

A stylized red silhouette of a runner in profile, facing right, is set against a background of a mosaic of irregular, light-colored tiles. The runner's form is filled with white lines representing the skeletal structure and muscle groups. The mosaic background features a mix of white, light yellow, and light blue tiles.

10^o

I.S.Mu.L.T. Congress

Open mind and new technologies in muscles,
ligaments and tendons

April 8-9 2022

A. Roma Lifestyle Hotel

Congress President Nicola Maffulli

Dipartimento di Medicina, Chirurgia e Odontoiatria

"Scuola Medica Salernitana" Università degli Studi di Salerno

Congress Vice President Francesco Oliva

Dipartimento di Medicina, Chirurgia e Odontoiatria

"Scuola Medica Salernitana" Università degli Studi di Salerno

Programme Committe

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Alessio Gai Via

Marco Spoliti

3 Award of Euro 1.000 each

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INFORMAZIONI GENERALI

Quote iscrizioni :

Iscritti I.S.Mu.L.T.	Non Iscritti I.S.Mu.L.T.	
Iscrizione al Congresso per Medici	€ 100,00 (esente iva)	€ 200,00 (esente iva)
Iscrizione al Congresso per tutte le altre figure professionali	€ 60,00 (esente iva)	€ 110,00 (esente iva)
Quota annuale Affiliati e Soci I.S.Mu.L.T.	€ 50,00 (12 mesi anno solare)	

Gli studenti e gli specializzandi devono rivolgersi direttamente alla Segreteria organizzativa per la modalità d'iscrizione al congresso.

La quota iscrizione al Congresso comprende:

- partecipazione a tutte le sessioni scientifiche;
- Kit congressuale contenente il programma definitivo ed altro materiale informativo.
- Attestato di partecipazione (consegna per tutti gli iscritti in sede congressuale alla fine dei lavori).
- 11.2 ECM (invio del certificato tramite mail da parte del PROVIDER Studiogest)
- Servizi catering dei coffee break e dei lunch previsti nel programma.

Lingua ufficiale :Italiano

Servizio guardaroba: si trova all'entrata del Centro congressi ed è attivo dalle ore 9,00 alle ore 17,00 di entrambe le giornate congressuali.

Collegamento WIFI : gratuito

Relatori/Moderatori Sala plenaria : si ricorda di essere presenti nella sala plenaria GIOVE almeno 10 minuti prima dell'orario previsto ,questo ci aiuterà a rispettare i tempi stabiliti per ogni sessione ed a non accumulare ritardi sul programma .I relatori dovranno utilizzare il proprio Pc per l'esposizione della relazione e saranno supportati dall'assistenza tecnica presente in sala per i relativi collegamenti allo schermo led wall ,per coloro invece che saranno sprovvisti del proprio computer ne verrà fornito uno dal Desk di assistenza tecnica.

Esposizione POSTER : aula Giunone B con trasmissione nelle due giornate dei poster su schermi in modalità loop ,la premiazione del miglior poster è prevista sabato 9 aprile ore 15.20 nella sala Giove

Sessioni Parallele : aula Giunone A

Corso teorico – pratico di ecografia: Aula Venere il venerdì 8 aprile dalle ore 9.00 alle ore 11.00

FACULTY

Ackermann P.
Aicale R.
Albano D.
Aprato A.
Apolloni F.
Arcuri P.
Arduini M.
Arumugam A.
Barboni B.
Berardi A.C.
Bernetti A.
Bisciotti G.N.
Biz C.
Bruno M.
Buda M.
Busso C.
Calabrese M.C.
Casinelli A.
Castellano M.
Chianca V.
Chiossi S.
Ciardulli M.C.
Ciriello M.
Costantino C.
Corrado B.
Comba F.
De Carli A.
Della Porta G.
De Luna V.
Di Filippo L.
Di Filipo G.
Di Gesù M.
Di Pietto F.
Dolfin M.
Esposito F.
Faldini C.
Fara M.A.
Farsetti P.
Favaloro S.
Felli L.
Fini M.
Finocchiaro F.
Fioruzzi A.
Fischetti M.
Forte A.M.
Forte F.
Foti C.
Frizziero A.
Fusco A.
Galasso V.
Galeoto G.
Garofano M.
Giannini S.
Giai Via A.
Giordano E.
Giovannini S.
Giudice V.
Gondola V.
Guarino S.
Haddad M.
Ingala Martini L.
Innocenti B.
Italiano G.
Iundusi R.
Krikler S.
Krochmalski M.
Lanzetti R.
Lovecchio J.
Longo S.
Maccauro G.
Maffulli N.
Maggio M.G.
Mahmoud A.
Marsilio E.
Martino M.
Matteucci E.
Mc Bride D.
Meli F.
Messina C.
Migliorini F.
Minetto M.A.
Monaco E.
Montopoli M.
Moretti L.
Moscato P.
Musella S.
Nanni G.
Nese M.
Nicoletti S.
Novi M.
Oliva F.
Padua L.
Padulo Johnny
Palazzoni G.
Palumbo R.
Paneroni M.
Peyré-Tartaruga L.A.
Piccillo A.
Piccirilli E.
Pipino G.
Prencipe G.
Rasconi M.
Reggiani A.
Romano A.M.
Rossi S.
Ruffilli A.
Rusconi G.
Saggini R.
Salineros M.
Santilli V.
Saxena A.
Scala P.
Sconfienza L. M.
Servadio A.
Spoliti M.
Territi G.
Thomas E.
Tiso D.
Traina F.
Trea F.
Trinchese G.F.
Vadalà G.
Verrengia V.
Veronesi F.
Vetrano M.
Vittadini F.
Vulpiani M.C.
Zappia M.

Friday, 8 April

Sala Plenaria AULA GIOVE

8:00

Registration

9:00

Welcom from the authorities

SESSION 1

LONG TERM OUTCOMES OF COMMON SPORTS INJURIES

Chairmans: Angelo De Carli, Nicola Maffulli

9:20

Shoulder Instability Alfonso Romano (Napoli)

9:30

ACL Reconstruction Edoardo Monaco (Roma)

9:40

Pubalgia Gian Nicola Bisciotti (Parigi)

9:50

Ankle Instability Carlo Biz (Padova)

10:00

Discussion

9:00 / 11:00

AULA VENERE - BASIC COURSE

Ultrasound of the tendons

Course coordinator: Francesco Di Pietto, Antonio Frizziero, Marcello Zappia

9:00 Principles of tendon's functional anatomy A. Frizziero (Parma)

9:10 Investigation of tendon structure by ultrasound tissue characterization in asymptomatic and symptomatic individuals C. Busso (Torino)

9:20 US Tendinopathies M. Zappia (Campobasso)

9:30 Tendon rupture D. Albano (Milano)

9:40 Myotendinous junction F. Di Pietto (Caserta)

9:50 Update in tendon interventional US L.M.Sconfienza (Milano)

10:00 - 11:00 US practice exams

Tutor: M. Bruno (Campobasso), A. Frizziero (Parma), M. Martino (Caserta), V. Chianca (Napoli),

M. Fischetti (Foggia), S. Guarino (Napoli), C. Messina (Milano), G. Rusconi (Caserta), F. Vittadini (Venezia)

SESSION 2

LECTIO MAGISTRALIS

Chairman: Nicola Maffulli

10:10

Peripheral nerve lesions and neuropathic pain Prof. Felice Esposito (Napoli)

10:30 - 11:00 COFFEE BREAK

SESSION 3

CONSERVATIVE MANAGMENT OF FRACTURES

Chairmans: Pasquale Farsetti, Francesco Oliva, Maria Chiara Vulpiani

11:00

Fracture of the Humerus Nicola Maffulli (Salerno)

11:10
Olecranon Fractures Michele Novi (Firenze)

11:20
Calcaneal Fractures Donald j. McBride (UK)

11:30
Hand And Forefoot Fractures Eleonora Piccirilli (Roma)

11:40
Discussion

11:00 / 12:00

AULA GIUNONE - PARALLEL SESSION
PRESS CONFERENCE: DISABILITIES AND SPORT

Chairmans: Augusto Fusco, Alessio Gai Via, Nicola Maffulli,
Elena Matteucci, Francesco Oliva

11:50 - 12:30

SALA GIOVE - WORKSHOP SPONSOR AGAVE

Percutaneous electrolysis, nutraceuticals and "lifestyles": multimodal management of patients with tendinopathy

Chairman: Andrea Reggiani (Milano)

Relatori: Marco Di Gesù (Palermo), Domenico Tiso (Rimini)

SESSION 4

PARALYMPIC SPORTS – ROUND TABLE

Chairmans: Marco Dolfin, Augusto Fusco, Alessio Gai Via, Federico Meli,
Andrea Piccillo, Marco Rasconi

12:30
Introduction Augusto Fusco (Roma)

12:37
Disabilities and Sport: too many troubles to handle? Federico Meli (Roma)

12:44
Diving into paralympic swimming Marco Dolfin (Torino)

12:51 / 13:30
Discussion

12:00 / 13:00

AULA GIUNONE – PARALLEL SESSION

"Injuries in strength and power sports at the Tokyo 2020 Olympic Games: the experience of throwing"

12:00 **Injury epidemiology in strength and power sports during Olympic throwing games**
Michele Castellano Vitaterna (Roma)

12:15 **Training after a rib fracture and quadriceps tendinopathy**
Federico Apolloni (Roma)

12:30 **Which training regimens expose pitchers to the risk of injuries**
Simone Favaloro (Roma)

12:45 **Discussion**

13:30 - 14:30 LUNCH

SESSION 5

LECTIO MAGISTRALIS

Chairmans: Cosimo Costantino, Antonio Frizziero

14:30

Lecture magistralis: Bone, muscle adipose tissue unit and physical performance

Marcello Giuseppe Maggio (Parma)

14:30 / 15:30

AULA GIUNONE – PARALLEL SESSION

WORKSHOP OFFICINE ORTOPEDICHE

14:30 / 14:35 **Workshop Introduction**

Augusto Fusco (Roma), Silvia Giovannini (Roma), Alessandro Casinelli (Frosinone)

14:35 / 14:50 **Indications of upper and lower limb orthotics** Augusto Fusco (Roma)

14:50 / 15:15 **Orthotics: prepared or custom-made?** Gianclaudio Territi (Frosinone)

15:15 / 15:30 **Discussion**

SESSION 6

DISMETABOLISMS AND SOFT TISSUE TROUBLES

Chairmans: Asmaa Mahmoud, Paolo Moscato, Francesco Oliva

14:50

Uric Acid Levels: a need for reset Giovanni Italiano (Caserta)

15:00

Diabetic Tendinopathies Alessio Gai Via (Roma)

15:10

Lipids Metabolism and Tendinopathy: a possible link Paul Ackermann (Sweden)

15:20

Thyroids Metabolism Emanuela Marsilio (Salerno)

15:30

Microbioma and orthopaedics ailments Valerio Galasso (Roma)

15:40

Discussion

15:50 -16:20

ASSEMBLEA SOCI

Antonio Frizziero, Nicola Maffulli, Francesco Oliva

16:20 - 17:00

SALA GIOVE - WORKSHOP SPONSOR BIOTECK

Hydrolyzed collagen: a new therapeutic approach for the symptomatic and functional treatment of muscular-tendinous-articular pathologies

16:00 / 16:05 **Introduction to the session** Silvio Rossi (Roma)

16:05 / 16:15 **Subacromial injections of hydrolyzed collagen for the treatment of rotator cuff tendinopathy**

Matteo Buda (Monselice)

16:15 / 16:25

Hydrolyzed collagen infiltration protocol for the treatment of various tendon and muscle pathologies

Silvana Giannini (Roma)

16.25 / 16.40

Open discussion

16:00 / 17:00

AULA GIUNONE – PARALLEL SESSION

LONG COVID: functional impairments and rehabilitation

Chairmans: Maria Consiglia Calabrese, Augusto Fusco, Valentina Verrengia

16:00 / 16:10 **Rehabilitation after COVID-19: an evidence-based approach** Mara Paneroni (Brescia)

16:10 / 16:20 **Functional impairments and rehabilitation for long COVID-19:
a review of the literature** Giovanna Di Filpo e Roberta Palumbo (Salerno)

16:20 / 16:30 **The rehabilitation of patients with cardiovascular complications of COVID-19:
the state of art and future perspective** Marina Garofano (Modena)

16:30 / 16:40 **Neuromuscular complication in long COVID-19** Marina Ciriello e Salvatore Musella (Napoli)

16:40 / 16:50 **Physiotherapy for musculoskeletal complications following COVID-19 infection.**
Maria Antonietta Fara e Veronica Gondola (Roma)

16:50 **Discussion**

SESSION 7

LECTIO MAGISTRALIS

Chairmans: Giulio Maccauro, Francesco Oliva

17:00

Identification of genetic variant of sarcoma Giovanni Palazzoni (Roma)

SESSION 8

LECTIO MAGISTRALIS

Chairmans: Augusto Fusco

17:20

**Assessment of the peripheral nerve with ultrasound:
a new perspective of guidance for medical and surgical treatments.** Prof. Luca Padua (Roma)

Saturday, 9 April

SESSION 9

REHABILITATION PROTOCOLS

Chairmans: Alfonso Maria Forte, Gianni Nanni, Anna Maria Servadio

8:30

Post-surgery management of quadriceps and patellar tendon rupture Mario Vetrano (Roma)

8:40

Muscles injuries Filippo Vittadini (Venezia)

8:50

Post-surgery management of Achilles tendon repair Luigi Di Filippo (Alessandria)

9:00

Ankle fractures Giovanni Galeoto (Roma)

9:10

Wrist fractures Pasquale Arcuri (Bologna)

9:20

Discussion

SESSION 10

ROUND TABLE: COMPARING HIP SURGERY APPROACHES and OUTCOMES

Chairmans: Alessandro Aprato, Lamberto Felli, Alessio Gai Via, Nicola Maffulli, Riccardo Lanzetti, Gennaro Pipino, Francesco Traina

9:30

Postero-lateral hip approach Fernando Comba (Argentina)

9:38

Lateral hip approach (the Hardinge approach): Liborio Ingala Martini (Venezuela)

9:46

Direct anterior hip approach: Matias Salineros (Chile)

9:54

The workhorse of hip arthroplasty: the posterior approach Steve Krikler (UK)

10:04 / 10:40

Discussion

9:30 / 10:30

AULA GIUNONE – PARALLEL SESSION
ADVANCES IN MSK CONDITION MANAGEMENT

Chairmans: Calogero Foti, Valter Santilli

9:30 **Single-Dose Intra-Articular Injection of Sodium Hyaluronate and Sodium Chondroitin for Hip Osteoarthritis** Cosimo Costantino (Parma)

9:40 **Intra-articular Injection Therapy in hip and knee osteoarthritis: rationale for the administration of Hymovis MoRe 32mg/4ml** Andrea Bernetti (Roma)

9:50 **Minimally invasive rehabilitation treatment of sciatica from herniated disc** Raoul Saggini (Pescara)

10:00 **Where and when nutraceuticals really act in tendinopathies** Monica Montopoli (Padova)

10:10 **Acupressure mat and exercise therapy for chronic low back pain management**
Antonio Frizziero (Parma)

10:20 **Advances in muscularity assessment for patients with musculo-skeletal disorders: methods and applications** Marco A. Minetto (Torino)

10:30 **Discussion**

10:40 - 11:00 COFFEE BREAK

11:00 / 11:40

SALA GIOVE – WORKSHOP SPONSOR FIDIA

Conservative and rehabilitation management of Achilles and patellar tendinopathy

Chairmans: Antonio Frizziero, Monica Montopoli

11:00 **The importance of the integrated therapeutic approach** Antonio Frizziero (Parma)

11:05 **"Tenoprotection" with nutraceuticals** Monica Montopoli (Padova)

11:15 **Efficacy of Hyaluronic Acid 500-730 kDa injection therapy** Antonio Frizziero (Parma)

11:30 **The role of the combined exercise therapy** Fabio Finocchiaro (Parma)

11:35 **Discussion**

11:00 / 12:00

AULA GIUNONE – PARALLEL SESSION

Direct Anterior Approach (DAA) for hip arthroplasty step by step

Chairmans: Cesare Faldini Alessio Giai Via, Nicola Maffulli, Mauro Nese,
Marco Spoliti, Francesco Traina

11:00 **DAA THA: surgical indications** Cesare Faldini (Bologna)

11:07 **Surgical field and skin preparation** Alessio Giai Via (Roma)

11:14 **DAA THA step by step** Marco Spoliti (Roma)

11:21 **DAA THA: Video** Silvio Chiossi (Roma) Marco Spoliti (Roma),
Alessio Giai Via (Roma), Riccardo Lanzetti (Roma)

11:31 **Tips and tricks** Alberto Fioruzzi (Milano)

11:38 **Results and complications of DAA THA** Francesco Traina (Bologna)

11:45 **Discussion**

SESSION 11

STRETCHING: THE NEW INSIGHT

Chairmans: Johnny Padulo, Roberta Palumbo, Mario Vetranò

11:40

Stretching training and morphological adaptations. Stefano Longo (Milano)

11:50

Acute effects of three hamstring stretching techniques on body range of movement, balance and functional capacity. Ewan Thomas (Palermo)

12:00

Stretching during the Warm-up and to Increase Flexibility for Taekwondo Monoem Haddad (Qatar)

12:10

Stretching as a factor underlying the running technique and economy Leonardo A. Peyré-Tartaruga (Brazil)

12:20

Discussion

12:05 / 13:30

AULA GIUNONE – PARALLEL SESSION

BIOMIMETIC IN VITRO MODEL FOR MUSCULOSKELETAL TISSUE ENGINEERING

Chairmans: Barbara Barboni, Anna C. Berardi, Emanuele Giordano, Valentina Giudice

12:05 **12 years' experience in HSCs CD34+ treatment – my piece of cake in knee osteoarthritis**

Marek Krochmalski (Poland)

12:15 **Human Stem cells from Bone Marrow: what perspectives for Tissue engineering of Musculoskeletal system** Giudice Valentina (Salerno)

12:25 **Stem cells and tendon stem cells for in vitro tenogenic events studies and Tissue Engineering research** Maria Camilla Ciardulli (Salerno)

12:35 **Tendon Biomimetic PLGA 3D Scaffold with Potentiated Biological Capability on Amniotic Epithelial Stem Cells for Tendon Tissue Engineering Applications** Giuseppe Prencipe (Teramo)

12:45 **Stromal vascular fraction vs amniotic epithelial as mesenchymal stem cell sources. Preclinical study on osteoarthritis** Francesca Veronesi (Bologna)

12:55 **PBMC activity in myogenesis studied by a3D co-culture bioengineered with human stem cells and myoblast** Pasqualina Scala (Salerno)

13:05 **Bioreactors for 3D culture in Tissue engineering of musculoskeletal system** Joseph Lovecchio (Bologna)

13:15 **Questions and discussions**

SESSION 12

SPINE

Chairmans: Cesare Faldini, Nicola Maffulli

12:30

What's new in Surgery for Scoliosis Alberto Ruffilli (Bologna)

12:40

Spinopelvic Stabilization Mario Arduini (Roma)

12:50

Complications of Spine Stabilization Riccardo Iundusi (Roma)

13:00

What's new in Non Surgical Management of Scoliosis Francesco Forte (Salerno)

13:10

Discussion

13:20 - 14:20 LUNCH

SESSION 13

REGENERATIVE MEDICINE: STATE OF THE ART

Chairmans: Anna C. Berardi, Bernardo Innocenti, Francesco Oliva

14:20

Disc Regeneration Gianluca Vadalà (Roma)

14:30

Towards the control of bone repair/regeneration through the physico-chemical and topographical properties of implant biomaterials Milena Fini (Bologna)

14:40

Tendon progenitor stem cells & tendon regeneration Giovanna Della Porta (Salerno)

14:50

The use of Collagen type I for the treatment of tendinopathies Bruno Corrado (Napoli)

15:00

Autologous Matrix-Induced Chondrogenesis (AMIC) for the regeneration of chondral defects
Filippo Migliorini (Germany)

15:10

Discussion

15:20

I.S.Mu.L.T. & IBSA Foundation "Award 2022"

Committee: Bernardo Innocenti, Nicola Maffulli, Francesco Oliva, Johnny Padulo

SESSION 14

JOINTS INSTABILITY

Chairmans: Vincenzo De Luna, Nicola Maffulli, Fabio Treia

15:40

What Cuboid syndrome Amol Saxena (USA)

15:50

Shoulder Instability And Associated Lesions Gianfelice Trinchese (Sarno)

16:00

Elbow Instability and Associated Lesions Simone Nicoletti(Firenze)

16:10

Ankle Instability and Associated Lesions Rocco Aicale (Salerno)

16:20

Knee Instability and Associated Lesions Lorenzo Moretti (Bari)

16:30

Knee proprioception deficits following an ACL injury: A myth or a reality?

Ashokan Arumugam (Sharjah, U.A.E.)

16.40

Discussion

17.00 CLOSING REMARKS AND PRESENTATION OF ISMULT 2023 Prof. Nicola Maffulli

POSTER 2022

GIAN MARIO MIGLIACCIO

Effects of Mental Fatigue on Reaction Time in Athletes

Autori: Gian Mario Migliaccio, Tania Orgiana, Matteo Manuel, Johnny Padulo

ELEONORA PICCIRILLI

Periprosthetic Fractures Of The Femoral Stem In Compromised Patients: Is That Osteosynthesis A Suitable Surgical Option?

Autori: Eleonora Piccirilli, Marco Cateni, Danilo Rossi, Ambra Mastrogregori, Marco Kourosh Bakhtafrouz, Elena Gasbarra

DOMIZIANO TARANTINO

High-intensity interval training for chronic pain conditions: a narrative review

Autori: Riccardo Maria Botta, Stefano Palermi, Domiziano Tarantino

The effects of SARS-CoV-2 pandemic countermeasures on patients receiving infiltrative treatment for musculoskeletal disorders: a study from an Italian cohort

Autori: Domiziano Tarantino, Rossana Gnasso, Felice Sirico, Bruno Corrado

Intra-articular hyaluronic acid injections and oral collagen supplementation for knee osteoarthritis: A case report of an elite female soccer player

Autori: Domiziano Tarantino, Felice Sirico, Bruno Corrado, Carlo Ruosi

STEFANO PALERMI

Acceptability and practicality of a quick musculoskeletal examination into sport medicine pre-participation evaluation

Autori: Stefano Palermi, Giada Annarumma, Alessandro Spinelli, Bruno Massa, Alessandro Serio, Marco Vecchiato, Andrea Demeco, Erica Brugin, Felice Sirico, Franco Giada, Alessandro Biffi

The effectiveness of Adapted Personalized Motor Activity (AMPA) to improve health on individuals with mental disorders and physical comorbidities: a randomized controlled trial

Autori: Vito Lamberti, Stefano Palermi, Andrea Franceschin, Giovanni Scapol, Vincenzo Lamberti, Chiara Lamberti, Marco Vecchiato, Rocco Spera, Felice Sirico, Elisabetta Della Valle

VINCENZO GENOVESE

Case Report: Utilizzo della termografia nella pratica clinica delle lesioni muscolari nello sportivo

Autori: Genovese Vincenzo, Mazzullo Roberta, DeMarzo Raffaele

SIMONE MICALIZZI

A novel approach for the biofabrication of multiscale and multimaterial scaffolds toward tendon and ligament engineering

Autori: Simone Micalizzi, Lara Russo, Chiara Giacomelli, Carmelo De Maria, Francesca Montemurro, Maria Letizia Trinca-velli, Giovanni Vozzi

GIUSEPPE PRENCIPE

Biomimetic PLGA 3D Scaffold Potentiate Amniotic Epithelial Stem Cells Biological Capability for Tendon Tissue Engineering Applications

Autori: Prencipe Giuseppe, El Khatib Mohammad, Citeroni Maria Rita, Mauro Annunziata, Wyrwa Ralf, Schnabelrauch Matthias, Berardinelli Paolo, Russo Valentina, Barboni Barbara

EDOARDO BORI

Development of an experimental protocol for in vitro motion-capture testing of knee joint

Autori: Edoardo Bori, Nicola Armillotta, Chiara Amilicia, Bernardo Innocenti

MATTEO BUDA

Iniezione subacromiale di collagene idrolizzato nel trattamento sintomatico della tendinopatia della cuffia dei rotatori

Autori: Matteo Buda, Sabri Dlimi, Marco Parisi, Gianluca Bisinella, Andrea Benoni, Stefano Di Fabio

MARTINA FAVARON

Biomechanical analysis of the knee joint during flexion in healthy, cruciate deficient and cruciate substitute conditions.

Autori: Martina Favaron, Edoardo Bori, Bernardo Innocenti

MARIA CAMILLA CIARDULLI

Tendon Stem/Progenitor Cells and in vitro model of tendon regenerative events

Autori: Ciardulli Maria Camilla, Giudice Valentina, Oliva Francesco, Maffulli Nicola, Della Porta Giovanna

PASQUALINA SCALA

PBMC contribution in myogenesis events studied by an in-vitro 3D system bioengineered with human Bone Marrow-Stem Cells and Myoblasts

Scala Pasqualina, Giudice Valentina, Rehak Laura, Selleri Carmine, Maffulli Nicola, Della Porta Giovanna

ERWIN PAVEL LAMPARELLI

Lamparelli

Chondro-inductive injectable hydrogels: a novel advanced therapy platform for cartilage healing

Lamparelli Erwin Pavel, Maffulli Nicola, Della Porta Giovanna

MASSIMILIANO NENNA

The Effect Of Proprioceptive Control On Walking Gait Coordination

Autori: Massimiliano Nenna, Fabio Esposito

ALESSANDRO LUCA CERRETTI

Radiofrequenza ed Elettroporazione nella terapia dei DTM vs Terapia Farmacologica Convenzionale.

Autori: Alessandro Luca Cerretti, Pietro Nannelli, Flavia Del Grosso, Tiziana Doldo, Franco Di Stasio, Pierluigi Lucchese, Alberto Faucci.

DANILO DONATI

Valutazione ecografica della tendinopatia nel paziente emofilico ai fini delle indicazioni riabilitative

Autori: Danilo Donati, Giuseppina Mariagrazia Farella, Lelia Valdrè, Lydia Piscitelli, Paolo Spinnato, Marco Miceli, Antonio Frizziero, Maria Grazia Benedetti.

AMOL SAXENA

Single incision lateral Calcaneal osteotomy and peroneal tendon repair: case series and preliminary findings

Autori: Amol Saxena, Magali Fournier

JAY E. SPECTOR

Micronized Dehydrated Amnion Chorion Membrane (mdHACM) Injection in the Treatment of Chronic Achilles Tendinitis
A Large Retrospective Case Series

Autori: E. Spector, Kimberly Kot, David Mason

MARIA GALASSO

Occhi, Luce Blu E Rachide Cervicale

Autori: Maria Galasso, Nicola Di Stazio

VERONICA COCETTA

Mitochondrial Involvement In Tamoxifen-Induced Synovitis: Preliminary In Vitro Investigations

Autori: Cocetta V., Bressan S., Giacomini I., Tinazzi M., Orso G., QuagliarIELLO V., Berretta M., Ragazzi E., Frizziero A., Montopoli M

Si ringraziano

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