



Dr PRIYANK UNIYAL

MBBS, DNB ORTHOPAEDICS, MNAMS

Clinical Fellow Minimal Invasive Spine Surgery, South Korea (FMISS)

Fellowship in Interventional Pain Management

Visiting Professor RUSH Medical Centre, Chicago, Illinois, United States

Fellow American Board of Minimally Invasive Spine Surgeons (FABMISS)

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SENIOR CONSULTANT SPINE SURGEON

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Professional Summary

I am a National Board certified Orthopaedic Spine Surgeon & have Fellowship training in **Minimally Invasive Spine Surgery at Wooridul Spine Hospital, South Korea** which is one of the largest spine hospitals in the world. My special expertise are **Endoscopic Spine Surgery & Minimally Invasive Spine Surgery(MISS)**.

I am presently working at **MAX SUPERSPECIALITY HOSPITAL, DEHRADUN, INDIA** as **SENIOR CONSULTANT SPINE SURGEON** since 26.12.2016.

I am an international faculty in various Spine Conferences around the world and have **operated spine cases in Turkey, South Korea and Thailand.**

I am one of the **leading Endoscopic Spine Surgeon** performing **maximum Percutaneous Endoscopic Lumbar Discectomy (PELD) under local anaesthesia in India. I train many visiting fellows in endoscopic discectomy from all across the globe (Iraq, Iran, Kuwait, Turkey, Egypt ...etc).**

I am a **peer reviewer and editorial board member** in leading spine journals such as **SPINE J (Philadelphia), Journal of International Medical Research** and in many more. I have many national and International publications. I am a steering committee member of **World Congress of Minimal Invasive Spine Surgery and Techniques (WCMISST)**. I am trainer for various **endoscopic spine and cadaveric Spine workshops.**

MBBS : Sarojini Naidu Medical College Agra, INDIA.(2008)

ORTHOPAEDICS TRAINING : National Board of Examinations, New Delhi, INDIA.(June 2013)

FELLOWSHIP MINIMALLY INVASIVE SPINE SURGERY : Wooridul Spine Hospital, Republic of Korea.(28.12.2015 to 26.11.2016)

Fellow American Board of Minimally Invasive Spine Surgeons (FABMISS) May 2016
Australian Medical Council part 1 cleared

Competencies

- Outstanding clinical decision making in Spine Surgery.
- Adequately trained to manage Spine trauma and related casualty.
- Excellent in Patient focused selection of treatment modality and counselling.
- Active participation in Clinical and research projects of Hospital & teaching presentations for spine fellows.
- Proficiency in English language.
- Team spirit.
- Results-oriented working habit

Work experience

International Fellow Minimally Invasive Spine Surgery at Wooridul Spine Hospital, South Korea (28.12.2015 to 25.12.2016)

- Attending OPD, wards and pain clinics.
- Conducting conferences and establishing practice Simulator labs for trainees.
- Operating and assisting all endoscopic and Minimally Invasive Spine surgeries.
- Active participation in Clinical research and publications.
- Pain management and Nerve Blocks
- Discographies
- Vertebroplasties, Kyphoplasties

Advance Spine Training at All India Institute of Medical Sciences (AIIMS), INDIA

- Well trained to dealt with various Spine pathologies like Pott's Spine (infective diseases), Degenerative, Congenital, Traumatic and Malignant.
- Worked and Trained under Specialized Spine Surgeons.
- Operated various recent surgical methods like Microscopic discectomies, Uni bilateral laminectomy (UBL) Vertebroplasty, Kyphoplasty, Percutaneous Spinal Fusions, discographies and Transpedicular biopsies .
- Well versed in reading MRI, CT scan, spinal contrast and radionuclide scans.

Worked as Senior Registrar in Spine Unit at **North DMC Medical College & Hindu Hospital** New Delhi for 8 months.

Worked as Associate **Consultant Orthopaedics Spine Unit KIMS Superspeciality Hospital**, Bilaspur, India.

Registration Details/License

- Medical Council of India (**Regn.No.57056**)
- Delhi Medical Council (**Regn.No.43286**)
- Uttarakhand Medical Council (**Regn.No.2949**)

Membership/Certificates

- Steering Committee Member of **World Congress of Minimal Invasive Spine Surgery and Techniques (WCMISST)**
- Member of **Association of Spine Surgeons** of India (ASSI).
- Member of **Minimally Invasive Spine Surgeons(MISS)**, India
- Member of **North American Spine Society (NASS)**.
- Member of Indian Orthopaedic Association.
- Attended 15th **KOMISS** meet in Jeju, Republic of Korea, June 2016.
- Participation in 5th **Asia MISS**, Republic of Korea, June 2016.
- Life member of International Society for Knowledge for Surgeons on Arthroscopy and Arthroplasty (ISKSA).
- Certificate at Bangalore Shoulder Course 2013.
- Certificate Karnataka Orthopaedics Association 2014
- AO basic course.
- Ilizarov and external fixator workshop Bangalore 2014.
- Certificate of merit in Medicine in final professional examination 2008.

International Manuscripts/Chapters/Publications/Paper Presentations

- Priyank Uniyal¹, Gun Choi, Zoheir Hassan, Bhupesh Patel, JH Lee and Wook Ha Kim "**Epiduroscopic Assisted Percutaneous Endoscopic Lumbar Discectomy**": A Technical Report **J Neurological Disorders** Oct 2016 DOI: [10.4172/2329-6895.1000306](https://doi.org/10.4172/2329-6895.1000306)

- Gun Choi,¹ Priyank Uniyal,¹ Zohier Hassan Bhupesh Patel **“A New progression towards a safer Anterior Percutaneous Endoscopic Cervical Discectomy : A Technical Report” J Spine** Aug 2016 DOI: [10.4172/2329-6895.1000306](https://doi.org/10.4172/2329-6895.1000306)
- Priyank Uniyal¹, Gun Choi¹ **“Percutaneous transpedicular lumbar Endoscopic discectomy- Technical report”**. *International Journal of Spine Surgery*, September 2016 DOI: [10.14444/3031](https://doi.org/10.14444/3031)
- Priyank Uniyal,¹ Gun Choi¹ **“Carbondioxide (CO2) Laser assisted Microscopic Spinal Surgery for ablation of High level Lumbar calcified disc osteophyte Complex - Case Report” IOSR** Oct’ 16 *Volume 15, Issue 11 Ver. I (November 2016), PP 105-111*
- Priyank Uniyal¹ , Gun Choi¹ Bhupesh Patel¹ **“Prospective double blind randomized control trial for the use of inj epinephrine in infiltration fluid of lumbar endoscopy- surgeon rated visualization” J Spine and Neurosurg** Nov’ 16
- Textbook of Endoscopic cervical spine procedures-Thieme publications.
- Chapter-**“ Endoscopy in Cervical and Thoracic Spine”** Gun Choi,¹ Priyank Uniyal¹ **Jaypee publications pvt**, India.
- Feasibility of working channel Endoscope in central spinal stenosis decompression - cadaveric study.
- Ch- History Of Percutaneous Endoscopic Cervical procedures Ch – Endoscopic Surgical Instruments Ch – Operating Room Set UP Ch – Laser & Radiofrequency in cervical Percutaneous Procedures. Ch- Anaesthesia in Percutaneous Endoscopic Cervical procedures Section 2 Percutaneous Endoscopic Anterior Cervical Discectomy (PECD) Ch- Practical Anatomy Ch – Patient selection Ch- Surgical technique Ch– Post Operative protocol Ch- Complications Ch- Outcome measures Ch- Case Illustrations Ch- Future Development
- Ch- Endoscopic Spine Surgery for Adolescent, Journal of Korean Neurosurgical Society
- Uniyal Priyank, Reddy D Srinivasa, Bharath B.N, **“Comparative study of clinical outcome of arthroscopic anterior cruciate ligament reconstruction bone patellar tendon bone graft v/s hamstring graft”** Journal of evidence based medicine and healthcare, August, 2015, Vol-2, Issue-33, Page: 5000-5015.
- **“Comparative Study Between DHS and PFN in the management of Intertrochantric fractures”** thesis to National Board of Examination and Karnataka Orthopaedics Association Journal, June 2014.
- **“Comparative Study Between Titanium Elastic Nailing (Tens) And Dynamic Compression Plating (Dcp) In The Treatment Of Femoral Diaphyseal Fractures In Children”** Journal of evidence based medicine and healthcare /Vol 2/Issue 32/10 Aug 15”.
- **“Management of recurrent Hydatid Cyst of Spine”** paper presentation at CME Orthopaedics AIIMS Rishikesh May 15’.
- **2 Paper presentations at World Congress of Minimally Invasive Spine Surgery and Techniques (WCMISSST) in Jeju, Republic of Korea**
- **International Faculty** at International Didactic symposium in Pohang, Korea January 16 & June 16.

- **International Faculty Cadaveric Workshop, Disc-Fx at King Chulalongkorn Hospital, Bangkok, Thailand October 2016**
- **Faculty 6th ASEAN WCMISST, Bangkok, Thailand**
- **Faculty MIS spine course MS Ramaih Medical College, Bengaluru nov 2017**
- **Faculty Ahmadabad Endoscopic Spine Course march 18**
- **International Faculty, and Visiting Spine Surgeon, Medicana Hospital, Istanbul, Turkey Aug 2018**
- **NASS faculty 2019, Chicago, Illinois, United States**

Skill Mastered

Spine

- 1) **Percutaneous Laser Assisted Endoscopic Cervical Discectomy. (PECD)**
- 2) **Percutaneous Laser Assisted Endoscopic Cervical Annuloplasty & Nucleoplasty. (PECAN)**
- 3) **Percutaneous Laser Assisted Endoscopic Posterior Cervical Foraminotomy.**
- 4) Percutaneous Laser Assisted Endoscopic Cervical Decompression.
- 5) Percutaneous Radiofrequency Cervical Rhizotomy.
- 6) **Microscope Assisted Transcorporeal Cervical Anterior Foraminotomy.**
- 7) **Percutaneous Cervical Epidural Neurolysis.**
- 8) **Cervical Total Disc Replacement.**
- 9) **Anterior Cervical Discectomy Fusion.**
- 10) **Multilevel oblique corpectomy.**
- 11) **CV junction anomalies- C1-C2 dynamic compression extension reduction.**
- 12) Microscopic Posterior Cervical Muscle Preserving Laminectomy.
- 13) Microscopic Cervical Tumor Excision.
- 14) **Fluoroscopy Guided Cervical Root Blocks.**
- 15) **Percutaneous Laser Assisted Endoscopic Thoracic Discectomy.**
- 16) Percutaneous Radiofrequency Spinal Cord Detethering.
- 17) Navigation Assisted Dorsal Spine Corpectomy Fusions.
- 18) Percutaneous Radiofrequency Assisted Tumor Ablation.
- 19) Percutaneous Endoscopic Dorsal Spine Biopsy & Debridement.
- 20) XMRI Guided Percutaneous Endoscopic Discectomy.
- 21) **Percutaneous Laser Assisted Endoscopic Lumbar Discectomy. (PELD)**
- 22) **Percutaneous Laser Assisted Lumbar Annuloplasty- Nucleoplasty. (PELAN)**
- 23) Percutaneous Endoscopy Assisted Lumbar Biopsy & Debridement.
- 24) Percutaneous Navigation Assisted Lumbar Corpectomy Fusions.
- 25) **Percutaneous Fluoroscopy Guided Kyphoplasty.**
- 26) **Percutaneous Fluoroscopy Guided Vertebroplasty.**
- 27) **Percutaneous Laser Assisted Endoscopic Lumbar Decompression.**
- 28) Microscopic Artificial Lumbar Ligamentoplasty.
- 29) **Lumbar Total Disc Replacements.**

- 30) Percutaneous Trans-sacral Epidural Neurolysis.
- 31) Percutaneous Radiofrequency Dorsal Root Rhizotomy.
- 32) Fluoroscopy Guided Lumbar Transforaminal Epidural Blocks.
- 33) Microscopic Tumor Excision.
- 34) Microscopic Tubular Retractor Assisted Discectomy.
- 35) Microscopic Muscle Preserving Lumbar Laminectomy Decompression.
- 36) Anterior cervical discectomy and fusion (ACDF)
- 37) Posterior cervical foraminotomy.
- 38) Microscopic thoracic discectomy.
- 39) Microsurgical excision for spinal tumors.
- 40) Percutaneous spinal fixation.
- 41) Percutaneous spinal fusion (MIS- TLIF)
- 42) Lumbar laminectomy decompression

Professional References

1. Dr GUN CHOI

President of Wooridul Spine Hospital, Republic Of Korea
President of World Congress of Minimally Invasive Spine Surgery and Techniques (WCMISST)
Executive of Asian Congress of Minimally Invasive Spine Surgery (ASIA-MISS)
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2. Dr. PANKAJ KANDWAL, HOD and Professor All India Institute of Medical Sciences(AIIMS) Spine Fellow NUH Singapore 2012, APOA Spine Fellow, Japan
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3. Dr Prof A.K Singh, Director Max Institute of Neurosciences, Dehradun(MIND)
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4. Dr. Brig. H.C. Pathak, Head of neurosurgery, Max Institute of Neurosciences, Dehradun(MIND)
pathak_harishchandra@yahoo.com +919818374432

5. Dr.MAHADEV JATTI, MS Orth Mch Liverpool UK, Chief of Orthopaedics and Spine Surgery Mallya Hospital, Nova Hospital Bengaluru
mahadevjatti@gmail.com +919980530358

Extra Curricular Activities

- Trekking to various expeditions in Himalayan Mountain Ranges in Uttarakhand, INDIA
- State level cricket player

- Table Tennis Zonal level player
- Swimming, Cycling, Football, Badminton, Golf.