

MUSCULOSKELETAL SOCIETY

THE ASSOCIATION OF
MUSCULOSKELETAL RADIOLOGISTS OF
INDIA



January 2025

Musculoskeletal Society - India

ॐ सर्वे भवन्तु सुखिनः सर्वे सन्तु निरामयाः । सर्वे भद्राणि पश्यन्तु मा कश्चित् दुःख भाग्भवेत् ।

(May All be Happy, May All be Free from Illness,

May All See what is Auspicious, May no one Suffer.)



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MONTHLY NEWSLETTER

IJMSR - our journal

What's new in Skeletal radiology

President's message

Secretary's report

Member achievements

Publications

MSS in academics

MSS India Social Media

Forthcoming events

Bone pit

Compiled by Dr. Ankur Shah & Dr. Akanksha Agarwal for MSS

Indian Journal of Musculoskeletal Radiology

Official publication of the Musculoskeletal Society (MSS)

Review latest developments in the field of Musculoskeletal Radiology

ISSN (Online): 2582-3396

Frequency of publication: Semiannual | **Language of publication:** English

Starting year: 2019 | **Format of publication:** Online

The Indian Journal of Musculoskeletal Radiology (IJMSR) is an open access peer-reviewed journal, committed to publishing high quality research and advancements in the field of Musculoskeletal Radiology.

- ✓ **Online submission**
- ✓ **Wider visibility through open access**
- ✓ **Higher impact with wider visibility**
- ✓ **Prompt review**

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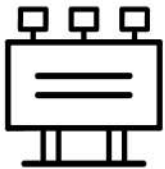
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Dr. Harun Gupta

Editor Newsletter: Dr. Ankur Shah



IJMSR billboard

Case Report

Ultrasound acting as a guiding light in the diagnosis of posterior interosseous nerve entrapment at ligament of Frohse – A case report

Isha Gupta, Vikas Jhanwar

DOI: 10.25259/IJMSR.60_2023

[CiteSpace](#) [0](#)

[Full text](#) [PDF](#)

Case Report

Soft-tissue tumor of myoepithelial origin in leg with secondary bone changes: A rare case report

Preksha Mukeshbhai Mer, Kavan Ashesh Parikh

DOI: 10.25259/IJMSR.20_2024

[CiteSpace](#) [0](#)

[Full text](#) [PDF](#)

Case Report

Traumatic prepatellar quadriceps continuation injury in an elite cyclist

Patrick Baker, Luthan Lam, Jason Jacob, Glen McKenzie

DOI: 10.25259/IJMSR.29_2024

[CiteSpace](#) [0](#)

[Full text](#) [PDF](#)

Review Article

Revisiting ultrasound assessment of median nerve in carpal tunnel syndrome: A review

Vaishali Upadhyaya, Hema Nalini Choudur

DOI: 10.25259/IJMSR.7_2024

[CiteSpace](#) [0](#)

[Full text](#) [PDF](#)



The Joint Effort: MSK Quiz

1. Interesting images/case-based quiz/worked up cases can be submitted in a quiz fashion. The first part of the quiz should consist of a basic question with images and relevant case details. The second part should include findings, diagnosis, discussion (with differentials) and references.
2. The maximum number of contributing authors should be three (3).
3. The maximum number of images is upto four (4) and the word limit for discussion is 150.
4. Upto five (5) references can be submitted with the discussion.
5. The cases will be judged on the basis of novelty, interesting teaching points, originality and after a thorough peer review.

WHY REVIEW FOR IJMSR?

BEING A REVIEWER WILL HELP YOU CONVERT YOUR MEMBERSHIP FROM ASSOCIATE CATEGORY TO LIFE MEMBERSHIP.

PREFERENCE FOR FUTURE MSS ACADEMIC ACTIVITIES WILL BE GIVEN TO REVIEWERS

[HTTPS://MSS-IJMSR.COM/JOIN-AS-REVIEWER/](https://mss-ijmsr.com/join-as-reviewer/)

WHAT'S NEW IN SKELETAL RADIOLOGY?

Utility of preoperative ultrasound in assessing the adequacy of autograft for anterior cruciate ligament reconstruction: a systematic review and meta-analysis

Stephen Fucaloro, Gabriella Schreiner ... Matthew Salzer
Scientific Article | 27 December 2024



Conventional radiography for the assessment of focal bone lesions of the appendicular skeleton: fundamental concepts in the modern imaging era

George R. Matcuk Jr., Leah E. Waldman ... Paolo Spinnato
Review Article | Open access | 24 December 2024



Xanthogranulomatous osteomyelitis: multimodality imaging of a rare case involving tibial diaphysis with review of literature

Shilpa Mohanan, Suryansh Bajaj ... Gitanjali Bajaj
Case Report | 23 December 2024



Characteristics of femur morphology and proximal femur bone mineral density in Japanese females with bisphosphonate-related atypical femur fractures

Koun Yamauchi, Chisato Kato & Takayuki Kato
Scientific Article | 22 December 2024



Comparison of patient radiation exposure and procedure time between CT-fluoroscopy and spiral CT for lumbar epidural steroid injections

Tina Shiang, Ged G. Wieschhoff ... Jacob C. Mandell
Scientific Article | 22 December 2024



Sameer's Musings

As James Clear said, decisions can be thought of as hats, haircuts, and tattoos, each category reflecting the weight and reversibility of the choice.

This framework helps us act decisively where it matters and pause thoughtfully where it counts.

Here's how it applies:

Hats: Decisions You Can Easily Change

Hats are low-stakes decisions.

Examples:

1. Picking what to eat for dinner or trying a new coffee shop. If it's not great, there's always another meal or café tomorrow.

Hats remind us not to overthink decisions that are easily reversible. The cost of failure is so low that trying more is often the best strategy.

Haircuts: Decisions That Take Time to Fix

Haircuts are medium-stakes decisions.

Examples:

1. Taking a new job in a field you're uncertain about. If it doesn't work out, you can move on, but it might take time to recover financially or professionally.

Haircuts teach us to weigh risks carefully without becoming paralyzed by fear. Even if the decision isn't perfect, you'll grow and recover.

Tattoos: Decisions That Leave a Permanent Mark

Tattoos are high-stakes decisions with lasting consequences.

Examples:

1. Deciding to marry someone or have children. These are life-changing commitments that will shape your future forever.

Tattoos remind us to slow down and think deeply about the few decisions that truly define our lives. Seek advice, reflect on your values, and be sure of your path before committing.

The Takeaway

Understanding which category your decision falls into helps you approach it with the right mindset:

- Hats: Be bold. Experiment freely, and don't fear failure—mistakes are fleeting.
- Haircuts: Take calculated risks. Most decisions can be fixed, even if they take time or effort.
- Tattoos: Slow down. The weight of irreversible choices demands patience, reflection, and clarity.

—Sameer Raniga reflecting on James Clear's thoughts



PRESIDENT'S MESSAGE

MESSAGE FROM THE PRESIDENT, MSS, INDIA – JANUARY 2025



Dear Members of the MSS,

The New Year has dawned on us, with consistent passage of TIME:
“Time uncontrollably flies over us, but leaves its impressions behind”
And the impressions are subjective, affecting all of us differently.
It constantly reminds me of the quickness of its passage

Here are some relevant thoughts which I wish to share with each of you, as you represent the cream persona, in the subset of MSK Imaging in Diagnostic and Interventional Radiology

Everywhere Technology and Applied Science is adopting computer algorithms to make an environment that is leading us to believe that it performs perfectly, improves efficiency, gathers wholesome knowledge and allows us to think of common, uncommon, exotic and almost everything that mankind knows on a particular subject.

This is of concern in many ways and have been intentionally put on the back burner by media and other social thinkers....

Use of computers is welcome, only if it is driven by man and his humaneness.

Deep concerns expressed by True Thinkers, who mean good for Mankind, need to be considered in all our thoughts, spoken words, and deeds performed by our hands...
A few of the concerns would be that AI is Heuristic in acquiring knowledge, filters all errors committed in the past, takes steps to be most efficient in all its functions. There is a danger that it will take over our control mechanisms and start functioning against mankind.

This must be contained by a disciplined approach to keep it manually controlled or else we will become complacent in all that we set out to do.

“I wish that our Society embraces Artificial Intelligence (AI) in our daily routine, professional work.” - a statement, I made in the December Newsletter, which I shall reiterate and emphasize again, that....
As true thinking, Clinical Radiologists we must learn Imaging Sciences properly, think over every action and prevent computer dependency and its control of our day-to-day work.

The Day is round the corner where we must adopt and integrate AI into all aspects of our Lives ...or else we will be left far behind.

As always, I earnestly appeal to one and all to write to us at secretarymssindia@gmail.com; addressing your emails to Dr Dharmendar Singh, Gen Secretary, MSS, India.

Jai Hind and Long Live MSS, India....!!

jayarajg
Dr Jayaraj Govindaraj,
President, MSS, India



As we continue to build and grow within our community, it is essential that we uphold the vision and values set forth by our founders. **I urge members to share cases for MICOD.** By bringing forward unique cases, challenges, and experiences, we foster an environment of continuous learning and knowledge-sharing.

Each case shared not only enriches our collective wisdom but also strengthens the bond between members.

- DK Singh



MEMBER ACHIEVEMENTS, OUR PRIDE



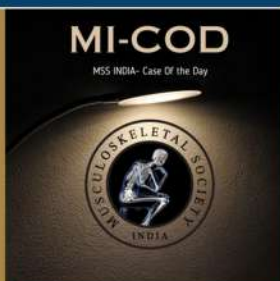
Ted talk on Musculoskeletal & Sports Radiology by Dr Gaurav K Sharma on December 14, 2024.

ECR 2025 FACULTY

Dr. Ankur Shah

Dr. VN Vara Prasad

Dr. Sikander Sheikh



Special appreciation for Dr. Suvinay Saxena, Dr Sruthi & Dr Praveen for on-time sharing of cases on a daily basis.


MEMBER PUBLICATIONS


Systematic Review/Meta-Analysis | Evidence Synthesis and Decision Analysis | February 1, 2023


Usefulness of MRI-Based Local Surveillance After Surgical Treatment of Musculoskeletal Soft-Tissue Sarcomas: A Systematic Review and Meta-Analysis


Authors: Natalia Gorelik, MD, Samir Paruthikunnan, MD, MMed, Aashna Uppal, MScPH, Ann-Margret Ervin, PhD, MPH, Agnihotram V. Ramanakumar, PhD, Andrea Quaiattini, MA, MLIS, James M. Brophy, MEng, MD, PhD, and Soterios Gyftopoulos, MD, MBA, MSc | [AUTHOR INFO & AFFILIATIONS](#)


Winner of the SRQ (La Société de radiologie du Québec) award for the best publication by a Radiologist for 2024.


**Indian Journal of
Musculoskeletal
Radiology**


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 English

Review Article
6(2);88-94
doi:10.25259/IJMSR_7_2024

**Revisiting ultrasound
assessment of median
nerve in carpal tunnel
syndrome: A review**

Vaishali Upadhyaya¹, Hema Nalini Choudur²

Ultrasound-Guided Partial Release of Transverse Carpal Ligament in Severe Carpal Tunnel Syndrome Using a Curved Needle

Nishith Kumar¹ Upinderjeet Singh¹ Dharmendra Kumar Singh¹ Alfa Shamim Saifi¹

Seven Golden Steps for Performing Safe and Effective Percutaneous C-Arm-Guided Vertebral Intervention

Upinderjeet Singh¹ Nishith Kumar¹ Alfa Shamim Saifi¹ Dharmendra Kumar Singh¹

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Role of Magnetic Resonance Spectroscopy and T2 Relaxometry as Imaging Biomarker of Early Lumbar Intervertebral Disc Degeneration
10.1177/21925682241311515

Global Spine Journal

Pushpa BT, Shanmuganathan Rajasekaran, Karthik Ramachandran, Muruges Easwaran, Shalini Ramadevi, Sri Vijay Anand K S, Ajo Shetty, Rishi Kanna

The Adductor–Rectus Angle: A Novel Magnetic Resonance Imaging Measurement in Healthy Adult Individuals

Saran, Sonal; Shirodkar, Kapil; Jenko, Nathan; Nischal, Neha; Beale, David; Panchal, Hiten Kumar; Ariyaratne, Sisith; Botchu, Rajesh [Less](#)

Journal of Arthroscopy and Joint Surgery. 12(1):9-12, Jan-Mar 2025.

MEMBER PUBLICATIONS

Soft tissue tumor imaging in adults: European Society of Musculoskeletal Radiology–Guidelines 2024: imaging immediately after neoadjuvant therapy in soft tissue sarcoma, soft tissue tumor surveillance, and the role of interventional radiology

Iris-Melanie Noebauer-Huhmann¹, Joan C Vilanova², Olympia Papakonstantinou³, Marc-André Weber⁴, Radhesh K Lalam⁵, Violeta Vasilevska Nikodinovska^{6,7}, Hatice T Sanal⁸, Frédéric E Lecouvet⁹, Ana Navas¹⁰, José Martel-Villagrán¹¹, Jacky W J de Rooy¹², Jan Fritz^{13,14}, Koenraad Verstraete¹⁵, Thomas Grieser¹⁶, Pavol Szomolanyi^{17,18}, Snehansh Chaudhary¹⁹, Luca Maria Sconfienza^{20,21}, Alberto S Tagliafico^{22,23}, P Diana Afonso²⁴, Omar M Albtoush²⁵, Giacomo Aringhieri²⁶, Remide Arkun^{27,28}, Gunnar Aström²⁹, Alberto Bazzocchi³⁰, Rajesh Botchu³¹, Martin Breitsenseher³², Danoob Dalili³³, Mark Davies³¹, Milko C de Jonge³⁴, Berna D Mete³⁵, Jan L M A Gielen³⁶, Geoff Hide³⁷, Amanda Isaac³⁸, Slavcho Ivanoski³⁹, Ramy M Mansour⁴⁰, Catherine McCarthy⁴¹, Lorenzo Muntaner-Gimbernat⁴², Paul O'Donnell⁴³, Şebnem Örgüç⁴⁴, Winston J Rennie⁴⁵, Santiago Resano⁴⁶, Philip Robinson^{47,48}, Simone A J Ter Horst^{49,50}, Kirsten van Langevelde¹⁰, Klaus Wörtler⁵¹, Marita Koelz⁵², Joannis Panotopoulos⁵³, Reinhard Windhager⁵³, Barbara J Fueger⁵⁴, Maximilian Schmid⁵⁵, Filip M Vanhoenacker^{56,57}

The Rotator Interval Bursa (RIB) Technique: Sequential Rotator Interval and Subacromial Subdeltoid Bursa Injection

Neha Nischal¹, Chetna Mishra², Jatinder Pal Singh²

CC BY-NC-ND 4.0 · Indian J Radiol Imaging 2025; 35(01): 059-066
DOI: 10.1055/s-0044-1788607

Original Article Optimal Magnetic Resonance Sequence for Assessment of Central Cartilage Tumor Scallopings

Kapil K. Shirodkar, Nathan Jenko¹, Christine Azzopardi, Jennifer Murphy, Anish Patel, Steven L. James, Arthur Mark Davies, Rajesh Botchu

> Author Affiliations

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DOI: 10.1055/s-0044-1789190

Case Report Painful Os Peroneum Syndrome Secondary to Hydroxyapatite Deposition Disease

Shashank Chapala, Vijay Ram Kumar Papineni¹, Asad Rabbani Shah, Moez Ballal, Karthikeyan P. Iyengar², Rajesh Botchu

CC BY-NC-ND 4.0 · Indian J Radiol Imaging 2025; 35(01): 139-147
DOI: 10.1055/s-0044-1787667

Review Article Supraspinous Fossa: Anatomy and Pathology

Sonal Saran¹, Kapil Shirodkar, Sai Niharika Gavvala, Scott Evans², Karthikeyan P. Iyengar³, Devina Ghoorah Jevalle, Rajesh Botchu

> Author Affiliations

Interventional Procedures

Sonal Saran, Dharmendra Kumar Singh, and Rajesh Botchu

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Abstract

Image-guided shoulder interventions have emerged as essential tools in the management of common shoulder complaints, necessitating a comprehensive understanding of the complex shoulder anatomy and the relevant imaging modalities. Fluoroscopy and ultrasound are the primary imaging techniques, each tailored to specific procedural goals, with fluoroscopy effectively visualizing joints such as the glenohumeral joint, while ultrasound is preferred for soft tissue interventions. Proper patient preparation and careful selection of injectable agents—including local anesthetics, corticosteroids, and platelet-rich plasma—are vital for minimizing risks and optimizing outcomes. The management of rotator cuff disorders, particularly through targeted injections and ultrasound guidance, demonstrates significant promise in alleviating pain and promoting healing. Key interventions address pain in structures such as the subacromial space, glenohumeral joint, scapulothoracic

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SCIENTIFIC PROGRAM OF INDIAN RADIOLOGY SUMMIT 2024



9:40 am-10:25 am	Master class on Knee Trauma: Case based MRI learning	Dr. Nafisa Shakir Batta (Head of Dept of Imaging, Sports Injury center, Safdarjung Hospital Delhi)
10:25am-10:50am	MRI in Muscle pathologies	Dr. Vijinder Arora (Professor & Ex HOD SGRD Amritsar)
10:50am-11:10am	Tea Break	
11:10am-11:55pm	Master class on Shoulder Impingements	Dr. Nafisa Shakir Batta (Head of Dept of Imaging, Sports Injury center, Safdarjung Hospital Delhi)
11:55pm-12:15am	Imaging of the sports groin	
12:15pm-1:00pm	Master class- Radiograph as a mirror of metabolic bone disease	Dr. Vijinder Arora (Professor & Ex HOD SGRD Amritsar)

Please click
google meet link



Introduction to the bone tumors

3rd December
7-8PM (IST)
1.30- 2.30 PM GMT

Royal orthopaedic hospital
Birmingham
UK
Consultant musculoskeletal
radiologist
Mskradiology4u.co.uk
Bonesradiologist.com

Prof. Rajesh botchu

Indian College of Radiology and Imaging



MOCK EXAM SESSION

CASE BASED INTERACTIVE LEARNING



MIXED BAG SPOTTER CASES MOCK SESSION

29th December 2024 (Sunday)
09:00AM - 04:00PM (IST)

Time	Topic	Speaker
09:00AM - 10:00AM	Pelvis	Dr. Avni Skandhan Kottakal
10:00AM - 11:00AM	Chest	Dr. N. L. N. Moorthy Hyderabad
11:00AM - 12:00PM	MSK	Dr. Umamaheshwara Reddy V. Nellore
12:00PM - 01:00PM	Neuro and GIT	Dr. R Rajeshkannan Cochin
01:00PM - 02:00PM	Head and Neck	Dr. Anagha R Joshi Mumbai
02:00PM - 03:00PM	Hepatobiliary	Dr. Aneesh M Calicut
03:00PM - 04:00PM	Mixed Bag	Dr. Arunthathy Gnaneshwar Chennai

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dedicated upper limb conference at Vin University Hanoi - Dr Mahesh Prakash & Dr Sonali Sethi



MSS members - Dr Mahesh Prakash, Dr Harun Gupta and Dr Chaitali Parekh at Tam Anh Hospital, Ho Chi Minh city, Vietnam conducting MSK course.

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Musculoskeletal IMAGING

ICRI Teachings 2024

Every Friday
7 pm Onwards IST

03 January, 2025
19.00-20.00 Imaging of Shoulder : X rays & MRI

Speaker- **Dr. Raghu Teja S**
MDRD, EDIR, Fellowship in MSK Radiology
Consultant MSK and MRI
Radiologist at Pramodini Imaging and Diagnostics, Vijayawada





Dr Gaurav K Sharma - lecture on MSK Interventions and live demo on upper limb ultrasound at IFUMB Outreach CME in Jaipur on 8th December 2024



Third edition of radiological anatomy reference remains a valuable tool with many useful updates

Collaborative manuscript is a must-read for obstetrics, gynaecology and interventional radiology practitioners

Comprehensive text on SBRT will be a useful resource to new and experienced practitioners in the field

Hip and pelvis imaging book aims to equip healthcare professionals with clinical insights


Imaging of the Hip & Bony Pelvis



Prestigious honour for Indian doctor

Dr. Raghu Teja S, a distinguished radiologist, has been awarded the prestigious Dr. B. S. Puri Award for the best research paper in the field of radiology. This award is a testament to his exceptional work and contributions to the field.

Dr. Raghu Teja S is a highly accomplished radiologist with extensive experience in musculoskeletal imaging. His research has been published in several international journals, and he has presented his findings at numerous conferences.



ABSTRACT NOTIFICATION

VIENNA / FEBRUARY 26 - MARCH 02

Dear Dr. SHAH,

Thank you very much for submitting your abstract for ECR 2025.

The Programme Planning Committee has carefully reviewed all submissions and assigned the most suitable presentation format to the accepted abstracts. We would like to wholeheartedly congratulate you on the acceptance of your abstract:

Abstract number - #15401
Abstract Title - Painful hallux sesamoid
Final presentation format - Poster:
EPOS Radiologist (educational)

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79th
Annual
State Conference **2024**

Organised by
Indian Radiological & Imaging Association
West Bengal Branch

Session 3: MSK

14:45-15:05	MRI imaging in meniscal pathologies	Dr Chaitali Parekh
15:05-15:25	MRI imaging of cruciate ligaments	Dr Neha Nischal
15:25-15:40	MRI imaging of the corners	Dr Chaitali Parekh
15:40-15:55	MRI in anterior instability	Dr Neha Nischal
15:55-16:20	MRI and ultrasound in rotator cuff evaluation	Dr Chaitali Parekh
16:20-16:35	Trade talk	

Session 4: MSK continues

16:35-17:00	Imaging of the TFCC	Dr Hirak Roychowdhury
17:00-17:30	Basics of MSK interventions	Dr Neha Nischal

MSK intervention workshops

17:30-17:55	Shoulder intraarticular injections	Dr Neha Nischal, Dr Chaitali Parekh
17:55-18:15	Shoulder SDSA Bursa injections	
18:15-18:35	Tennis elbow injections	
18:35-18:55	Wrist ganglion cyst intervention	
18:55-19:15	Median nerve hydrodissection	



Dr. Hirak Ray Choudhury

Designation: Consultant & Head, Dept. of Radiology
Manipal Hospitals, Dhakuria, Kolkata

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Sonobuzz

Our Intervention Team For Workshop
Rohit Malik - Chaitali Parekh - Pratik Mittal - Neha Nischal

Dr. Ankit Shah

Indian College of Radiology and Imaging

MOCK EXAM SESSION

CASE BASED INTERACTIVE LEARNING

MIXED BAG SHORT CASES MOCK SESSION

22nd December 2024 (Sunday)
09:00AM - 04:00PM (IST)

Time	Topic	Speaker
09:00AM - 10:00AM	MSK	 Dr. Ankur Shah Ahmedabad

MSS SOCIAL MEDIA

Tweet to Ponder



Sameer Raniga ✓
@samrad77

We're smart enough to invent AI, dumb enough to need it, and still so stupid we're not sure if we did the right thing!

—Jerry Seinfeld on Artificial Intelligence (AI)

MSS India is one of the fastest radiology society Twitter accounts to hit **1,000 followers!** With just 150 tweets.

The Musculoskeletal Society (MSS), India is a nonprofit association of Musculoskeletal Radiologists dedicated to teaching & spreading awareness about MSK Radiology



For daily MSK radiology updates & authentic educational contents, follow us on



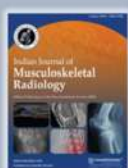
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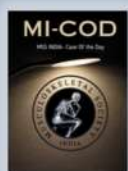
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<https://mss-ijmsr.com/>



MSS India case of the day (MICOD)

Check out the MICOD case archives at

<https://www.indianmss.org/>

MSS India's stellar cast of experts and educational content creators



Dr Sameer Raniga
Consultant Radiologist,
Sultan Qaboos University
Hospital, Oman

@SameerRaniga
@samrad77



Dr Neeti Ajay Gupta
Consultant Radiologist,
Sant Parmanand Hospital,
Delhi

@mskradiology_bullets
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MSK Radiology made easy by MSS India!

bone pit

Contributor : Dr Hirak Ray Choudhury

Imaging to identify Pre-Rheumatoid arthritis.

CCP+ at-risk individuals for RA , bone erosion (BE) in the feet appear to precede the onset of clinical synovitis. BE in >1 joint, and BE in combination with US synovitis in the MTP5 joints, are the most predictive for the development of clinical RA.

Tenosynovitis of foot in MRI

Leiden Early Arthritis Cohort has demonstrated that, in people with undifferentiated arthritis, those with MRI-detected tenosynovitis had a seven fold risk of developing RA

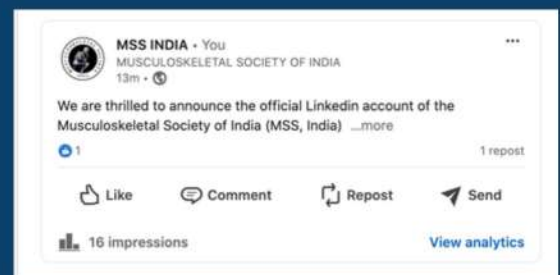
Flexor tenosynovitis in MS-Ultrasound

Birmingham Early Arthritis Cohort suggested that MSUS-detected tenosynovitis (especially flexor tenosynovitis) in people presenting with clinical synovitis was more common in those who progressed to RA.

Peritendinitis in MSUS & MRI

Inflammation of tendons without sheaths; eg tendons distal to carpus
Data from the Leeds group has shown that interosseous muscle tendon inflammation precedes the development of synovitis in anti-CCP- positive people with clinical symptoms

social media presence



FORTHCOMING EVENTS

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Dates: June 19-21, 2025

Congress President: Nicolas Sans

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[*For points 5-8: Please refer to Annexure 1]

https://www.indianmss.org/membership_form

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