FELLOWSHIP IN INTERVENTIONAL ORTHOBIOLOGICS - ORTHORHEUMATOLOGY

(FEIORA)

8th Batch · 2027

STARTING FEB 2027

Under the aegis of the Indian Stem Cell Study Group, affiliated to Dr. Ram Manohar Lohiya National Law University, Lucknow — in academic collaboration with the Trans European Stem Cell Society (TESCT) and the Indian Orthopaedic Rheumatology Association (IORA)

FEIORA — Two-Year Programme	**FEIORA — One-Year Programme**
Interventional Orthobiologics & Orthorheumatology ·	Orthorheumatology

WHY THIS FELLOWSHIP

Globally, Orthobiologics and Orthorheumatology are emerging subspecialties of Orthopaedics that holds the future of treating certain challenging conditions such as osteoarthritis, uncontrolled rheumatoid arthritis, avascular osseous necrosis, and a range of inflammatory arthropathies . These mentioned conditions remain difficult to manage with traditional treatment options.

Regenerative Orthobiologics and Orthorheumatology are largely absent from conventional orthopaedic curricula. FEIORA was created to close this gap — equipping orthopaedic surgeons with the fundamentals, current evidence, effective treatment protocols, and legal framework needed to practise regenerative orthopaedic medicine responsibly. There is no comparable structured programme at the national or international level, making FEIORA a unique academic joint venture.

FELLOWSHIP AIM

To train young orthopaedic surgeons in interventional orthobiologics and orthorheumatological clinical practice, through a structured, mentor-led, research-oriented curriculum.

PROGRAMME HIGHLIGHTS

- Duration: 24 months (FEIORA) or 12 months (Orthorheumatology only), with online classes 2–3 times a month plus offline classroom training at Surat, Trichy, or Lucknow.
- Hybrid delivery — online lectures combined with offline practical and classroom modules.
- Mandatory clinical training updates at the International Conferences of IORA and ISCSG, along with associated workshops; non-attendance may lead to discontinuation of the fellowship.
- Curriculum includes the legal aspects of regenerative medicine and orthorheumatology, with guidance on medical litigation in clinical practice.
- Fellows must deliver one academic presentation at both the ISCSG and IORA conferences.

- Academic collaboration established by ISCSG with a reputed university, international society, and IORA.
- Jointly awarded by ISCSG, IORA, and the collaborating university / institute / society.
- Graduates may append FEIORA (Fellowship in Interventional Orthobiologics & Orthorheumatology) to their credentials; the one-year track confers FEIORA (Orthorheumatology).

Clinical observership is currently offered at SRKRC, Surat (NABH-accredited Regional Blood Transfusion & Research Centre), MCRC, Trichy, and select orthorheumatology centres. Fellows gain exposure to the medical, surgical, and rehabilitation dimensions of orthopaedic rheumatology, basic and advanced orthobiologics, and the medico-legal landscape surrounding both.

ELIGIBILITY & SELECTION

Age limit	Under 45 years
Membership	Life member of ISCSGA and IORA
Clinical experience	Preferably 2 years post-Master's (or equivalent) in Orthopaedics, or 3 years post-Diploma in Orthopaedics
Academic record	Minimum 2 research publications
Research infrastructure	Able to conduct research at a home institute with an Institutional Ethics Committee
Intake & selection	7 fellows per sub-programme; selection by interview and clinical test (if required)

SUBMISSION OF DOCUMENTS & FEES

Documents, course fees, and related paperwork must be submitted only by Speed Post (online submission is not accepted except International; candidates), to the address below:

Prof. Dr. Manish Khanna
Apley Orthopaedic Centre
1/9 Vastu Khand, Gomti Nagar, Lucknow – 226010

COURSE CURRICULUM — 8TH BATCH

Sl. No.	Exposure
1	**Induction at Lucknow — 2 days of training covering:** ▪ Basics of Regenerative Clinical Medicine ▪ Basics of Orthorheumatology ▪ Research, analytics & manuscript writing ▪ Legal aspects of orthobiologics use
2	Online lectures covering various aspects of Regenerative Orthobiologics & Orthorheumatology
3	Trichy / Surat / Chennai — 2 days (subject to fellow's availability): practical exposure to the basics of stem cells and regenerative orthopaedic procedures
4	Oral presentations and assigned academic work, with regular review and podium presentation at ISCSG & IORA conferences (twice a year — four times across the course). Attendance at other ISCSG / IORA workshops is optional.
5	Lucknow — Final exit examination
6	Convocation at the next ISCSG / IORA annual conference

Boarding arrangements for offline teaching sessions will be facilitated by ISCSG; related costs are to be borne by the fellows.

APPLICATION REQUIREMENTS

Applications for the 8th Batch close on the date notified by the National Course Chief. Candidates must submit:

- **Letter of Intent** — why the candidate should be included in the programme (minimum 250 words)
- **Statement of Purpose** — how the fellowship will help the candidate (minimum 250 words)
- **Brief CV** — not exceeding 3 pages
- **Degree certificates** — MCI / NMC-recognised certificates for undergraduate and postgraduate qualifications
- **Abstract proposal** — 350 words, outlining research work planned during the fellowship
- **Letters of recommendation** — two, from previous mentors or an eminent national / international authority in Orthobiologics / Orthorheumatology

FEIORA NATIONAL COURSE CHIEF

Dr. (Prof.) Manish Khanna, MS, FIMSA

National Course Chief, FEIORA · Orthopaedic Rheumatologic Surgeon & Regenerative Orthobiologist

- Founder & Advisor, IORA
- Founder Chairperson, ISCSG Association
- Past Chair, Educational Day Committee, SICOT
- Provost, International Journal of Orthorheum & Editor-in-Chief, Textbook of Orthorheum (Jaypee)

Email: drmanishkhanna@gmail.com

SYLLABUS FOR FEIORA

Module 1 — Introduction

- Introduction to Regenerative Medicine
- Introduction to stem cells
- Introduction to medico-legal aspects
- Orthorheumatology — Introduction
- Approaching mono / polyarthritis
- Management of rheumatoid and associated arthropathy
- Gouty arthritis and CPPD

Module 2 — Platelet Biology

- Platelet-rich plasma — preparation, types of PRP, pre- and post-procedural care
- Platelet-rich fibrin — preparation, types of PRF
- Application of platelet products in various diseases

Module 3 — Regenerative Medicine

- Basic stem cell biology
- Various sources of stem cells
- Characterization of stem cells
- Clinical uses in medical sciences
- Orthobiologics

Module 4 — Cellular Therapy & Bone Marrow Concentrate

- Harvesting of bone marrow
- Preparation of BMAC

Module 5 — Mesenchymal Stem Cells (MSCs)

- Biology of MSCs
- Characterization of MSCs
- Sources of MSCs — bone marrow, adipose tissue, placental, amniotic fluid, and miscellaneous sources

Module 6 — Orthobiologics Application

- Osteoarthritis (OA)
- Avascular necrosis (AVN)
- Critical limb ischemia (CLI)
- Delayed and non-union