5. Organized a CME and inaugural conference of Himachal Doctors Alumni Association at Chandigarh.
6. Organized a first ever Orientation Training Workshop for Master Trainers in Disability Prevention & Rehabilitation in the country at Chandigarh (11-15th September, 2000).
7. Organized a three days WHO Workshop for doctors at Government Medical College & Hospital, Chandigarh on Orientation training of trainers in Disability Prevention & Rehabilitation (28-30 April, 2001).
8. Organized a three days WHO Workshop for doctors at Government Medical College & Hospital, Chandigarh on Orientation training of trainers in Disability Prevention & Rehabilitation (29th-31st January, 2001).
9. Organized a three days WHO Workshop for doctors at Patiala on Orientation training of trainers in Disability Prevention & Rehabilitation (12-14 October, 2001).
10. Organized a three days WHO Workshop on Orientation training of trainers in Disability Prevention & Rehabilitation at Dharamshala (14-16 November, 2001).
11. Organized a three days WHO Workshop of Medical Officers to disability management under the aegis of Rehabilitation Council of India, Ministry of Social Justice & Empowerment, Govt. of India at Chandigarh from 30th September to 2nd October, 2001.
12. Organized a Workshop on orientation of Medical Officers to disability management under the aegis of Rehabilitation Council of India, Ministry of Social Justice & Empowerment, Govt. of India in the month of November, 2001.
13. Organized a Workshop on orientation of Medical Officers to disability management under the aegis of Rehabilitation Council of India, Ministry of Social Justice & Empowerment, Govt. of India from 9-11 December, 2001.
14. Organized a Workshop on orientation of Medical Officers to disability management under the aegis of Rehabilitation Council of India, Ministry of Social Justice & Empowerment, Govt. of India from 24-26th February, 2002.
15. Organized a Workshop on orientation of Medical Officers to disability management under the aegis of Rehabilitation Council of India, Ministry of Social Justice & Empowerment, Govt. of India from 28-30th April, 2002.
16. Organized a Workshop on orientation of Medical Officers to disability management under the aegis of Rehabilitation Council of India, Ministry of Social Justice & Empowerment, Govt. of India from 12-14th May, 2002.

17. Organized a three days workshop for Paramedics and Community Level functionaries working in UT, Chandigarh in disability prevention and medical rehabilitation at Government Medical College and Hospital, Sector 32, Chandigarh from 14-16 September, 2002 under the aegis of World Health Organization, Ministry of Health & Family Welfare, Govt. of India.
18. Organized and conduct a live “course and workshop on spinal surgery” from 20-23 September, 2002 in collaboration with Bangladesh Orthopaedic Society at National Institute of Traumatology & Orthopaedic Rehabilitation (NITOR), Dhaka, Bangladesh.
19. Organised a four day workshop for Master Trainers from doctors of Himachal Pradesh in disability prevention and rehabilitation at Government Medical College & Hospital, Chandigarh from 7-10 October, 2002 under the aegis of Rehabilitation Council of India, Ministry of Social Justice & Empowerment, Govt. of India.
20. Organised a four days workshop for Master Trainers from doctors of Himachal Pradesh in disability prevention and rehabilitation at Government Medical College & Hospital, Chandigarh from 10-13 January, 2003 under the aegis of Rehabilitation Council of India, Ministry of Social Justice & Empowerment, Govt. of India.
21. Organised a three days workshop for Paramedics and Community Level functionaries working in UT, Chandigarh in disability prevention and medical rehabilitation at Government Medical College and Hospital, Sector 32, Chandigarh from 1-3 February, 2003 under the aegis of World Health Organization, Ministry of Health & Family Welfare, Govt. of India.
22. Organised a one day training workshop for Community Level functionaries/community based rehabilitation worker working with State-cum-District Resource Centre, UT, Chandigarh in disability prevention and medical rehabilitation at Government Medical College and Hospital, Sector 32, Chandigarh on 4.5.2003 under the aegis of World Health Organization, Ministry of Health & Family Welfare, Govt. of India.
23. Organized 10th Annual Conference of Punjab Chapter of Indian Orthopaedic Association from April 10-11, 2004.
24. Organized a one day training workshop for Operating Room Personnel (ORP) on A.O. Principles at Government Medical College & Hospital, Sector –32, Chandigarh on 17.07.04.
25. Organised North Zone Indian Orthopaedic Association at GMCH in 2005.
26. Organised Annual Conference of Association of Spine Surgeon of India, 2006.
27. Organised meeting of NDMA at PGIMER, Chandigarh on 13th December, 2006.

28. Organised Live Surgery of New Design – Proxima Metal to Metal THR at PGI in February, 2007.
29. Organizing Annual Conference of Indian Arthroplasty Association on 25-26 February, 2007.
30. Organised & did Live Surgery on Cervical Spine disease –Elevating best practices in spine on 5th-6th May.
31. Organized Live Workshop on Non-endoscope RF Disc ablation decompression and Nucleotomy by Dr Stefan Hillinger Munic Germany on 20th May, 2007. Two cases of Disc disease were operated.
32. Organised Training workshop on Kyphoplasty held on 23.3.2008 at GMCH, Chd. (by Dr. Anand Aggarwal a Leading Spine Surgeon from UK)
33. Organized a Training Workshop and live surgery on Minimal Invasive Spine Technique on 29-30 October, 2008 at GMCH, Chandigarh (by Dr. Jorg Franke, a orthopaedic surgeon from University of Magde burg, Germany)
34. Organized first ever workshop in India on **Evidence Based Medicine**, in collaboration with Singapore Indian Group Networking for Empowerment Training (SIGNET) held on 23-26 May, 2009.

THESIS SUPERVISOR

Supervised thesis for Postgraduate studies in Orthopaedics (MS Orth) in Delhi University, Panjab University, Chandigarh and PGIMER, Chandigarh.

1. Closed Kuntscher Nailing in fracture of shaft of femur, 1988.
2. Muscle Histo-chemistry in Muscle Atrophy, 1989.
3. Role of Anterior Decompression in Cervical Spine Injuries, 1990.
4. Dome Osteotomy Vs French Osteotomy in Cubitus Varus, 1991.
5. Role of anterior decompression in thoracolumbar injuries with incomplete paraplegia, 1992.
6. Roentgenographic study in spinal injury 1992.
7. Role of VSP in unstable fracture of the thoracolumbar spine 1995.
8. Role of cervical laminoplasty in cervical spondylotic myelopathy, 2002.

9. Role of cervical laminectomy and lateral mass plating in cervical spondylotic myelopathy, 2003.
10. Early results of posterior endoscopic lumbar discectomy, 2004.
11. Role of anterior decompression in cervical spondylotic myelopathy.
12. Result of C₁ C₂ fixation in atlantoaxial dislocation.
13. Experience of fixation of Cervical Spine with Pedicle screw.
14. Tuberculosis of Lumbo sacral spine.

MEMBERSHIP OF SCIENTIFIC SOCIETIES:

STATE

1. Member Himachal Doctor's Alumni Association, Founder President-1998.
2. Member Banaras Hindu University, Alumni Association Chandigarh, President-1998.
3. Member State Health Advisory Council of Himachal Pradesh.
4. Member Development of guidelines for offer of physiotherapy programme through distance mode at Indira Gandhi National Open University, New Delhi.

REGIONAL

1. Life Member H.P. Chapter IOA.
2. Life Member Punjab Chapter IOA, President-elect: 2005.
3. Life Member North Zone Indian Orthopaedic Association.

NATIONAL

1. Life Member Indian Orthopaedic Association.
2. Life Member Indian Arthroplasty Association.
3. Member National Academy of Medical Science
4. Member Medical Equipment and Hospital Planning (MHD2) Bureau of Indian Standards
5. Member of Association of Spine Surgeons of India.

6. Delegate Member Education & Community Development(North)
AO Foundation (Chapter India)

INTERNATIONAL

1. Life Member Bangladesh Orthopaedic Society.
2. Life Member World Orthopaedic Concern.
3. Life Member of Chandigarh Chapter of the Association of British Scholars, Chandigarh.

FELLOWSHIP OF NATIONAL AND INTERNATIONAL SCIENTIFIC SOCIETIES

- a. Fellow International College of Angiology.
- b. Fellow International Medical Science Academy.
- c. Fellow Association of Osteosynthesis (AO/AISF) International, Davos Switzerland.
- d. Fellow of Indo-German Orthopaedic Foundation.
- e. Fellow National Academy of Medical Sciences (India).
- f. Fellow- Institute of Hospital Engineers.
- g. Elected Fellow, Punjab University Senate.
- h. Fellowship - the International Institute of Organizational Psychological Medicine
USA – Australia – UK

EXAMINERSHIP

For MBBS, D Orth, Diploma in Sports Medicine, Diploma in Physiotherapy, DNBE, MS Orth in Himachal Pradesh, Allahabad University, Jabalpur, Panjab Univesity, Punjabi University, Delhi University, PGIMER Chandigarh, Gurunanak Dev University, Banaras Hindu University, AIIMS, MDU, Baba Farid University of Health Sciences, Kurukshetra University, Jammu University and Madras University.

Participation in Conferences/ Seminars/ Symposium/Workshop/CME

GUEST LECTURES & PAPER PRESENTATION

1. Guest Lectures on Road, Safety Seminar, 2000 at HQ, WAC, Indian Air Force, Chandigarh (18th-19th December, 2000)
2. Lecture on Anterior Decompression and Fusion in Spinal Injury Centre at Colchester English Study Centre (U.K.) in May, 1993.
3. Guest Lecture at 20th Annual Conference, North Zone, IOA at Pt. B.D. Sharma P.G.I.M.S., Rohtak from 23rd-25th February, 2001.
4. Deliver a key note on Cervical Spondylotic Myelopathy and a lecture on Management of Spinal Injuries anterior versus posterior stabilization in the CME organized by Defence Services under the Ages of Association of Spinal Injuries of India (March 17,2001).
5. Lecture & Chair the Session on Annual Conference of North Zone (Indian Orthopaedics Association) 24.02.2001 at Rohtak.
6. Presented Paper on Modified Cervical Laminoplasty at Annual Meeting of Indian Orthopaedics Association at Ahmedabad in December, 2001.
7. Guest Lecture on Management of Trauma at State level meeting of IMA at Doraha (Pb.) in November, 2001.
8. Guest Lecture on Disability-Process, Magnitude, Prevention and Rehabilitation at CSIO, Chandigarh in the month of March, 2002.
9. Guest Lecture on Cervical Spondylotic. Myelopathy at Annual Meeting of HP Chapter of Indian Orthopaedics Association at Bilaspur in November,2001.
10. Guest Lecture on Cervical Spondylotic. Myelopathy at Annual Meeting of North Zone Chapter of Indian Orthopaedics Associations, Jammu in February,2002.
11. Guest Lecture on Cervical Spondylosis at HP Chapter of Association of Surgeons on 14.04.2002 at Mandi (H.P).
12. Lecture at Annual Conference of Punjab Orthopaedics Association, Patiala.
13. Delivered a Guest Lecture on "Disability Process & Magnitude" at Orientation of Senior Health Administrators Programme (RCI funded) at Pari Mahal, Shimla. (October,2002).
14. Guest Lecture on Anterior Stabilization of Cervical Spine- Cage & Plating at Annual Conference of Himachal Orthopaedic Association, Shimla (September, 2002).
15. Guest Lecture on Trauma Management at CME on Trauma at Command Hospital, Ambala, (October,2002).

16. Presented Paper on "Management of Fracture of Odontoid" at Annual Conference of Indian Orthopaedics Associated at Patna held from 12-17th November, 2002.
17. Member of Panel to discuss Central Fracture Dislocation Hip at Indian Orthopaedic Association CME on Reconstruction of Severely Injured Lower Limb at Annual Conference of Indian Orthopaedic Association at Patna from 12-17,2002.
18. Guest Lecture on Anterior Stabilization of Cervical Spine at International Spine & Spinal injuries Conference, 2002 at Indian Spinal Injuries Centre, New Delhi from 22-24th November,2002.
19. Lecture delivered on Managing Trauma at primary healthy care level held at Chandigarh on 21st December by IGMCA CON-2002.
20. Delivered a Guest Lecture on Anterior Spinal Plating on 24.1.2003. at Varanasi in Annual Conference of Spinal Surgeons of India (Assicon-2003).
21. Delivered Guest lecture on An anterior Fixations of Cervical Spine in XXII Annual Conference of North Zone, Indian Orthopaedic Association held during March 21-23 at Govt. Medical College, Patiala.
22. Guest Speaker-cum-Resource Person on the topic of Spinal Injuries in North East Orthopaedic Surgeons" Conference-2004 held at Regional Institute of Medical Sciences, Imphal from 9-11th January,2004.
23. Guest lecture on current Trends and Future Advances in Minimally Invasive Surgery in Orthopaedics at Conference of newer technology by Department of Science & Technology, Govt of India, at New Delhi on 17th of May,2004.
24. Guest Lecture delivered on cervical laminectomy and Ipsilateral mass plating in management of spondylitic myelopathy at Govt. Medical College. Srinagar, XXIII NZIOA Conference , on 29th May, 2004.
25. Delivered a Guest Lecture on Hip Replacement for fracture neck of femur at AIIMS, New Delhi on 18.9.2004.
26. Delivered a Guest lecture at Central Scientific Instruments Organization, Chandigarh on Osteoporosis on 20.9.2004.
27. Guest Lecture on Low back ache at Panjab University in January,2007.
28. Invited to deliver a lecture regarding Trauma Centre – Government view point in U.P. ORTHCON-2008 on 3rd Feb, 2008 at J.N. Medical College, Aligarh (U.P.).
29. Delivered a lecture on on Stem cell under RSIC New Delhi on 24th Feb, 2008 at New Delhi.
30. Invited to deliver a lecture on "Management of Pain on 17th Feb, 2008 at New Delhi

31. Invited to deliver a Guest lecture regarding “Recent Advances in Spine Care in International Spine and Spinal Injuries Conference(ISICON)” held on 22-24 Feb,2008 at New Delhi.
32. Invited to deliver a lecture on “Difficulties in management of injured paediatric spine” at 2.30 PM on 5th April, 2008 at LHMC, New Delhi.
33. Invited to deliver Dr. Karam Singh Grewal Oration at the Annual Meeting of North Zone, Chapter of IOA, at 5.15 PM New Delhi being the past President of the NZIOA.
34. Chief Guest & Delivered a Guest Lecture on “Caring your Back for the Future” in the meeting of Association of British Scholars, Chandigarh held at Hotel Parkview, Sector 24, Chandigarh on 24.05.2008 at 11.30a.m.
35. Delivered a Lecture on “Total Disc Replacement – The Current Concepts and its Relevance to Indian Subcontinent” in the meet of Ludhiana Orthopaedic Association on 31.05.2008.
36. Delivered a Guest Lecture on Rotary Chandigarh Shivalik in their weekly meeting on 12.08.2008 on the topic “ Back Care”.
37. Invited to deliver the Guest Lecture on the topics **i) Painful Hip, ii) Bone Tumour iii) Spine Surgery**” in the Postgraduate Training Course scheduled held on 15-17th August, 2008 at Govt. Medical College, Bhopal (M.P.).
38. Delivered lecture on the topic “Role of importance of Spine in the Body and the fracture it can suffer because of all, weapon or otherwise” at Chandigarh Judicial Academy for Punjab & Haryana on 13.09.2008.
39. Delivered a Guest Lecture on the topic “Disaster Management” in the Annual CME of Indian Medical Association on the theme “Common Problems in Clinical Practice” held on 2nd November, 2008 at Chandigarh..
40. Delivered the Lectures on the topics i) Disaster Management – Govt. of India Perspective and ii) Recent Trends in Spine Surgery in the 53rd Annual Conference of Indian Orthopaedic Association, held from 02-12.2008 to 07.12.2008 at Bangalore.
41. Delivered Guest Lecture on Torture Victims in the National Conference of Comprehensive Rehabilitation of Torture Victims at GMCH held on 31.01.2009 and 01.02.2009
42. Chief Guest & Delivered the Guest Lecture on the topic “Disability Magnitude” at Indo Global College of Education, Abjipur on March 13, 2009 in their one day seminar on Making Special Education Inclusive : Aligning Disability issues with Learning, Teaching and Diagnostic Assessment.

43. Delivered the Guest lecture on the topic “Degenerative disease of Cervical Spine” at Symposium organized by Central Zone of Indian Orthopaedic Association at Pandit Jawahar Lal Nehru Memorial Medical College, Raipur (Chhatisgarh) on 22.03.2009
44. Delivered Guest Lecture at Divya Shiksha Gurukul College of Education for Women on the day of Mat-Pita Santan Divas on 12th April, 2009.
45. Delivered the Guest Lecture on the topic “Trends in Disability Magnitude” on 18th April, 2009 at Saket College of Physiotherapy.
46. Delivered the Guest Lectures on the topic(s) i) “Management of Thoracolumbar Spine Injuries, ii) Management Principles of lower cervical trauma and Strategies in thoracolumbar trauma on 11.07.2009 & 12.07.2009 respectively at New Delhi in the AO Spine Principles Course..
47. Deliver the guest lecture on the topic “Degenerative disease of Cervical Spine” at Symposium organized by Central Zone of Indian Orthopaedic Association at Pandit Jawahar Lal Nehru Memorial Medical College, Raipur (Chhatisgarh) on 22.03.2009.
48. Prof. T P Srivastava, Oration in UPORTHOCON 2014, at Jim Corbett, National Park, Nanital “Journey of Spine Surgery in India”.
49. 29th September DMC, Ludhiana Punjab Orthopaedics Association conference – was chairperson.
50. 20th -21 November 2013 Hyderabad Workshop on use of Intra operative imaging in Spinal Surgery
51. 23rd -24th November 2013 Tanda, HP Lecture- session chaired on topic spondyliosthesis Himachal Pradesh Association conference Chairman – Govt. Medical College, Tanda, HP
52. 25th – 26th Nov New Delhi 2 days national conference on Rehabilitation on persons with spinal cord injury
53. 5th – 7th Dec Agra, 58th IOACON, 2013.
54. 29th March 2014 at New Delhi for Technical Advisor for the Standing Selection committee.
55. 16th June 2014 at New Delhi for evaluation of start of project under HRD scheme.
56. Paper accepted in Biomechanics-2015 International conference to be held at Florida, USA entitled as “Tansarticular screw fixation for atlantoaxial instability-modified Magerl’s technique in 38 patient”.

Published Work

- i. Contributed in book "Disaster Management" on the topic Disaster and Orthopaedic Injuries.
- ii. Contributed in book "Guide to Prevention of Lifestyle Diseases" on the topic Healthy Lifestyle and Prevention of Diseases of Joints and Bones.
- iii. Contributed in book Better Health after Fifty.
- iv. Contributed in book: Current Issues & Solution on Environmental Sciences: Chapter on Environment and disaster management.
- v. Co-author in Book "Trends in Medical Physics and Biomedical Instrumentation".
- vi. Tarun Goyal, **Sarvdeep S Dhatt**, Raj Bahadur. "SURGICAL TECHNIQUES OF ATLANTOAXIAL (C1-C2) FIXATION". *MASTERING ORTHOPAEDIC TECHNIQUES SPINE. Jaypee Brothers 2011-12.*
- vii. Raj Bahadur, **Sarvdeep S Dhatt** FIRST AID IN DISASTER. First aid and Emergency Management in Orthopaedic Injuries Jaypee Publications.

Professional Honours & Training

- Awarded prestigious JJ Fellowship ,IOA (1987)
- British Council Fellowship ,Queens University of Belfast (1993-94)
- Fellowship of IGOF ,Westfaelian Whilhelms University Hospital of Munster, Germany (1998)
- Fellowship of ASIF Switzerland ,St. James Hospital, University of Leeds, U.K. (1999).
- Awarded **Young Achiever Award** by Confederation of Indian Industry (CII) to talk with Mr. Tony Blair, Prime Minister of U.K.
- Awarded '**Honorary Life Membership**, Bangladesh Orthopedics Society in recognition of conducting workshop and live demonstration of spinal surgeries in order to train Orthopaedic Surgeons of Bangladesh in the field of Spinal Surgery, by Bangladesh Orthopaedics Society.
- **Appreciation certificate** by Chief Justice of High Court to Governor of Punjab and Administrator of U.T. Chandigarh regarding services rendered by Dr. Raj Bahadur and team.

ORATIONS

- Dr. Karan Singh Grewal Oration on Recent Trends in Spine Surgery on being the past President of North Zone Chapter of Indian Orthopaedic Association in the year 2007.
- Prof. T P Srivastava, Oration in UPORTHOCON 2014, at Jim Corbett, National Park, Nanital “Journey of Spine Surgery in India”.
- Desh Bhagat Oration at Desh Bhagat University, Distt. Fatehgarh Sahib 2015.

SOCIAL RECOGNITION

- Distinguish Service Award of IMA, South Delhi.
- Awarded SHAAN-E-UNA by HIMOTKURSH (Himachal Pradesh) as an illustrious person and as a mark of recognition for the commendable Social Service.
- Distinguished Service Award for 1993-94 by Medocos Club Delhi South on Indian Medical Association- 1994.
- **Recognition Award** by Indian Red Cross for selfless service on the World Red Cross Day-2004.
- **Excellent Surgeon Award-2004** with cash award of Rs.20,000/- and trophy by M/s. Systopic Industries with Prof. P.K. Dave, former Director, AIIMS and top Orthopaedic Surgeon as Chairman of the Selection Committee
- Awarded “**Best Citizen of India**” in recognition of exceptional caliber and outstanding performance in Orthopaedic Surgery –2008.
- Awarded **Rashtriya Rattan** by Vishwa Jagriti Mission-2008
- Awarded “**Life Time Achievement Gold Medal Award**” by Indian Solidarity Council, New Delhi in their National Seminar on “Education & Socio-Economic Development” on 19.12.2008 at New Delhi.for outstanding achievements.
- Awarded “**Rashtriya Vidya Saraswati Puraskar**” by International Institute of Education & Management on 19.12.2008 at New Delhi.
- Awarded “**Glory of India Award**” with Certificate of Excellency for Meritorious Services, Outstanding Performance and Remarkable Role by India International Friendship Society.
- Awarded **Punjab Ratan** (Himachal, Punjab & Haryana Intellectuals Honour) for the recognition of the distinguished services rendered to the Society at large by All India Conference of Intellectuals in their 28th Annual Celebration year 2009.

- Awarded with **Himachal Gaurav Puraskar** by Himachal Pradesh Govt. in 2015.
- Honoured with “**BABA FARID AWARD FOR HONESTY**” by the Tilla Baba Farid Religious and Charitable Society and Gurdwara Godri Sahib Baba Faridkot Society.Faridkot Administration
- **Honoured by the Hon’ble Chief Minister, Punjab with a “STATE AWARD” for exemplary services in the field of Medicine** on the eve of Independence Day on 15th August, 2016.
- Awarded with “**State Double Helical Award 2017**” by the Hon'ble Chief Minister, Haryana
- **Honoured with STATE AWARD – 2021 by the Hon’ble Chief Minister, Punjab for excellent services during the phase of COVID-19** on the eve of Independence Day on 15th August, 2021.

PUBLICATIONS:

1. **RAJ BAHADUR:** Clinico-radiological Study in cervical spondylosis: Thesis for MS (Ortho) B.H.U., 1978.
2. **RAJ BAHADUR, T.P.SRIVASTAV & V.P>BANSAL:** Some common roentgenographic observations in cervical spine. Bull PGI, 14(2): 114-117,1980.
3. **RAJ BAHADUR, T.P.SRIVASTAV & V.P. BANSAL:** Some common observations in cervical spondylosis. Bull. PGI, 14(2): 218-222,1980.
4. S.K. MODA, RAJ BAHADUR & K.Jain: Spinal cord compression in hereditary multiple exostosis, Ind J Orth,14(2).
5. O.N. NAGI & RAJ BAHADUR: Total hip replacement-A preliminary report. Bull PGI, 16(2):71-73,1982.
6. S.S. Gill, O.N.NAGI & RAJ BAHADUR: Myoplasty in open fractures of the leg bones. Bull PGI, 16(2):71-73,1982.
7. H K Dang, V P BANSAL, RAJ BAHADUR & O N BHAKOO: Congenital hip dysplasia in neonates.
8. V.P. BANSAL, VINOD SINGAL & RAJ BAHADUR: Experience with the technique of manual impaction in the management of open fractures of tibia. Ind J, Ortho, 16(2): 110-115, 1982.
9. H.SINGH,V P BANSAL, J.RAI, S.S GILL & RAJ BAHADUR:Closed continous suction irrigation in the management of chronic osteomyelitis. Bull PGI, 16(1): 25-31, 1982.

10. S S GILL, RAJ BAHADUR & O N NAGI, Muscle transposition exposed tibia. Ind J Plast Surg., PP 13-15, 1983.
11. V P BANSAL & RAJ BAHADUR: Epiphyseal injury following birth trauma, Ind Med Gazette, CXVII (5) :173-174, 1983.
12. V P BANSAL, H K DANG, RAJ BAHADUR & O N BAKHOO: Musculoskeletal malformations of foot in neonates in Northern India. Bull PGI, 17(1): 41-45, 1983.
13. **RAJ BAHADUR**, V P Bansal & S S Gill: Multifocal Osteosarcoma- A case report. Quart j Surg Sciences, March-June: 54-56, 1982.
14. **RAJ BAHADUR**, V P BANSAL: Extraosseous Osteosarcoma –A case report. Bull PGI, 17(1), 1983
15. **RAJ BAHADUR**, T.P. SRIVASTAV & D.N. VERMA: Disc body ratio in disc degeneration. Ind J Radiology 138(1): 27-28, 1984.
16. S.S. Gill, RAJ BAHADUR & O N NAGI: Myocutaneous flaps in exposed tibia. Ind J Plastic Surgery: 1-4, 1983.
17. S S Gill, K. SINGH & RAJ BAHADUR: Sacrococcygeal chordoma-A case report. Ind J.Surg. 1984.]
18. **RAJ BAHADUR**: Skeletal Injuries in Hang Gliding. Bull JIPMER,p.p. 70-72, 1987.
19. RAJ BAHADUR & T P SRIVASTAV: Clinico-radiological study of cervical spondylosis. Ind. J Orthopaedics, 20(1): 28-32, 1986.
20. RAJ BAHADUR: Nutrition and sports. Swasth Hind, XXXII(9): 252-266,1988.
21. R.HANDA, V.PARKASH & RAJ BAHADUR: Double contrast arthrography in internal derangement of knee. Delhi Orthopaedic Journal, 4(1),1988.
22. RAJ BAHADUR & B V BHATT: Congenital musculoskeletal malformation in neonates. JIMA 87 (2): 27-29, 1989.
23. Y. PRABHAKAR, RAJ BAHADUR, P.R. MOHANTY & S.SHARMA: Meralgia Paraesthetica, JIMA, 88:140-41, 1989.
24. J.V.S.VIDYASAGAR, RAJ BAHADUR & S.SHARMA:Epidural injection of steroid in nonspecific low backache. JIMA, 87(9): 208-209, 1989.
25. J V S VIDYASAGAR, G MUTHU KUMAR, CHANDU PRASANNAN, RAJ BAHADUR & P.R MOHANTY: Factor influencing wound infection time lapse analysis and wound culture studies Ind J Path Micro, 30, 343-47, 1987.

26. J V S VIDYASAGAR, RAJ BAHADUR & RATNAKAR: Aneurysmal bone cyst of transverse process of lumbar vertebra. JIMA, 84(7): 220-221, 1986.
27. RAJ BAHADUR, P.SAXENA & V P BANSAL: Closed nailing in fractures of the shaft of femur. Ind. J. Orth. 1992.
28. RAJ BAHADUR, M A MCNAIELLY & R A B MOLLAN: Venous outflow, Venous capacitance and thrombogenesis in total knee replacement-J.Bone Joint Surgery.
29. RAVI KUMAR GUPTA, RAJ BAHADUR & MANDEEP SINGH DHILLON, treatment of Haglund's Heel with Local Cortisone and Xylocaine. Bull PGI Vol. 11 No.1, 1996.
30. RAVI KUMAR GUPTA, RAJ BAHADUR & MANDEEP SINGH DHILLON: Anterior dislocation of first metacarpophalangeal joint with myositis Bull PGI Vol 12,2, 1997.
31. MANISH CHAHA & RAJ BAHADUR: Management of unstable Thoracolumbar Fractures, CMJ Vol.IV No.2 page 52-58 1998.
32. MANISH CHAHA & RAJ BAHADUR: Steffee variable screw placement system in the management of unstable thoracolumbar fractures: A third world experience, Injury Volume 29, No.10, 737-742, 1998.
33. P N GUPTA & RAJ BAHADUR: Cervical spondylosis, CMJ VOL.III No.8, 1998.
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35. P N GUPTA, M S GUPTA & RAJ BAHADUR: Statistical analysis of clubfeet in children accepted in Indian Journal of Orthopaedics Vol.33, No.1 January,99 PP 17-18.
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39. RAVI KUMAR GUPTA, P N GUPTA, RAJ BAHADUR: Cervical Spine Injuries-Recent trends in stabilization. Vol.V, No.10, January 2000.
40. M KAUSHAL, R K SEN, RAJ BAHADUR: Orthopaedics for the next millennium, Vol.V, No.11, February 2000.

41. GUPTA PN, GUPTA RK, RAJ BAHADUR: Management of Fracture Shaft of Femur – Recent Trends. CMJ June 2000.
42. GUPTA PN, GUPTA RK, BAHADUR RAJ: Orthopaedic Shoes-CMJ May 2006.
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44. M KAUSHAL, R K BANTA, R K SEN, M S CHABRA, RAJ BAHADUR. Hospital Preparedness Status in Mass Casualty Management: Indian Journal of Orthopaedics, Vol34, No.2, April 2000.
45. GUPTA PN, GUPTA RK & BAHADUR RAJ, Femoral shaft fractures in Adults – Trends in Management. Current Medical Journal of North Zone Vol.VI
46. KUMAR SUDHIR, RAJ BAHADUR-Disaster and Orthopaedic Injuries: Current Medical Journal Vol.VII, No.1 April, 2001.
47. RAJ BAHADUR, KUMAR SUDHIR – Pain in the upper limb- a diagnostic enigma: Current Medical Journal Vol.VIII, No.1, May 1, 2001.
48. KUMAR SUDHIR, RAJ BAHADUR – malignant bone tumours, Principles of management. Current Medical Journal Vol.VIII, No.2, June 2001
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50. GUPTA PN, BAHADUR RAJ & SHYAM RADHE: Unusual presentation of fracture dislocation of thoracic spine- a case report-Indian Journal of Orthopaedics, Vol.35 No.1 January, 2001.
51. GORAYA J, PARMAR VR, GUPTA PN, GUPTA RAVI KUMAR, BAHADUR RAJ. Anticonvulsants Induced Osteomatacia. A report of three cases-Indian Paediatrics.
52. GUPTA RK, DHILLON S, BAHADUR RAJ, AGGARWAL SAMEER K, NAGI ONKAR. Multifocal involvement of foot in tuberculosis. J.Foot Surg(Ind) 2000: XV (1): 55-59.
53. GUPTA RK, GUPTA PN, BAHADUR RAJ- Management of Gouty Arthritis. Current Medical Journal –North Zone 2001 October, 72(5): 514-7.
54. DHILLON MS, GUPTA RK, BAHADUR R. NAGI O N: Tuberculosis of the Sternoclavicular joints. Acta Orthop Scand 2001, October, 72(5): 514-7.
55. P L BASANGOUDAR, P N GUPTA, R BAHADUR, M S DHILLON: Tuberculosis of the Clavicle Presenting as an Expansile Lytic lesion – A case report. Acta Orthopaedic Belgica, Vol.67-5-2001: 505-509.

56. DUHAN SANJAY, GUPTA R, GUPTA PN, BAHADUR R. Osteoarthritis Recent Advances in Management. Current medical Journal –North Zone 2002, March: VII (12) 13-2004.
57. KUMAR RAVI, GUPTA PN, PILLAY D.S, BAHADUR R: Frozen Shoulder, Current Medical, North Zone 2001.
58. BHANOT C, GUPTA R K DHAN S, BHAHDUR R- Trauma Hip dislocation in Child – A case report and review of the literature – Punjab Journal of Orthopaedics April 2002: Volume 5: 59-62.
59. RAJ BHADUR, KUMAR S. Operative Techniques in Spinal Surgery. Distributed to delegates attending the international workshop on spinal surgery at Dhaka, Bangladesh. 2002.
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61. GUPTA RAVI, PARVEEN LB, BAHADUR RAJ- Double dislocation of great toe. Accepted J Foot Surgery, December, 2003.
62. GOYAL P. GUPTA RAVI, BAHADUR RAJ- Pregnancy with Potts paraplegia. Accepted, Journal Indian Medical Association (JIMA).
63. ARUN BHANOT, RISHI KAUSHAL, RAHUL BHAN, P P N GUPTA, RAVI GUPTA, RAJ BAHADUR. Fracture of Posterior process of Talus – A case report. In Press-Injury.
64. RAVI GUPTA, PN GUPTA, BAHADUR RAJ, ASHISH – Long Bone fractures in Osteopetrosis: awareness of primary Pathology and appropriate preoperative planning is must to avoid pitfalls in fixation. In Press-Injury.
65. RISHI KAUSHAL, P N GUPTA, RAVI GUPTA, RAJ BAHADUR- distal humeral epiphyseal separation associated with radial nerve palsy in a neonate as a result of birth trauma. In Press-Injury Extra.
66. GUPTA P N, KAUSHAL RISHI, KUMAR SUDHIR, GUPTA RAVI, BAHADUR RAJ. Monteggia Fracture dislocation in a Neonate Resulting from Birth Trauma – A case Report. Accepted Pending revision –General of Orthopaedic Trauma.
67. RAJ BAHADUR & Aarti Diwan: Kyphoplasty Punjab Journal of Orthopaedic, 2007.
68. RAJ BAHADUR & AARTI DIWAN: Advances in Osteoporosis treatment Punjab Journal of Orthopaedics, 2007.
69. RAJ BAHADUR, SARABJEET SINGH: Cauda equina syndrome Study of fifty cases. J Neurosurgery (Accepted)

70. RAJ BAHADUR, SARABJEET SINGH: Clinico Radiological evaluation of Surgery in Lumbar Cord Stenosis in 35 cases (J. Neurosurgery) (Accepted).
71. RAJ BAHADUR, NITESH GAHLOT : Prosthetic joint infection following total hip replacement: results of one – state versus two- stage exchange (Int Orthop. 2014).
72. RAJ BAHADUR - DR. GURSAGARDEEP SINGH- Pattern of bacterial flora in Grade 3B open fracture
73. RAJ BAHADUR - DR. MOHAMMAD SAGY- Comparative study of vacuum assisted dressing versus normal saline dressing in wound healing of open fracture
74. RAJ BAHADUR - DR. ARPANDEEP BRAR- Role of GeneXpert PCR in diagnosis of spinal tuberculosis.
75. RAJ BAHADUR - DR. ANKIT RAI- Role of PET scan in diagnosis of Spinal tuberculosis
76. RAJ BAHADUR - DR. DEEPAK GARG- Comparative Study Of Morphometry Of Cervical Vertebral Pedicles And Bodies (C3 To C7) In Cadavers Manually And On Multidetector Computerized Tomography
77. RAJ BAHADUR - DR. SHANTI- The Role Of Neurophysiological Studies In Predicting Outcome After Lumbar Discectomy
78. RAJ BAHADUR - DR. SORABH GARG- Comparison of transforaminal and caudal epidural steroid injections outcome for the treatment of lumbar radiculitis.
79. RAJ BAHADUR - DR. KARAN RAJPAL- Comparison Of Role Of Gelfoam And Autologous Adipose Tissue In Prevention Of Postoperative Epidural Fibrosis In Lumbar Spine Surgery
80. RAJ BAHADUR - DR. GYPSY GARGI- A Comparative Study Of Outcome Of Percutaneous Versus Open Pedicle Screw Fixation For Treatment Of Thoracolumbar Fractures In Patients With No Neurological Deficit.
81. RAJ BAHADUR - DR. GURJIT SINGH- A Study To Assess The Efficacy Of Intrawound Application Of Vancomycin As Add On Therapy To Systemic Antibiotics In Spine Surgery
82. RAJ BAHADUR – JAGDEEP SINGH – SORABH GARG – KARAN RAJPAL – KARAN CHOPRA – Clinical Outcome in Giant Cell tumor of cervico-thoracic spine : Our experience with three cases.

83. RAJ BAHADUR - VARUNAGGARWAL, CHANDNI MAHESHWARI, AMIT NARANG, JAGDEEP ATWAL - Lessons Learned from a Migratory Intradural Extramedullary Schwannoma: A Case Report with Review of the Literature. World Neurosurgery
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87. RAJPAL K, SINGH J ,BAHADUR R,BANSAL K,SHYAM R,KHATRI K.- Postoperative Epidural Fibrosis Prevention: Which Is Better - Autologous Fat versus Gelfoam. Asian Spine Journal

CURRENT HIGHLIGHTS

- Contributed abundantly in the recruitments of State of Punjab for various different Departments of Government of Punjab which includes Doctors, Medical Officers, Staff Nurses, Multipurpose Health Care Workers, Paramedics, Clerks, Assistants, Technicians etc. In these recruitments, there were numerous cadres, the selections of which earlier used to be done through PPSC. All these recruitments have been done in a very phased and transparent manner and as such there is zero like litigation qua these recruitments.
- **During the phase of COVID-19 pandemic**, has remained active vital member of **the Government of Punjab**, whereby commanded the responsibility of testing in the State of Punjab and created/upgraded seven (7) COVID Labs in a very short span and thereby procured equipment, kits, consumables and manpower. At present, the testing capacity in the State of Punjab has reached to 50000 samples per day which is significantly a big figure as compared to many other States of country.

- **Since the Government has appreciated the Services during COVID - 19 and honoured with STATE AWARD - 2021, so thereby reposing abundant faith upon the working, the Government of Punjab, Department of Health & Family Welfare has entrusted the responsibility of establishing more new labs in all the Civil Hospitals of 20 Districts of Punjab which shall include recruitment of Manpower, procurement of equipment, kits and consumables etc.**