



Sri Devaraj Urs Academy of Higher Education and Research

(A Deemed to be University)

Sri Devaraj Urs Medical College
Tamaka, Kolar-563103

We cordially invite you all to a State Level CME and WORKSHOP on RECENT ADVANCES IN ORTHOBIOLIGICS

On

26/09/2025 from 9AM TO 4PM

Venue: LIBRARY AV HALL

Organized by

Dept. of ORTHOPAEDICS



under the
aegis of
KOA and BOS



INTRODUCTION

Orthobiologics are biological substances and therapies, such as platelet-rich plasma (PRP), stem cells, Platelet rich fibrin (PRF), Bone Marrow Aspirate Concentrate (BMAC) etc, used in orthopaedics to enhance the natural healing process of musculoskeletal injuries like fractures, ligament tears, and osteoarthritis. These treatments leverage the body's own cells and growth factors to accelerate healing and regeneration, offering a minimally invasive alternative or complement to surgery.

What are orthobiologics?

Biological substances:

They are natural materials derived from the patient's own body (autologous) or from a donor (allogeneic).

Purpose:

To speed up the healing of bone and soft tissue injuries by delivering concentrated growth factors, cells, or other healing components to the injured area.

Common types of orthobiologics:

- Platelet-Rich Plasma (PRP)
- Bone Marrow Aspirate Concentrate (BMAC)
- Adipose-derived products
- Extracellular Matrix (ECM) products
- Platelet rich fibrin (PRF)
- Growth factor concentration (GFC)
- Autologous Conditioned Serum (ACS)

GUEST SPEAKERS

Dr. Sathish Kumar

Thangamani



MBBS, D. Ortho, M.S Ortho,
Diplomate in American Board
(Regenerative Medicine)
FIAA (UK), FISKSA(Australia)
FIAOT (Swiss),
Senior consultant
Stanley Medical College,
Chennai

Dr. Shraavan Kumar B S



MBBS, DA, Fellowship in
Chronic Pain , Fellowship in
USG Guided Procedures , USA
Certified Interventional Pain
Sonologist,
Asthra Pain and Wellness
Clinic, Chikkaballapur

Dr. Siddharth Ramesh Babu



MS Orthopaedics | Fellowship:
Joint Replacement, Arthroscopy
& Sports Medicine, Pain.
Director & Consultant
Orthopaedic Surgeon SPOT
Hospital, Chennai
Chennai

PROGRAMME SCHEDULE

TIME	PROGRAMME
9:00 AM-9:30 AM	Registration welcome address by HOD
9:30 AM-10:00 AM	Overview of regenerative medicine by- Dr SHRAAVAN KUMAR B S
10:00 AM-11:00 AM	Regulations & Ethical considerations pertaining to Orthobiologics by- Dr SIDDHARTH RAMESH BABU
11:00 AM – 11:30 AM	GFC in Clinical practice by- Dr SATHISH KUMAR THANGAMANI
11:30 AM-12:00 PM	Inaugural, Lamp lighting & speech by PRINCIPAL & Felicitation of Guest speakers
12:00 PM-12:30 PM	Need for USG guided procedures for precision by – Dr SHRAAVAN KUMAR B S
12:30 PM – 1:00 PM	ACS in OA Knees by – Dr SIDDHARTH RAMESH BABU
1:00 PM – 1:30 PM	BMAC, other orthobiologics & Ozone use in Orthopaedics practice by – Dr SATHISH KUMAR THANGAMANI
1:30 PM-2:00 PM	LUNCH BREAK
2:00PM-4:00PM	Workshop at CCSS (skill lab)
2:00 PM - 2:30 PM	PRP Preparation & Clinical application
2:30 PM-3:00 PM	GFC Preparation & Clinical application
3:00 PM-3:30 PM	ACS Preparation & Clinical application
3:30 PM-3:45 PM	DISCUSSION
3:45 PM-4:00 PM	Vote of thanks by Dr. Hariprasad S



To commemorate the centenary year
celebration of our beloved

Founder Chairman

Late Shree. R. L. JALAPPA

Chief Patron

Sri. G.H. NAGARAJA

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DR. RAJKUMAR

DEPUTY MEDICAL SUPERINTENDENT, RLJH & RC

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Dr. Nagakumar J S

Prof & HOD,

Dept. of Orthopaedics
SDUMC, SDUAHER

Organizing Secretary

Dr. Hariprasad S

Organizing Committee Members

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Dr. Manohar P V

Dr. Sagar V

Dr. Vinod Kumar K

Dr. Manoj Kumar R

Dr. Sunil Chandrashekar

Dr. Arun Kumar S P

Dr. Anil Kumar P

Dr. Punith

Dr. Tarun Kumar

All Senior residents and PGs

LINK FOR REGISTRATION

<https://forms.gle/84Et4M6XEql6kj7L8>



**2 KMC POINTS WILL BE AWARDED FOR
PARTICIPATING IN THE PROGRAM**