



WIRM
World Institute of
Regenerative Medicine



World Congress 2026

April 23-25 | 2026 | San Francisco, CA

PROGRAM BOOK



WIRM
World Institute of
Regenerative Medicine



DEAR COLLEAGUES,

We are honored to welcome you to the WIRM World Congress.

At WIRM, a diverse global community of leaders, researchers, clinicians, and innovators is united by a shared commitment to advancing regenerative, precision, and longevity medicine. Through collaboration, expertise, and a forward-looking vision, we strive to foster cutting-edge research, clinical progress, and educational excellence - driving meaningful advancements in human health.

Our vision is to help shape a future in which regenerative, precision, and longevity medicine redefine healthcare: restoring biological function, extending healthspan, and transforming the management of chronic and degenerative conditions through validated, accessible, and innovative therapies.

This Congress highlights the latest scientific discoveries, clinical applications, and technological breakthroughs across these rapidly evolving fields. It brings together distinguished clinicians, scientists, industry leaders, investors, and technology pioneers from around the world to exchange knowledge, share experience, and explore future directions. The strength of this gathering lies in its multidisciplinary nature and its shared purpose: to advance science and translate innovation into improved patient outcomes.

Regenerative, precision, and longevity medicine hold profound promise to transform lives by repairing damaged tissues, enhancing function, and offering new hope to patients worldwide. As a global community, we remain committed to promoting excellence in research, upholding the highest ethical standards, and accelerating responsible clinical translation.

We warmly invite you to engage fully in the scientific sessions, discussions, and collaborations that define this Congress. May your time here be inspiring, productive, and rewarding.

We wish you a successful and enriching meeting, and an enjoyable stay in San Francisco.

WIRM
World Congress 2026
April 23-25 | 2026 | San Francisco, CA

Endorsed by



Annu Navani, MD
Chair of WIRM



Sudhir Diwan, MD
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Dr. Giuliano Lo Bianco, MD, PhD, FIPP, EDPM 

Dr. Robert Rapcan, MD, PhD, FIPP, MBA 

Dr. Gopinathan Raju 

Dr. Jesus Medina, FIPP, CIPS 

GENERAL INFORMATION

DATE & VENUE

April 23–25, 2026
 Fairmont San Francisco
 950 Mason Street, San Francisco, CA, 94108

- Lectures: Venetian Room (Lobby level)
- Exhibition and Meals: The Crown Room (Crown Room level)

REGISTRATION DESK OPENING HOURS AT FAIRMONT SAN FRANCISCO

Thursday, April 23	7:00 AM – 6:00 PM
Friday, April 24	7:30 AM – 5:30 PM
Saturday, April 25	7:30 AM – 5:00 PM

REGISTRATION FEE

Congress registration & WIRM membership for 2026	\$1,200
Congress registration & WIRM membership for 2026 for nurses, technicians, administrators and research assistants	\$600
Congress registration & WIRM membership for 2026 for medical/ research fellows*	\$400
Congress registration for medical/phd/research students, residents and people in training*	FREE
Non-exhibiting industry representative	\$1,300
Extra exhibitor badge	\$350
Gala dinner ticket	\$200

**proof of the fellow/student/resident/training status is needed*



COMMERCIAL EXHIBITION

The exhibition will be open from THU, April 23 until SAT, April 25, in The Crown Room at Fairmont San Francisco (on Crown Room Level). Delegates will have the opportunity to meet several regenerative medicine companies at their booths to discuss new developments and receive up-to-date product information.

COFFEE AND LUNCH BREAKS

Coffee, tea, snacks, and light lunch will be served in the Exhibition area (The Crown Room) regarding the program.

SPECIAL SOCIAL EVENTS

Faculty Dinner (by invitation only)
 Date&Time: 7:00-9:00 PM, Thursday, April 23, 2026
 Venue: Fairmont San Francisco PH (Main Building Floor 8)

Gala Dinner
 Date&Time: 7:00-10:00 PM, Friday, April 24, 2026
 Venue: Tonga Room & Hurricane Bar at Fairmont San Francisco

BADGES

Identification badges are provided upon registration. For security purposes, all delegates and speakers are asked to wear their name badges at all times during the meeting. It can also be helpful when contacting the Registration Desk and other participants. If you misplace your name badge, please contact the Registration Desk to arrange a replacement.

LOST AND FOUND

Any found item may be turned in to the Registration Desk. Inquiries about lost items can be directed to the Registration Desk also.

MOBILE PHONES

Please respect the speakers and presenters by ensuring that your mobile phone is switched off during the scientific sessions.

TECHNICAL INFORMATION FOR EPOSTER AUTHORS

ePosters will be displayed on screen kiosks in the exhibition area and will be accessible throughout the congress during opening hours. There is no designated poster presentation session; however, the Top 3 Abstracts will be awarded and presented on stage during Session 12, on Saturday, April 25. We recommend that poster presenters remain near the screens during breaks to be available for questions and discussions with attendees.

PROGRAM CHANGES

The organizers cannot assume liability for any changes in the scientific program. However, they will do their best to keep the participants up to date, and possible changes in the program will be immediately communicated.

TECHNICAL INFORMATION FOR SPEAKERS

Speakers are requested to bring their presentations on a USB memory stick. Dedicated technicians will assist with uploading presentations to the computers in the respective meeting rooms. Presentations must be submitted no later than the last coffee break before your scheduled session. Please note that personal laptops and double slide projection cannot be used.

MEET THE FACULTY



Annu Navani, MD
Chair of WIRM



Sudhir Diwan, MD
Vice Chair of WIRM



Douglas P. Beall, MD
Vice Chair of WIRM



Sheri L. Albers,
DO, FAOCR, ABIPP



Pradeep Albert, MD



Ahmad Muttaqin Alim, MD



Mary A. Ambach, MD



Shahzad Anwar, MD



Ripu Arora, MD



Gabriel Azzini, MD



Marshall Bedder, MD



David Bell



Sigurd H. Berven, MD



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Aaron J. Fields, PhD



Timothy Ganey, PhD



Michael Gerling, MD



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Jennie Hsu, MD



Johnny Huard, PhD



Brad Jacobs, MD, MPH, ABOIM



Reena Jadhav, MBA



Neeraj Jain, MD



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Ansar Mahmood, MD



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Ashish Shetty, MD



Paul J. Simmons, PhD, BSc, DSc



Kamal Singh



H. Thomas Temple, MD



Kat Toups, MD



Michael P. Webb



David C. Yeomans, PhD



Alan Young, MD

7:50-8:00 AM	OPENING REMARKS Annu Navani, MD (USA), Sudhir Diwan, MD (USA), Douglas Beall, MD (USA)
8:00 - 10:00 AM	SESSION 1 CURRENT STATE OF REGENERATIVE MEDICINE AND FUTURE DIRECTION Moderator: Douglas Beall, MD (USA)
8:00 - 8:30 AM	OPENING KEYNOTE LECTURE MESENCHYMAL STEM CELLS OR MEDICINAL SIGNALING CELLS (MSCS): ORIGIN, MECHANISM OF ACTION (S) & CLINICAL APPLICATION OF MSCS Johnny Huard, PhD (USA)
8:30 - 8:45 AM	GLOBAL STATE OF HEALTHCARE TECHNOLOGY Achintya Moulick, MD (USA)
8:45 - 9:00 AM	ORTHOBIOLOGICS AS OUR COMMON LANGUAGE: UNITING SPECIALTIES THROUGH REGENERATIVE PRECISION Ariana DeMers, DO (USA)
9:00 - 9:15 AM	MEDICAL TOURISM AND ORTHOBIOLOGICS Didier Demesmin, MD (USA)
9:15 - 9:30 AM	THE FUTURE OF CELLULAR AUGMENTATION OF DISCS Douglas Beall, MD (USA)
9:30 - 10:00 AM	PANEL DISCUSSION GLOBAL STATE OF REGENERATIVE MEDICINE AND FUTURE DIRECTION Moderator: Douglas Beall, MD (USA) Panelists: Johnny Huard, PhD (USA), Ariana DeMers, DO (USA), Achintya Moulick, MD (USA), Didier Demesmin, MD (USA)
10:00 - 10:30 AM	COFFEE BREAK

10:30 - 12:30 AM	SESSION 2 EMERGING TECHNOLOGY Moderator: Annu Navani, MD (USA)
10:30 - 10:45 AM	CONVERGENCE OF AI WITH REGENERATIVE MEDICINE Alan Young, MD (USA)
10:45 - 11:00 AM	VR/AR/ROBOTICS/AI SCIENCE AND CLINICAL APPLICATION Uli Chettipally, MD (USA)
11:00 - 11:15 AM	EMERGING WORLDWIDE CELLULAR AND ACELLULAR TECHNOLOGIES Douglas Beall, MD (USA)
11:15 - 11:30 AM	LIGHT AS A BIOLOGIC: MITOCHONDRIAL PHOTOBIO-MODULATION (MPBM) AS THE NEXT FRONTIER IN REGENERATIVE MEDICINE Rahul Desai, MD (USA)
11:30 - 11:45 AM	NANOSURFACE GUIDED CELL IDENTITY – PRESCRIPTIVE ETCHING Timothy Ganey, PhD (USA)
11:45 - 12:00 PM	ORAL COMMUNICATION ABSTRACT: NANOCEMENT™ (NC™) AND ONE-STEP DELIVERY SYSTEM: A CONVERGENT INNOVATION FOR PRECISION BONE REPAIR AND ENHANCED PATIENT CARE Sumrita Bhat, PhD (USA)
12:00 - 12:30 PM	KEYNOTE LECTURE AGENTIC AND GENERATIVE AI Robin Farmanfarmanian (USA)
12:30 - 1:30 PM	LUNCH SYMPOSIUM SAFEGUARDING WEALTH: LAWSUIT PREVENTION AND TAX STRATEGIES Michael P. Webb <i>Sponsored by Gold Sponsor Legally Mine</i>

The Crown Room

THURSDAY, APRIL 23, 2026

1:30 - 3:30 PM

SESSION 3

PRECISION MEDICINE

Moderator: Sudhir Diwan, MD (USA)

1:30 - 1:50 PM

HOST PRECONDITIONING PRIOR TO ORTHOBIOLOGICAL INJECTIONS

Gabriel Azzini, MD (Brazil)

1:50 - 2:10 PM

WHY SOME PRP WORK AND SOME DON'T: PATIENT SELECTION, IMAGING, AND BIOLOGY

Giuliano Lo Bianco, MD (Italy)

2:10 - 2:30 PM

AI AND THE FUTURE OF REGENERATIVE MEDICINE

Harvey Castro, MD (USA)

2:30 - 2:45 PM

NOVEL ORTHOBIOLOGIC APPLICATIONS: FROM AVN TO STRUCTURAL PRESERVATION

Manish Khanna, MD (India)

2:45 - 3:00 PM

MOLECULAR IMAGING

Douglas Beall, MD (USA)

3:00 - 3:30 PM

PANEL DISCUSSION REGENERATIVE MEDICINE IN THE USA

Moderator: Sudhir Diwan, MD (USA)
Panelists: Ripu Arora, MD (USA), Sheri Albers, DO (USA),
Ryan Budwany, MD (USA)

3:30 - 4:00 PM

COFFEE BREAK

4:00 - 6:10 PM

SESSION 4

LONGEVITY

Moderator: Trusha Shah, MD (USA)

4:00 - 4:20 PM

PLASMAPHERESIS AND THERAPEUTIC PLASMA EXCHANGE

Dobri Kiprof, MD (USA)

4:20 - 4:40 PM

MITOCHONDRIA AND ITS DELIVERY USING PRP FOR LONGEVITY

Sina Farzaneh, PhD (USA)

4:40 - 5:00 PM

PEPTIDES FOR REGENERATION AND LONGEVITY

Trusha Shah, MD (USA)

5:00 - 5:30 PM

PANEL DISCUSSION THE NEW SCIENCE OF LONGEVITY

Moderator: Reena Jadhav, MBA (USA)
Panelists: Annu Navani, MD (USA), Kat Toups, MD (USA),
Brad Jacobs, MD (USA), Jennie Hsu, MD (USA)

5:30 - 6:10 PM

END-OF-THE-DAY ROUNDTABLE REGENERATIVE MEDICINE AROUND THE WORLD

Moderator: Annu Navani, MD (USA)
Roundtable Participants: Leonardo Henrique Cunha Ferraro, MD (Brazil),
Zaid Matti, MD (New Zealand), Philippe Mavrocordatos, MD (Switzerland),
Giuliano Lo Bianco, MD (Italy), Neeraj Jain, MD (India)

7:00-9:00 PM

FACULTY DINNER @FAIRMONT PH

by invitation only

FRIDAY, APRIL 24, 2026

8:00 - 10:00 AM	SESSION 5 PRECISION AND BIOTECHNOLOGY IN REGENERATIVE MEDICINE Moderator: Victor Pacheco, MD (Brazil)
8:00 - 8:35 AM	PANEL DISCUSSION VENTURE INTEREST IN ORTHOBIOLOGICS AND EMERGING TECHNOLOGIES Moderator: Anil K. Sharma, MD (USA) Panelists: Sheetal Nariani, MS, MA, MBA (USA), Lakshmi Natarajan (USA), Mark de Souza, PhD (USA), Kamal Singh (USA)
8:35 - 9:10 AM	PANEL DISCUSSION WIRM GLOBAL CHAPTERS – GROWTH, LEADERSHIP, AND IMPACT Moderator: Annu Navani, MD (WIRM Chair) Panelist Chapter Chairs: Victor Pacheco, MD (WIRM Brazil), Neeraj Jain, MD (WIRM India), Ahmad Muttaqin Alim, MD (WIRM Indonesia), Giuliano Lo Bianco, MD, PhD (WIRM Italy), Robert Rapcan, MD, PhD (WIRM Scandinavia-Central/Eastern Europe), Jesus Medina, MD (WIRM Mexico)
9:10 - 9:30 AM	REGENERATIVE STRATEGIES ON WOUND HEALING H. Thomas Temple, MD (USA)
9:30 - 10:00 AM	KEYNOTE LECTURE BIOLOGICS AND BIOMATERIALS FOR BACK PAIN: LIMITATIONS, OPPORTUNITIES, AND COST-EFFECTIVENESS Douglas Beall, MD (USA)
10:00 - 10:30 AM	COFFEE BREAK

10:30 - 12:30 PM	SESSION 6 CLINICAL APPLICATIONS OF PRP AND EXOSOMES Moderator: Aaron Calodney, MD (USA)
10:30 - 10:50 AM	HISTORICAL FOUNDATIONS OF REGENERATIVE MEDICINE Philippe Mavrocordatos, MD (Switzerland)
10:50 - 11:10 AM	DO WE NEED TO REDEFINE PRP CLASSIFICATION BASED ON THE INDIVIDUAL PATIENT? Peter A. Everts, MD (USA)
11:10 - 11:30 AM	IMPLICATIONS OF EXOSOME THERAPY Aaron Calodney, MD (USA)
11:30 - 11:50 AM	INTRACELLULAR COMMUNICATION – EXOSOMES AS “E-MAIL” Timothy Ganey, PhD (USA)
11:50 - 12:10 PM	OA CHRONIC PAIN: IL-RA, A2M & PRP Ahmad Muttaqin Alim, MD (Indonesia)
12:10 - 12:30 PM	STEM CELLS FOR SCI (OUTLINE LITERATURE AND SCIENTIFIC OUTCOMES) Victor Pacheco, MD (Brazil)
12:30 - 1:30 PM	LUNCH BREAK
1:30 - 1:45 PM	PRODUCT THEATER Cutting Edge Laser Technologies Don Buford, MD

FRIDAY, APRIL 24, 2026

1:45 - 3:00 PM

SESSION 7**NOVEL APPLICATIONS OF BIOLOGICS AND THERAPEUTICS**

Moderator: Timothy Davis, MD (USA)

1:45 - 2:00 PM

SPI02: NEXT GENERATION COMPOUNDS

Mayank Gupta, MD (USA)

2:00 - 2:15 PM

ENHANCING MINIMALLY INVASIVE SURGERY WITH ORTHOBIOLOGICS

Neeraj Jain MD (India)

2:15 - 2:30 PM

**ORAL COMMUNICATION ABSTRACT:
PAIN REDUCTION IN TENDINOPATHIES AFTER PERITENDINOUS
APPLICATION OF STROMAL CELLS DERIVED FROM WHARTON'S JELLY**

Karolynn Halpert Correa, MD (USA)

2:30 - 2:45 PM

ADIPOSE-DERIVED MSCS AND MICROFAT FOR CHRONIC PAIN INDICATIONS

Lisbeth Godinez, MD (Guatemala)

2:45 - 3:00 PM

ADVANCES IN TECHNOLOGY AND CLINICAL APPLICATIONS OF MESENCHYMAL STEM CELLS FROM ADIPOSE TISSUE

Ricardo Ruiz-Lopez, MD (Spain)

3:00 - 3:30 PM

COFFEE BREAK

3:30 - 5:35 PM

SESSION 8**INDUSTRY PARTNERS**

Moderator: Douglas Beall, MD

3:30 - 3:45 PM

HISTORY OF HYDRAFIL: SCIENCE AND CLINICAL APPLICATIONS

Anthony Lowman, PhD (ReGelTec)

3:45 - 4:00 PM

SCIENCE BEHIND MESENCHYMAL PRECURSOR CELLS

Paul Simmons, PhD (Mesoblast)

4:00 - 4:15 PM

INTRADISCAL MESENCHYMAL PRECURSOR CELLS

Roger Brown (Mesoblast)

4:15 - 4:55 PM

CEO PANEL DISCUSSION

Moderator: Annu Navani, MD (WIRM)

Panelists: Henry Ji (Semnur), Roger Brown (Mesoblast), Peter Boyd (ReGelTec), Timothy Ganey, PhD (Vivex), Sina Farzaneh (EmCyte)

4:55 - 5:35 PM

CSO PANEL DISCUSSION

Moderator: Douglas Beall, MD (WIRM)

Panelists: Paul Simmons, PhD (Mesoblast), David Bell (Elite CellFusion), Anthony Lowman, PhD (ReGelTec), Sina Farzaneh (EmCyte), Marshall Bedder, MD (Neuralace),

7:00 - 10:00 PM

**GALA DINNER AT TONGA ROOM & HURRICANE BAR
- FAIRMONT SAN FRANCISCO**

SATURDAY, APRIL 25, 2026

8:00 - 10:00 AM	SESSION 9 MOLECULAR AND TECHNOLOGICAL INNOVATIONS IN REGENERATIVE MEDICINE Moderator: Ashish Shetty, MD (UK)
8:00 - 8:15 AM	SCIENTIFIC ADVANCES OF BONE REGENERATION Thomas H. Temple, MD (USA)
8:15 - 8:30 AM	NEXT GENERATION THERAPIES IN LONGEVITY Pradeep Albert, MD (USA)
8:30 - 8:45 AM	TARGETING TRANSCRIPTIONAL CONTROL OF GENE REGULATION FOR REGENERATIVE MEDICINE David C. Yeomans, MD (USA)
8:45 - 9:00 AM	THE ROLE OF ENDPLATE STRUCTURE AND PERMEABILITY IN DISC HEALTH AND REGENERATION Aaron J. Fields, PhD (USA)
9:00 - 9:15 AM	CELL AND GENE THERAPY FOR SYMPTOMATIC DISC DEGENERATION – AN UPDATE AND DIRECTIONS FOR THE FUTURE Sigurd H. Berven, MD (USA)
9:15 - 9:30 AM	ARTIFICIAL INTELLIGENCE AND NAVIGATING THE DIFFERENT ORTHOBIOLOGICS PATHWAYS FOR THERAPY Ryan Budwany, MD (USA)
9:30 - 9:45 AM	AI IN MEDICINE: STREAMLINING WORKFLOW AND PATIENT ENGAGEMENT Xiang Qian, MD (USA)
9:45 - 10:00 AM	AI IN LONGEVITY MEDICINE: PREDICTIVE ANALYTICS AND OUTCOME ALGORITHMS Aman Navani, MS (USA)

10:00 - 10:30 AM **COFFEE BREAK**

10:30 - 12:30 AM	SESSION 10 ORTHOBIOLOGICS Moderator: Ansar Mahmood, MD (UK)
10:30 - 10:45 AM	ELIMINATING THE ORTHOPEDIC TREATMENT GAP WITH ADVANCES IN ORTHOBIOLOGICS Don Buford, MD (USA)
10:45 - 11:00 AM	CLINICAL TRIALS OF EXPANDING INDICATIONS OF ORTHOBIOLOGICS Aaron Calodney, MD (USA)
11:00 - 11:20 AM	KEYNOTE LECTURE REGENERATIVE AND LONGEVITY MEDICINE – THE NEXT PHASE OF INNOVATION Annu Navani, MD (USA)
11:20 - 11:35 AM	ENHANCING ORTHOPEDIC OUTCOMES WITH ORTHOBIOLOGICS Jeff Donner, MD (USA)
11:35 - 11:50 AM	PRP FOR ADVANCED OA: INTRAARTICULAR AND SUBCHONDRAL Jesus Medina, MD (Mexico)
11:50 - 12:05 PM	IS THE MUSE-CELL THE PROGENITOR CELL WE HAVE BEEN WAITING FOR? Ansar Mahmood, MD (UK)
12:05 - 12:30 PM	PANEL DISCUSSION ORTHOBIOLOGICS IN CLINICAL PRACTICE: CHANGING PARADIGM Moderator: Jeff Donner, MD (USA) Panelist: Don Buford, MD (USA), Sealy Hambright, PhD (USA), Mark Murphy, MD, PhD (USA), Michael Gerling, MD (USA), Navneet Boddu, MD (USA)

12:30 - 1:30 PM **LUNCH BREAK**

SATURDAY, APRIL 25, 2026

1:30 - 3:30 PM	SESSION 11 CLINICAL APPLICATIONS OF REGENERATIVE MEDICINE Moderator: Sudhir Diwan, MD (USA)
1:30 - 1:45 PM	REGENERATION WITHOUT CELLS: THE FUTURE OF BIOACTIVE THERAPEUTICS Joseph Cabaret, MD (USA)
1:45 - 2:00 PM	ADVANCING PRECISION IN PERIPHERAL NERVE STIMULATION
2:00 - 2:15 PM	ENDOSCOPIC DISCECTOMY AND MSCS FOR ANNULAR REPAIR Robert Rapcan, MD (Slovakia)
2:15 - 2:30 PM	CURRENT INTRADISCAL CLINICAL TRIALS Timothy Davis, MD (USA)
2:30 - 2:45 PM	PBD-VSELS IN SPINE REGENERATION: NEW BIOLOGICAL FRONTIER IN DEGENERATIVE DISC DISEASE Shahzad Anwar, MD (Pakistan)
2:45 - 3:00 PM	ORTHOBIOLOGICS FOR NERVE PAIN: EVIDENCE MEETS REAL-WORLD PRACTICE Mary A. Ambach, MD (USA)
3:00 - 3:30 PM	KEYNOTE LECTURE SUBCHONDRAL BIOLOGICS FOR ADVANCED DDD AND CARTILAGE ENDPLATES Sudhir Diwan, MD (USA)
3:30 - 4:00 PM	COFFEE BREAK

4:00 - 5:40 PM	SESSION 12 REGULATORY & PRACTICAL ASPECTS Moderator: Michael Schatman, PhD (USA)
4:00 - 4:15 PM	ETHICAL CONSIDERATIONS OF REGENERATIVE MEDICINE Michael E. Schatman, MD (USA/Spain)
4:15 - 4:30 PM	FROM INNOVATION TO IMPLEMENTATION: MAKING REGENERATIVE THERAPIES WORK IN HEALTH SYSTEMS Ashish Shetty, MD (UK)
4:30 - 4:45 PM	STEM CELLS: FDA COMPLIANCE AND LEGAL ASPECTS Pradeep Albert, MD (USA)
4:45 - 5:00 PM	ORAL COMMUNICATION ABSTRACT: ENHANCED OUTCOMES USING MICRONIZED BONE MARROW STROMA/PARENCHYMA COMPARED TO BMAC USING POST-TRAUMATIC KNEE OSTEOARTHRITIS MODEL RATS Jeff Donner, MD (USA)
5:00 - 5:15 PM	ORAL COMMUNICATION ABSTRACT: FOUR-YEAR EXPERIENCE WITH PERSONALIZED CULTURE-EXPANDED AUTOLOGOUS ADIPOSE-DERIVED MESENCHYMAL STEM CELL THERAPY: FEASIBILITY, BIOBANKING, AND SAFETY OBSERVATIONS FROM A NEW ZEALAND PRACTICE Zaid Matti, MD (New Zealand)
5:15 - 5:30 PM	TOP POSTER AWARDS Annu Navani, MD (USA), Sudhir Diwan, MD (USA), Douglas Beall, MD (USA)
5:30 - 5:40 PM	CONGRESS CLOSING Annu Navani, MD (USA), Sudhir Diwan, MD (USA), Douglas Beall, MD (USA)
6:00 - 7:00 PM	WIRM ADVISORY BOARD MEETING

ePOSTER PRESENTATIONS

ePosters will be displayed on a screen kiosk in the exhibition area (The Crown Room) and will be accessible throughout the meeting during opening hours. There is no designated poster presentation session; however, the Top 3 Abstracts will be awarded and presented on stage during the Session 12 (4:00 - 6:00 PM) on Saturday, 4/25.

ID 03 THE FUNCTIONAL BUTTOCK UNIT: A SYSTEMS-BASED MODEL FOR GLUTEAL PAIN AND ITS PRP-CENTRIC ORTHOBIOLOGICS MANAGEMENT

Zaid Matti MD, MBChB, FRNZCGP, FNZCMM

NZ Musculoskeletal & Regenerative Medicine Centre, Auckland, New Zealand

ID 05 PATHOLOGY-DRIVEN SELECTIVITY IN AUTHORIZATION FOR PLATELET-RICH PLASMA THERAPY

Enoch Du, B.A., Madeline Day, B.A.

Jayakar Medical Group, Mountain View, United States

ID 06 INTRA-ARTICULAR VERSUS SUBCHONDRAL INTRA-OSSEOUS BIOLOGIC THERAPIES IN KNEE OSTEOARTHRITIS: A TRANSLATIONAL NARRATIVE REVIEW

Vinicius Rabelo¹, Marcelo Costa¹, Arthur Teixeira^{1,2}

¹Cetrus Sanar College / Dr. Célio de Castro Metropolitan Hospital (HMDCC)

²Federal University of Minas Gerais (UFMG)

ID 07 EXOSOMES AND ACELLULAR THERAPIES IN REGENERATIVE MEDICINE: CURRENT CLINICAL APPLICATIONS AND FUTURE PERSPECTIVES

Vinicius Rabelo¹, Marcelo Costa¹, Pedro Campos²

¹Cetrus Sanar College / Dr. Célio de Castro Metropolitan Hospital (HMDCC)

²Nossa Senhora da Conceição Hospital

ID 08 ORTHOBIOLOGICS AS ADJUNCT THERAPY FOR HUMERAL HEAD OSTONECROSIS FOLLOWING CORE DECOMPRESSION: CURRENT EVIDENCE AND CLINICAL PERSPECTIVES

Vinicius Rabelo¹, Marcelo Costa¹, Arthur Teixeira^{1,2}

¹Cetrus Sanar College / Dr. Célio de Castro Metropolitan Hospital (HMDCC)

²Federal University of Minas Gerais (UFMG)

ID 09 SYNERGISTIC USE OF SHOCKWAVE, LASER, AND MAGNETIC FIELD THERAPIES TO OPTIMIZE ORTHOBIOLOGIC OUTCOMES

Vinicius Rabelo, Marcelo Costa

Cetrus Sanar College / Dr. Célio de Castro Metropolitan Hospital (HMDCC)

1st PRIZE WINNER

ID 12 CASES STUDIES TREATING BLADDER CYSTITIS AND ENDOMETRIOSIS WITH AN AUTOLOGOUS BONE MARROW DERIVED BIOLOGIC

Dr. Jeffrey Donner M.D.^{1,2,3}, Lucanus Koldewyn B.S.^{1,2,3}

¹Elite Regenerative Stem Cell Specialists, Johnstown, United States

²Colorado Spine Institute, Johnstown, United States

³BMAX Medical LLC, Johnstown, United States

ID 13 SIX-MONTH OUTCOMES FOLLOWING INTRADISCAL BONE MARROW ASPIRATE INJECTION IN PATIENTS WITH DISCOGENIC LOW BACK PAIN

Cezar Oliveira

Orthoregen/ Bioquest Clinic, Indaiatuba /SP, Brazil

2nd PRIZE WINNER

ID 14 A NEW METHODOLOGY FOR DELIVERY OF ADIPOSE TISSUE DERIVED-MESENCHYMAL STEM CELLS (AD-MSCS) IN SPINAL AND JOINT PATHOLOGIES USING ADVANCED SPECT-CT IMAGING.

Ricardo Ruiz-Lopez, Mattia Squarcia, Tony Paul

VERTEBRA SpinePain and Regenerative SURGERY CENTERS, Barcelona-Madrid, Spain

ID 15 EPIDURAL ADMINISTRATION OF ADIPOSE TISSUE DERIVED- MESENCHYMAL STEM CELLS (AD-MSCS) FOR GUILLAIN-BARRÉ SYNDROME: A FOLLOW-UP REPORT OF A FIRST EVER-HUMAN CLINICAL CASE.

Ricardo Ruiz-Lopez, Mattia Squarcia, Tony Paul

VERTEBRA SpinePain and Regenerative SURGERY CENTERS, Barcelona-Madrid, Spain

3rd PRIZE WINNER

ID 16 OPTIMIZED ISOLATION AND EXPANSION OF ADIPOSE TISSUE DERIVED-MESENCHYMAL STEM CELLS (AD-MSCS) AND STROMAL VASCULAR FRACTIONS (SVFS): ENHANCING CELL YIELD, QUALITY, AND THERAPEUTIC COMPATIBILITY THROUGH IMPROVED PROCESSING AND XENO-FREE TRANSITION.

Tony Paul, Ricardo Ruiz-Lopez, Heeyeon Lee, Irene Garcés Lázaro

VERTEBRA SpinePain and Regenerative SURGERY CENTERS, Barcelona-Madrid, Spain

ID 17 SPECT-CT AS AN ADVANCED DIAGNOSTIC TOOL FOR LOCALIZING METABOLIC HOT SPOTS GUIDING PRECISION MINIMALLY INVASIVE AND REGENERATIVE THERAPIES FOR SPINAL AND JOINT PATHOLOGIES: A RETROSPECTIVE STUDY.

Ricardo Ruiz-Lopez, Mattia Squarcia, Tony Paul

VERTEBRA SpinePain and Regenerative SURGERY CENTERS, Barcelona-Madrid, Spain

ID 18 SURGICAL METHODOLOGY FOR SUBCHONDRAL APPLICATION OF ADIPOSE TISSUE DERIVED-MESENCHYMAL STEM CELLS (AD-MSCS) INTO MAJOR JOINTS.

Ricardo Ruiz-Lopez, Tony Paul, Mattia Squarcia, Joana Flores

VERTEBRA SpinePain and Regenerative SURGERY CENTERS, Barcelona-Madrid, Spain

ID 19 FROM INNOVATION TO ACCOUNTABILITY: DEFINING STANDARDS IN REGENERATIVE INTERVENTIONAL MEDICINE

Vinicius Rabelo¹, Marcelo Costa¹, Arthur Teixeira^{1,2}, Flávio Guedes¹

¹Cetrus Sanar College / Dr. Célio de Castro Metropolitan Hospital (HMDCC)

²Federal University of Minas Gerais (UFMG)

ID 20 BRIDGING THE EVIDENCE-PRACTICE GAP IN ORTHOBIOLOGICS: ENSURING REPRODUCIBILITY AND ACCOUNTABILITY

Vinicius Rabelo¹, Marcelo Costa¹, Victor Bacelete²

¹Cetrus Sanar College / Dr. Célio de Castro Metropolitan Hospital (HMDCC)

²Betim Regional Public Hospital

ID 21 CASE REPORT ON A ONE YEAR FOLLOW UP OF THE SUCCESSFUL TREATMENT OF NEUROPATHIC PAIN IN A PATIENT WITH A SPINAL CORD INJURY USING A UNIQUE AUTOLOGOUS BMAC WITH MESENCHYMAL STEM CELLS MAINTAINED IN THEIR PARENCHYMA/STROMA

Dr. Jeffrey Donner M.D.^{1,2,3}, Lucanus Koldewyn B.S.^{1,2,3}

¹Elite Regenerative Stem Cell Specialists, Johnstown, United States

²Colorado Spine Institute, Johnstown, United States

³BMAX Medical LLC, Johnstown, United States

ID 22 TOWARD A HIGH-FIDELITY PLATELET-RICH PLASMA: AN INTEGRATED, MECHANISTIC REVIEW

Victor F. Pacheco¹, Giulia H. Fornasari², Karen A. F. Rumiantzeff², Sérgio A. F. Dantas², Gregório J. Selhorst², Marcelo K. Daguer², Paulo M. G. Ramacciotti², Felipe M. Lampa², Paulo C. F. Neves², Francine S. Ulbrich², Thiago C. Moura², Luis F. B. Ferres², Diego C. Dozza², Brasil S. N. Filho², Rafael da C. Serafim², Gabriela S. Barbiero²

¹Universidade Federal de São Paulo, São Paulo, Brazil

²Instituto RegeneraDOR, São Paulo, Brazil

ID 23 MUSCULOSKELETAL APPLICATIONS OF INJECTABLE PLATELET-RICH FIBRIN (I-PRF): A TRANSLATIONAL REVIEW & TECHNICAL FOCUS

Victor F. Pacheco¹, Giulia H. Fornasari², Leonardo Henrique da Cunha Ferraro^{1,3}, Ilton Canedo², Pedro Smolka², Milton Sawamura²

¹Universidade Federal de São Paulo, São Paulo, Brazil

²Instituto RegeneraDOR, São Paulo, Brazil

³STEM Ortopedia Biológica, São Paulo, Brazil

ID 24 COMBINED INTRADISCAL, PERIDISCAL, AND SUBCHONDRAL BONE MARROW ASPIRATE CONCENTRATE INJECTIONS FOR VERTEBROGENIC AND DISCOGENIC LOW BACK PAIN WITH MODIC I AND II: A RETROSPECTIVE CASE SERIES

Sudhir Diwan, MD, FIPP^{1,2}, Ana Flávia Vieira Leite, MD, FIPP³, Shelby D. Muñoz,⁴BA, Michael E. Schatman, PhD^{5,6}, Eva Manik⁷, Robert Rapcan, MD, FIPP, MBA, PhD^{7,8,9}

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⁶Department of Population Health, Division of Medical Ethics, NYU Grossman School of Medicine, New York, NY, USA.

⁷EuroPainClinics, Bratislava, Slovakia

ID 25 REGENERATIVE STRATEGIES IN SPORTS MEDICINE AND ORTHOPEDICS: THE ROLE OF WHARTON'S JELLY MSCS AND THEIR EXOSOMES

Alejandro Toro¹, Adriana Palacio¹, Angélica Calle¹, Karolynn Halpert^{1,2}, Mario Mercado¹, Mauricio Daza¹, Wendy Jaraba-Álvarez¹, Diana Angulo¹, Leonardo Ramírez¹, Carolina Quintero-Gil^{1,2}, Héctor Ortega-Arellano², Victor Gómez¹

¹BioXcellerator, Medellín-Colombia

²BioXtech, Medellín-Colombia

ENDORSEMENTS

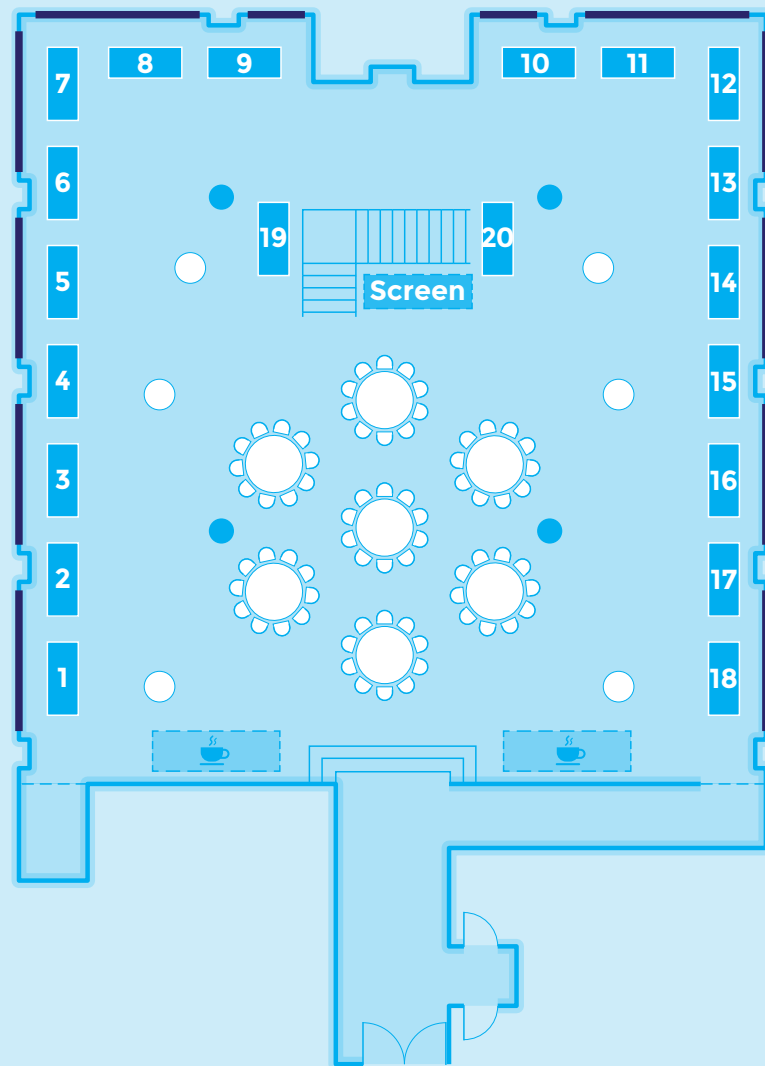


The Latin American Pain Society (LAPS) was established to promote pain medicine education, encourage high-quality scientific research and publication, and provide highly skilled ultrasound and fluoroscopy-guided hands-on training courses to advance the evidence-based clinical practice of interventional pain throughout Latin America. LAPS is committed to putting all resources to bring academic leaders together on a common platform and unitedly works to raise the bar to offer the best pain care to their patients. www.latinamericanpainsociety.com



The New York and New Jersey Pain Medicine Congress is a leading annual educational forum advancing interventional pain management and the largest pain medicine event on the East Coast. Organized by NYSIPP and NJSIPP, it delivers cutting-edge therapies, hands-on training, and multidisciplinary collaboration for over 800 healthcare professionals, promoting safe, effective, and innovative patient-centered care in pain medicine globally today.

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We strive to provide our customers with the latest regenerative medicine equipment and supplies to keep them at the cutting edge of one of the most exciting and promising areas of modern medicine. Our inventory of equipment and supplies includes FDA-registered Class II PRP kits. Our XCELL PRP kits are exceptional in their ability to maximize platelet count through a unique design that reduces total processing time and mitigates the risk of human error. Our system can produce both leukocyte-rich and leukocyte-poor PRP utilizing a variety of centrifuge systems, including some Eppendorf models.



Auro Wellness is deeply committed to research and innovation. Following 14 years of intensive research and rigorous testing, Auro Wellness introduced its inaugural product, featuring a fusion of Auro's multi-patented sub-nano absorption technology and key ingredient, Glutathione. Glutaryl™ stands as the pioneering topical glutathione product capable of providing systemic benefits through skin absorption. Our unwavering dedication remains focused on pioneering advanced methods to empower our customers in attaining vibrant health, all through products engineered to initiate healing from within.



Curonix LLC offers the Freedom® PNS and SCS neurostimulator systems powered by a unique and innovative wireless energy transfer to the implanted electrode array and receiver through HF-EMC. Curonix's FDA-cleared product portfolio can treat nerves from the neck down that are causing chronic pain.



Cutting Edge Laser Technologies offers a full line of patented and clinically validated therapy lasers for the progressive practitioner. Since their founding in 2001, the Cutting Edge mission has remained the same: to improve the clinical and financial success of our partnering physicians and clinics.



Founded in 2016, Elevate Capital is the nation's first institutional-backed inclusive venture capital fund, primarily investing in underrepresented founders and those with limited access to capital. Through the SSBCI and Innovation Gap Funds, Elevate also supports high-risk, research-driven innovation in Oregon by investing in early-stage startups. More Info: elevate.vc



Elite CellFusion is a physician-focused biologics company built around a continuously evolving Regenerative BioSignal Matrix (RBM). Our live research platform quantifies and refines a complex biosignal network, giving clinicians a rigorously characterized, standardized tool to engineer tissue environments across pain, spine, musculoskeletal, aesthetic, and performance practices.



At EmCyte Corporation®, we are dedicated to advancing regenerative medicine through innovative technology that delivers precision and predictability in autologous biologic preparations. We aim to provide physicians and practitioners with quality solutions for optimal patient outcomes. Backed by a sound manufacturing infrastructure and a highly qualified team, we uphold the strictest standards in product development and performance. Our commitment extends beyond innovation as we strive to instill confidence in our customers by ensuring reliability, consistency, and excellence in every biologic preparation. We stand by our unwavering commitment to deliver the best-in-class solutions for patients.



Genesis Regenerative provides advanced regenerative therapies designed to enhance patients' quality of life and support clinicians. Our Regenerative Protein Array (RPA), derived from placental tissue, uses targeted proteins, growth factors, and cytokines to optimize cellular environments and plays a critical role in tissue repair, regeneration, and improved healing.



GLOBAL APHERESIS

Global Apheresis are pioneers and leaders in therapeutic plasma exchange (TPE), founded by Dr. Dobri Kiprof, a global authority in apheresis. For over four decades, we have led the science and practice of apheresis — restoring health, slowing neurological decline, and expanding health span to help patients reclaim their vitality.



Le Reve Wellness is a premier destination for regenerative and longevity medicine, defined by clinical credibility, scientific rigor, and a legacy of innovation. Led by world-renowned experts, it delivers advanced, precision-driven care through orthobiologics, comprehensive omics profiling, genetic testing, NAD and peptide-based therapies, and targeted Vagus Nerve modulation, optimizing performance, resilience, and personalized executive healthspan.



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EmCyte Corporation® is a leader in regenerative medicine, founded by Patrick Pennie, advancing PRP and stem cell therapies through autologous biologics research to enhance healing and clinical outcomes.

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Legally Mine Presentation

Speaker: Mike Webb
Thursday, April 23, 12:30

Location: Crown Room
Buffet Lunch Provided



Legally Mine is a leading legal services company focused on protecting business and personal assets while strategically lowering tax liabilities. Since 2007, we've helped thousands of clients, primarily in the medical and dental communities, safeguard their wealth and reduce financial risks. Our core mission is to educate these industries through powerful seminars and equip clients to navigate excessive taxes. By combining proven asset protection strategies with effective tax-saving techniques, we deliver significant reductions in income taxes. Backed by a solid track record, our time-tested strategies consistently produce measurable results and secure lasting financial benefits and peace of mind.



Neuralace Medical's Axon Therapy is the first and only FDA-cleared non-invasive magnetic peripheral nerve stimulation (mPNS) treatment for chronic neuropathic pain, including intractable pain, painful diabetic neuropathy, post-surgical, and post-traumatic nerve pain. This drug-free, needle-free therapy delivers clinically proven relief without incisions, implants, or surgery, while improving function and reducing medication reliance.



Mesoblast is a world leader in allogeneic (off-the-shelf) cellular medicines for the treatment of severe and life-threatening inflammatory conditions. Ryoncil® (remestemcel-L-rknd) for the treatment of steroid-refractory acute graft versus host disease (SR-aGvHD) in pediatric patients 2 months and older is the first FDA-approved mesenchymal stem cell therapy. Prescribing Information at www.ryoncil.com. Mesoblast is committed to developing additional cell therapies for distinct indications based on its remestemcel-L and rexlemestrocel-L platforms. Ryoncil® is being developed for additional inflammatory diseases including SR-aGvHD in adults and biologic-resistant inflammatory bowel disease. Rexlemestrocel-L is being developed for heart failure and chronic low back pain.



PainCast is an education streaming platform specifically designed for interventional pain specialists. It provides a virtual library of exclusive videos, journals, articles, podcasts, and more to its members. The platform boasts over 6,000 physician members from every corner of the globe, creating a diverse and highly skilled community focused on the field of pain management. Join PainCast to access cutting-edge resources. Basic Membership is free, opening doors to continuous learning and community engagement, or join PainCast Pro for an elevated experience. Visit the new Grand Rounds section to see the latest videos from your national and international societies, all in one place. Learn more @PainCast.com, Contact: Maya@paincast.com



Peptual, powered by Vesalius Longevity Labs, is a global longevity company focused on peptide science and regenerative solutions featuring Dezawa MuseCells® and Dezawa MuseExosomes®. Peptual serves a broad provider network and supports innovation across longevity, regenerative medicine, and skincare.



ReGelTec, Inc. is a clinical-stage biomedical company dedicated to developing and commercializing a percutaneous hydrogel implant for the treatment of chronic low back pain due to degenerative disc disease. ReGelTec's HYDRAFIL® System is an outpatient disc augmentation procedure where a permanent hydrogel is delivered into the degenerated disc via a small cannula to fill cracks and fissures, recruit water, restore natural biomechanics and provide pain relief.

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Mesoblast is proud to serve as a **Platinum Sponsor** of this year's World Institute of Regenerative Medicine conference in San Francisco. We invite you to join us as we showcase our leadership in developing innovative, cell-based therapies for discogenic **chronic low back pain (CLBP)**—one of the most prevalent and debilitating conditions worldwide.

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Talks

Friday, April 24

3:45pm – 4:00pm

Science Behind Mesenchymal Precursor Cells

Friday, April 24

4:00pm – 4:15pm

Intradiscal Mesenchymal Precursor Cells



About Mesoblast

Mesoblast is a global leader in **allogeneic cellular medicines**, leveraging its proprietary mesenchymal lineage cell technology to develop treatments for inflammatory and degenerative diseases with high unmet need.



Regenexx™ is a worldwide physician network, utilizing the world's most advanced bone marrow aspirate and blood platelet procedures for orthopedics. Regenexx is devoted to growing your regenerative medicine practice through a turnkey approach with advanced technology, precise treatment and candidacy guidelines, proven research with a patient registry database, extensive physician/lab training, insurance coverage, marketing with patient referrals, and continued support services.



Semnur Pharmaceuticals, Inc. is a biopharmaceutical company focused on the clinical and commercial development of innovative products that address the needs of pain management practitioners and their patients. Semnur's lead program, SP-102 (dexamethasone sodium phosphate in viscous gel solution) is the first investigational non-opioid, novel injectable corticosteroid gel formulation for patients with moderate to severe lumbosacral radicular pain (sciatica), containing no preservatives, surfactants, solvents, or particulates.



TrueHeal is a comprehensive regenerative medicine companion platform that bridges the gap between patients and the physicians pioneering cutting-edge healing therapies. We help patients explore regenerative medicine through personalized assessments, research-backed education, and direct connections to verified practitioners specializing in PRP therapy, cellular treatments, and innovative healing protocols. For physicians, TrueHeal provides a trusted network to connect with informed, motivated patients actively seeking regenerative care. With tools spanning treatment discovery, insurance navigation, wellness tracking, and a 24/7 AI-powered wellness concierge, TrueHeal is building the infrastructure for the future of medicine — where the focus shifts from symptom management to true restoration. Trusted Solutions. True Healing.



Vivex Biologics is a pioneer in advancing allografts that help patients suffering from musculoskeletal injuries, wounds, and burned skin. By leveraging the resources of the nation's oldest civilian tissue bank, Vivex is channeling the body's inherent healing qualities to bring patients optimal care and to provide medical professionals and patients with innovative treatment options for a broad range of indications.

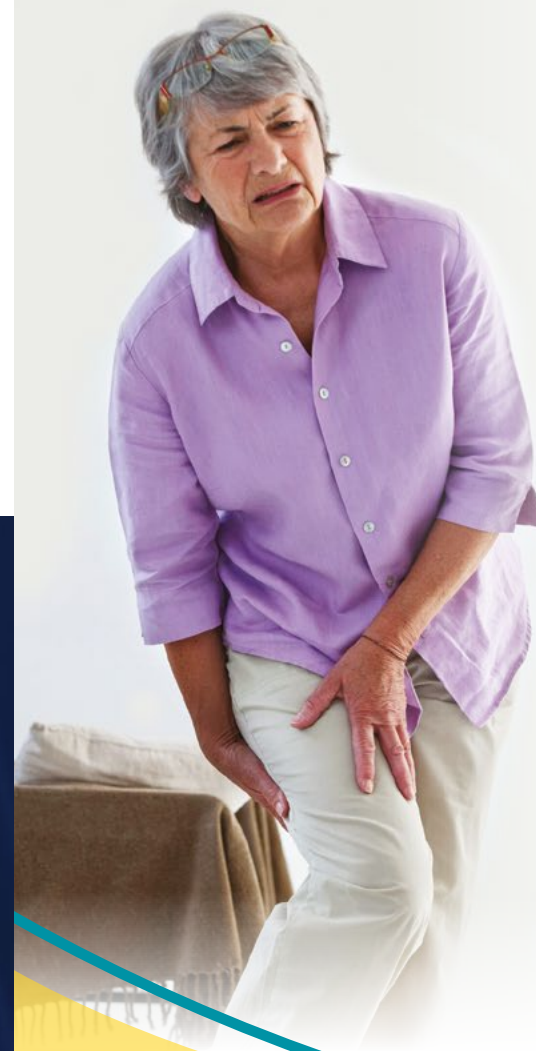
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