



FELLOWSHIP IN ORTHOPEDIC RHEUMATOLOGY

2020 onwards we had started “Fellowship in Orthopedic Rheumatology” under aegis of **Indian Orthopaedic Rheumatology Association (IORA)** affiliated to Dr Ram Manohar Lohiya National Law university with the laid down criteria (mentioned below)

The duration of fellowship would be for one year with classroom & proposed online contact program (twice 1st, 3rd Sunday of every month along with some extra lectures per month and case discussion sessions). From Nov onwards every month two fellows would be presenting their assignment ppts or IFRO-FEIORA Journal Club. There will be hospital and clinical observations as well. The finer details of the course module for this fellowship will be laid out by the scientific committee members of IORA and will be shared at appropriate juncture with all the stakeholders. The RML law university of repute would be roped in to award this prestigious fellowship.

Globally, regenerative science in orthopaedics holds the future to treating certain conditions where clinicians face stagnation and challenges in the available treatment modalities (*such as moderate stage of progressive osteoarthritis, uncontrolled Rheumatoid Arthritis, AVN head of Femur, DMD, etc.*) therefore the fellowship would endeavor to update and inbuild regenerative approach in the fellowship curriculum.

The affiliated law university would be taking care of insight & guidance into the challenging medical litigations in ortho-rheumatological clinical practice. The fellowship would be jointly awarded by the RML university and IORA in academic collaboration with ISCSG association. There would be onsite clinical observership / exposure at VISA hospital of Foot & Ankle Surgery in Chennai, advances in hand surgery at Pune.

The total duration would be of one year during where the fellows would be exposed to Orthopaedic Rheumatology (*Medical part, Surgical and Rehabilitation part of Orthopaedic Rheumatology specially to hand and foot surgeries observership*), regenerative science in Orthopedic Rheumatology, medical litigations around orthopaedic rheumatology and legal aspects of the proposed subject. A registered scientific ethics committee from Lucknow is in place for ethical approval of fellows' research journey and publication.

Course details

Duration – 12 months (online classes with few offline classroom training programmes at various subcentres including Lucknow, publication / project work and case based online discussion classes)

No of Fellows intake – 12-15

Selection criteria –

- i. Age -under 40 years of age can apply
- ii. Life member of IORA & ISCSG (If publication as a part of criteria is being fulfilled).
- iii. Two years of clinical experience for Postgraduates in MS/DNB Orthopaedics
- iv. Five years of clinical experience for Postgraduate Diploma in Orthopaedics

The surgeons who are meeting the above criteria will be intimated for the participation of fellowship under IORA and ISCSG. The fellows should have a previously demonstrated commitment in the subject.

Course curriculum

Sl. No	Exposure
1	Lucknow – 2 days training in basics of <ul style="list-style-type: none"> • Orthopedic rheumatological management. • Research, analytics & paper writing. • Legal aspect orthopaedic rheumatology
2	Oral presentations and other assigned academic work in either ISCSG or IORA conference or both
3	Chennai – 2 days <ul style="list-style-type: none"> • 2 days observership in foot, ankle surgeries at VISA hospital.
4	Pune – 2 days <ul style="list-style-type: none"> • 2 days observership in hand surgeries
5	Lucknow – Final two days exit event along with Viva, Practical, OSCE
Note: <ol style="list-style-type: none"> 1. It is mandatory for the fellows to attend the ISCSG/ IORA conference for oral presentation which is an integral part of Fellowship programme. 2. The fellows final/last contact would be to Lucknow for required academic work where he/she is expected to be in process of publishing an original or review article in indexed national or international journal. 3. At least 1 paper publication by the midterm of the fellowship is mandatory 4. Fellows who fail to publish a scientific paper will not be awarded the fellowship and the fellowship will be withheld. 5. Fellows will be graduated during next IORA/ISCSG conference 6. Attendance at all centers and completion of e-modules are mandatory for receiving the fellowship. 7. A score of 75% is expected for awarding the Fellowship 8. Fellows later can write in their resume Fellowship in Orthopaedic Rheumatology (FEIORA) 9. All contact will be onsite and online (e-modules will given for enhanced outcomes) 	

The stay arrangements would be facilitated by IORA during this period of teaching in Chennai, Pune and Lucknow but payments will be borne by the fellows. The course fee does not cover travel, stay, publication and conference expenses (*There would be a committee to resolve any difference of opinion, however in case of any dispute the decision of the Course head/Director would be final*) WE have a local tie up with a Hotel walking distance from the University campus.

The opportunity of learning and interaction would be of immense value to boost the scientific knowledge among the fellows. The prescribed textbook for teaching would be the “Textbook of Orthopaedic Rheumatology” .

Applications should be made stating

- a) Letter of Intent - *Why the candidate should be included in the fellowship program?*
(Min 250 words)
- b) Purpose – *How the fellowship will help the candidates' career plan?*
(Min 250 words)

List of documents needed with the application:

1. Brief CV
2. MCI/ NMC recognized Degree/ Certificates (MCI, Degree of MBBS and Higher Qualification)
3. Certificates of attendance – National & International Conference in the field concerned
4. Abstract proposal (350 words) for research work during fellowship
5. Two letters of recommendation by members of IORA and or ISCSG with 5 years of standing.

Applications may be sent by email to drmanishkhanna@gmail.com and CC to manishvenus@rediffmail.com

Closing Dates for submitting request – **15 th March 2022** Later, On line interview would be conducted by course director before finalizing the names of Fellows as the candidates for Fellowship .

Orthopaedic Rheumatology faculties

**Prof. Dr. Manish Khanna,
Prof S S Jha
Prof Dileep Mazumder
Prof Alok C Agarwal
Prof Shantanu Lahkar
Dr. Madhan Jeyaraman,
Dr. Sathish Muthu,
Dr Karthikeyan Iyengar (United kingdom)
Dr Chinmoy Das
Dr Shweta Agarwal
Dr Pankaj Jindal
Dr T V Raja
Prof Vikas Trivedi
Dr. Girinivasan Chellamuthu**

**Research Methodology Faculty
Dr Anamika pandey
Dr Nikita Pandit**

**Law Faculty
Dr A K Pandey ,DR RMLNLU,LKO**

Course Flow

- a. Induction – Lucknow
- b. Research Topic Allocation
- c. Online lectures
- d. Research Proposal submission
- e. IEC Approval
- f. Offline demonstration– Chennai,Pune
- g. Synopsis Submission
- h. Final Research Publication
- i. FEIORA Exit Exam – Lucknow

FEIORA
National Course Chief
Dr (Prof) Manish khanna MS FIMSA
Orthopaedic Rheumatologic Surgeon & Regenerative Orthobiologist

President Emeritus,IORA
Chartered President,ISCSG Association
(An all India registered organization)
Chairman,ISCSG Trust

Syllabus for FEIORA

Module 1: Introduction (1 month)

- 1.1 Introduction to Orthopaedic Rheumatology
- 1.2 Introduction to Regenerative Medicine
- 1.3 Introduction to Medico-legal aspects

Module 2: Rheumatoid arthritis (1 month)

- 2.1 Rheumatoid arthritis – Pathology and Immunology
- 2.2 Clinical presentation and deformities of rheumatoid arthritis
- 2.3 Diagnosis and management of rheumatoid arthritis
- 2.4 Biological therapy in rheumatoid arthritis
- 2.5 Regenerative science in rheumatoid arthritis
- 2.6 Juvenile rheumatoid arthritis

Module 3: Seronegative spondyloarthropathies (1 month)

- 3.1 Seronegative spondyloarthropathies
- 3.2 Ankylosing spondylitis
- 3.3 Surgical management in sero neg spondyloarthropathy
- 3.4 Regenerative science in seronegative spondyloarthropathies

Module 4: Cartilage, joint and bone disorders (1 month)

- 4.1 Osteoarthritis – Pathology, diagnosis, management
- 4.2 Regenerative science in osteoarthritis
- 4.3 Crystal deposition disease – Gout, Pseudogout, Alkaptonuria
- 4.4 Osteoporosis – Basics, diagnosis, management and recent advances
- 4.5 Periarthritis shoulder, variant arthropathies ,Perthes disease

Module 5: Ortho Rheumatology Variants (1 month)

- 5.1 Soft tissues tumors & tumor like lesions
- 5.2 Enthesopathies – Tennis elbow, Golfer's elbow, Tendinopathies (Patellar, Achilles and Supraspinatus), Plantar fasciitis, Interscapular fibrofasciitis, de Quervain's tenosynovitis
- 5.3 Bursitis
- 5.4 Trigger points
- 5.5 Myofascial pain syndrome
- 5.6 Fibromyalgia

Module 6: Wrist ,hand ,Foot Orthorheumatology (1 month)

- 6.1 Rheumatoid wrist ,hand surgical correction
- 6.2 Carpal tunnel,arthritis of First Metacarpoph joint , various hand disorders
- 6.3 Rheumatoid Foot (including hallux) surgical corrections
- 6.4 Diabetic Foot

Module 7: Regenerative Orthopaedics (2 months)

- 7.1 Platelet derived products ,PRP with Recent advances
- 7.2 Biology, Types of stem cells
- 7.3 Mesenchymal stem cells
- 7.4 Sources of MSCs and its advantages
- 7.5 Applications of MSCs in various clinical conditions
- 7.6 Stem cell banking

Module 8: Medico-legal aspects (1 month)

Module 9: Research Methodology (15 days)

- 9.1 Levels of Evidence
- 9.2 Study types and their methodologies
- 9.3 Critical appraisal of Evidence
- 9.4 Ethical Committee
- 9.5 International guidelines on methodology reporting

Module 10: Publication ethics (15 days)

- 10.1 Code of research conduct
- 10.2 Authorship guidelines
- 10.3 Plagiarism
- 10.4 Citation techniques
- 10.5 Literature review techniques