



International  
**S**ymposium  
Intra  
**A**rticular  
**T**reatment



**Barcelona**  
3-5 October **2013**

**[www.isiat.it](http://www.isiat.it)**



**Scientific Program**



# International Symposium Intra Articular

## CONGRESS CHAIRMAN

---

### **Alberto Migliore**

*Director of Unit of Rheumatology*

*St. Peter Hospital and Center Research FBF - Rome, Italy*

*President of National Foundation of ultrasound guided Hip intra-articular Therapy (ANTIAGE)*

## CONGRESS CO-CHAIRMAN

---

### **Sandro Tormenta**

*Department of Diagnostic Imaging and Interventional Radiology*

*St. Peter Hospital FBF - Rome, Italy*

*Vice President of National Foundation of ultrasound guided Hip intra-articular Therapy (ANTIAGE)*

## SCIENTIFIC SECRETARIAT

---

### **Emanuele Bizzi**

*Unit of Rheumatology*

*St. Peter Hospital and Center Research FBF - Rome, Italy*

## Local Committee

<b>J. Gratacós</b>	<i>Spain</i>
<b>R. Mirapeix</b>	<i>Spain</i>
<b>C. Orellana</b>	<i>Spain</i>

## Scientific Board

<b>G. Boni</b>	<i>Italy</i>
<b>J. F. Blanco</b>	<i>Spain</i>
<b>A. J. Boon</b>	<i>USA</i>
<b>X. Chevalier</b>	<i>France</i>
<b>S. Colen</b>	<i>Belgium</i>
<b>D. Diracoglu</b>	<i>Turkey</i>
<b>C. H. Evans</b>	<i>USA</i>
<b>G. Herrero-Beaumont</b>	<i>Spain</i>
<b>L. M. Sconfienza</b>	<i>Italy</i>

## Faculty

Allen G.	<i>UK</i>	Migliore A.	<i>Italy</i>
Bizzi E.	<i>Italy</i>	Minisola G.	<i>Italy</i>
Blanco J. F.	<i>Spain</i>	Mirapeix R.	<i>Spain</i>
Bliddal H.	<i>Denmark</i>	Monfort J.	<i>Spain</i>
Boni G.	<i>Italy</i>	Muñoz Fernandez S.	<i>Spain</i>
Boon A.J.	<i>USA</i>	Oliveira M. A.	<i>Portugal</i>
Busilacchi A.	<i>Italy</i>	Orellana C.	<i>Spain</i>
Callegari L.	<i>Italy</i>	Palau J.	<i>Spain</i>
Cardelli R.	<i>Italy</i>	Petrella R.J.	<i>Canada</i>
Chevalier X.	<i>France</i>	Pomés J.	<i>Spain</i>
Colen S.	<i>Belgium</i>	Rabago D.	<i>USA</i>
Conrozier T.	<i>France</i>	Radenne F.	<i>France</i>
Cugat R.	<i>Spain</i>	Raman R.	<i>UK</i>
D'Avola G.	<i>Italy</i>	Reinecke J.	<i>Germany</i>
De Bari C.	<i>UK</i>	Richette P.	<i>France</i>
De Marchi A.	<i>Italy</i>	Sanchez M.	<i>Spain</i>
Delle Sedie A.	<i>Italy</i>	Scali J.J.	<i>Argentina</i>
Diracoglu D.	<i>Turkey</i>	Scarpellini M.	<i>Italy</i>
Evans C.H.	<i>USA</i>	Sconfienza L.M.	<i>Italy</i>
Fillipou G.	<i>Italy</i>	Setton L.	<i>USA</i>
Forriol F.	<i>Spain</i>	Simkin P.	<i>USA</i>
Galesso D.	<i>Italy</i>	Tavana R.	<i>Italy</i>
Garreta R.	<i>Spain</i>	Tormenta S.	<i>Italy</i>
Gigante A.	<i>Italy</i>	Wehling P.	<i>Germany</i>
Gonçalves B.	<i>Portugal</i>	Wilson D.	<i>UK</i>
Gratacós J.	<i>Spain</i>		
Henrotin Y.	<i>Belgium</i>		
Herrero-Beaumont G.	<i>Spain</i>		
Jay G.D.	<i>USA</i>		
Kievit A.J.	<i>Nederland</i>		
Klauser A.	<i>Austria</i>		
Maheu E.	<i>France</i>		
Massafra U.	<i>Italy</i>		
Matucci Cerinic M.	<i>Italy</i>		

3<sup>rd</sup> October

THURSDAY

SATELLITE ROOMS

15.00 - 16.00

**PRACTICAL SESSION****Ultrasound-guided intra-articular injections: practical courses on how to do it**Knee *A. Delle Sedie (Italy); M. A. Oliveira (Portugal)*Shoulder *G. Filippou (Italy); L. M. Sconfienza (Italy)*Sacro-iliac *E. Bizzi (Italy); A. Klauser (Austria)*

16.00 - 16.30

**Opening Ceremony****Greeting of the authorities***F. Forriol (Spain) - President of Spanish Society of Orthopedic Surgery and Traumatology**R. Garreta (Spain) - President of the Spanish Society of Rehabilitation and Physical Medicine**J. Gratacós (Spain) - Medical Institute Parc Taulí, University Institute UAB, Rheumatology Department**M. Mattedi Cerinic (Italy) - President of Italian Rheumatology Society**A. Migliore (Italy) - Symposium President**S. Muñoz Fernandez (Spain) - President of Spanish Rheumatology Society*

Scientific Secretariat introduction

PLENARY ROOM

16.30 - 17.00

**Main lecture**Chairman: *G. Minisola (Italy)***Stem cells in osteoarthritis, state of art** *C. De Bari (UK)***Discussion**

17.00 - 18.15

**FIRST SESSION****New trends in intra-articular treatments**Chairmen: *J. Gratacós (Spain), J. Monfort (Spain), P. Richette (France)*

17.00 - 17.15

**Tribosupplementation: the point***G. D. Jay (USA)*

17.15 - 17.30

**Use of botulinum toxin for intra-articular therapy***A. J. Boon (USA)*

17.30 - 17.45

**Hypertonic dextrose injections (prolotherapy) in osteoarthritis***D. Rabago (USA)*

17.45 - 18.00

**Hyaluronic acid intra-articular injections in knee osteoarthritis (OA): who should be treated?***E. Maheu (France)*

18.00 - 18.15

**The effects of intra-articular ozone-oxygen injections in patients with different kind of diseases***D. Diracoglu (Turkey)*Chairman: *R. Tavana (Italy)*

18.15 - 18.30

**Visco-supplements: how, when and why?***G. D'Avola (Italy)*

18.30 - 19.00

**Lecture**Chairman: *U. Massafra (Italy)***Progress in the intra-articular HA therapy: MO.RE. and more***R. Cardelli, D. Galessio (Italy)*

19.00 - 19.15

End of works

19.15 - 19.45

Welcome cocktail

## 4<sup>th</sup> October

**FRIDAY**

**PLENARY ROOM**

*Chairman: S. Tormenta (Italy)*

- 08.30 - 08.45** **US guided shoulder interventions: tips and tricks**  
*L. M. Sconfienza (Italy)*
- 08.45 - 10.30** **SECOND SESSION**  
**Hyaluronic acid and lessons learned: advances in the comprehension of its use**  
*Chairmen: E. Maheu (France), M. Scarpellini (Italy)*
- 08.45 - 09.00** **New advances in viscosupplementation**  
*Y. Henrotin (Belgium)*
- 09.00 - 09.15** **Combining hyaluronic acid with new substances: perspectives**  
*E. Bizzi (Italy)*
- 09.15 - 09.30** **Managing pain after arthroscopy: the DUPRA experience**  
*A.J. Kievit (Nederland)*
- 09.30 - 09.45** **Different joints, different doses? Data from hand, ankle, shoulder, TMJ**  
*S. Colen (Belgium)*
- 09.45 - 10.00** **The AMELIA study: safety and efficacy of viscosupplementation in repeated administrations**  
*G. Herrero-Beaumont (Spain)*
- 10.00 - 10.30** **Main lecture**  
*Chairman: S. Muñoz Fernandez (Spain)*  
**Intra-articular therapy for the hip joint: state of art and perspectives**  
*A. Migliore (Italy)*
- 10.30 - 11.00** **Coffee break**
- 11.00 - 12.00** **Open debate. Therapies in comparison: comparing intra-articular treatments**  
*Chairmen: G. Herrero - Beaumont (Spain), J. J. Scali (Argentina)*
- 11.00 - 11.15** **Why hyaluronic acid is better than steroids**  
*R. Raman (UK)*
- 11.15 - 11.30** **Why steroids are better than hyaluronic acid**  
*H. Bliddal (Denmark)*
- 11.30 - 11.45** **Why hyaluronic acid is better than autologous PRP**  
*X. Chevalier (France)*
- 11.45 - 12.00** **Why autologous PRP is better than hyaluronic acid**  
*M. Sanchez (Spain)*

## 4<sup>th</sup> October

FRIDAY

PLENARY ROOM

12.00 - 12.30

### Lecture

Chairman: U. Massafra (Italy)

**Use of Hyaluronic Acid & Sorbitol Allowing  
Differential Regimen in Knee Viscosupplementation**

T. Conrozier (France)

12.30 - 13.00

### SATELLITE SYMPOSIUM

**HA intra-articular treatment: the more accurate the more effective**

Chairman: A. Migliore (Italy)

**Welcome and introduction - A. Migliore (Italy)**

**Ultrasound technique for the correct management of small joint pathologies:  
hand, wrist and elbow**

J. Palau (Spain)

**Effect of subacromial injections of hyaluronan  
on different grades of rotator cuff lesion: a prospective study**

A. Busilacchi, A. Gigante (Italy)

**Discussion and conclusion - A. Migliore (Italy)**

13.00 - 14.00

### Lunch

14.00 - 15.00

### ORAL COMMUNICATIONS

Chairmen: G. Boni (Italy), D. Diracoglu (Turkey)

**Effectiveness and tolerance infiltration intraarticular corticosteroid according to dose**

D.F. Pereira

**Effects of single high molecular weight sodium hyaluronate in osteoarthritis of knee**

A. Vetro

**Interphalangeal intra-articular injection with triamcinolone hexacetonide:  
assessment of effectiveness in hand osteoarthritis**

N.O. Spolidoro Paschoal

**Efficacy of ultrasound-guided steroid injection in patients with Carpal Tunnel  
Syndrome and sensitivity to change of ultrasound in the follow up of CTS after therapy.**

V. Picerno

**Naturally-derived or chemically cross-linked hyaluronic acid?**

**Intra-articular injection and the risk of severe acute inflammatory reactions  
in patients with osteoarthritis of the knee.**

K. Nakata

**Gait analysis and intra-articular joint infiltrations of HA, executed by Eco tomography  
guide, in patients with gait impairment to hip osteoarthritis.**

S. Denaro

## 4<sup>th</sup> October

**FRIDAY**

**PLENARY ROOM**

**15.00 - 15.30**

### **ROUND TABLE**

**The challenge of guidelines for intra-articular treatments:  
exploring the gap between  
clinical practice and recommendations for viscosupplementation**

*Chairmen: R. Raman (UK)*

*X. Chevalier (France): Presentation on recently published guidelines for IA treatments*

*Discussants:*

*X. Chevalier (France), G. Herrero-Beaumont (Spain), A. Migliore (Italy), R.J. Petrella (Canada)*

**15.30 - 15.50**

### **Lecture**

*Chairman: A. Migliore (Italy)*

**Gene therapy for osteoarthritis: what's next?**

*C. H. Evans (Usa)*

**15.50 - 16.15**

### **Radiologic contribution to intra-articular therapies**

*Chairman: R. Mirapeix (Spain)*

**Role of ultrasound imaging in intra-articular therapy: sacroiliac joint  
and hand osteoarthritis**

*A. Klauser (Austria)*

**16.15- 16.40**

### **Coffee break**

**16.40 - 17.10**

### **Intra-articular space and its particularity. Pharmacokinetics and new therapeutic approaches**

*Chairmen: J. F. Blanco (Spain), C. Orellana (Spain)*

**16.40 - 16.55**

### **Pharmacokinetics in intra-articular space**

*P. Simkin (USA)*

**16.55 - 17.10**

### **Use of nanoparticles as a delivery mean in intra-articular treatments**

*L. Setton (USA)*

**17.10 - 17.25**

### **Lecture**

*Chairman: J. Henriotin (Belgium)*

**Specific rheology and clinical activity of combined HA & Sorbitol  
used in OA viscosupplementation**

*F. Radenne (France)*

**17.25 - 17.40**

### **Lecture**

*Chairman: M. Scarpellini (Italy)*

**Management of Knee Osteoarthritis: A non-surgical approach.**

*P. Richette (France)*



4<sup>th</sup> October

FRIDAY

PLENARY ROOM

17.40 - 18.10

**Lecture***Chairman: A.J. Boon (USA)*

**An innovative combination strategy for intraarticular treatment of osteoarthritis: a prospective, multicenter, randomized, double-blind feasibility study.**

*R. J. Petrella (Canada)*

18.10 - 19.30

**ORAL COMMUNICATIONS***Chairmen: R. Raman (UK), E. Maheu (France)*

**Collagen injections GUNA MDs in patients with acute periartthritis of the shoulder clinical and sonographic assessment**

*R. Nestorova*

**Efficacy and safety of collagen injection GUNA MDs in osteoarthrosis treatment of knee**

*R. Reshkova*

**Viscosupplementation and posturology clinical analisys: preliminary datas**

*L. Gatta*

**Intra articular pulsed radiofrequency. A new approach in the treatment of pain due to knee osteoarthritis**

*V. Serra*

**Viscosupplementation with HANOX-M-XL (HappyCross®) in 137 patients with hip osteoarthritis. Results of a "true life" clinical survey.**

*T. Conrozier*

**Radiofrequency denervation in lumbar "facet syndrome": our experience**

*M. Di Pietro*

**A new device (Lipogems®) to obtain micronized fat tissue with high regenerative properties for autologous/allogenic use in regenerative medicine: three years clinical experience.**

*C. Tremolada*

19.30

End of works

**5<sup>th</sup> October**

**SATURDAY**

**PLENARY ROOM**

**08.30 - 09.00**

**Lecture**

*Chairman: P. Wehling (Germany)*

**Clinical data of intra-articular injections with autologous conditioned serum**

*J. Reinecke (Germany)*

**09.00 - 10.15**

**ROUND TABLE ON SPORTS MEDICINE**

**Role of intra-articular treatments in sports medicine, applications, results and new trends**

*Chairman: G. Boni (Italy)*

**09.00 - 09.25**

**Growth factors in the treatment of chondral lesions in soccer players**

*R. Cugat (Spain)*

**09.25 - 09.45**

**Intra-articular HA-based treatment and FKT, synergy on efficacy profiles in a cohort of 410 patients referring to a Sports Medicine Ambulatory**

*G. Boni (Italy)*

**SELECTED ORAL COMMUNICATIONS**

**09.45 - 10.00**

**Combination therapy of intra-articular hyaluronic acid injection and manual therapy in sportsmen affected by coxarthrosis**

*S. Spaccapanico Proietti (Italy)*

**10.00 - 10.15**

**Use of hyaluronic acid for intra-articular injection in knee osteoarthritis of football players: efficacy, safety and time needed to recover**

*E. Bizzi (Italy)*

**10.15 - 11.00**

**ORAL COMMUNICATIONS**

*Chairmen: E. Bizzi (Italy), S. Colen (Belgium)*

**Viscosupplementation effect on Th17 and activated CD4+ T lymphocytes blood expression in patients with hip osteoarthritis**

*A. Lurati*

**Local administration of glucocorticoids decreases synovial citrullination in rheumatoid arthritis**

*D. Makrygiannakis*

**Synovial Fluid Biomarkers of Innate Immune Activity Predict Osteoarthritis Progression**

*P.A. Band*

**Use of HA in veterinary medicine: experience on hip OA in dogs**

*P. Boni*

**A randomized, double blind study on MD-knee versus HA in patients affected by knee OA: Preliminary data from the JOINT study.**

*U. Massafra*

5<sup>th</sup> October

SATURDAY

PLENARY ROOM

- 11.00 - 11.30** Coffee break
- 11.30 - 12.00** **Mini Symposium**  
 Chairman: E. Bizzi (Italy)  
**Cross-linked hyaluronic acid: instructions for use**  
 A. Delle Sedie (Italy)
- 12.00 - 12.30** **ORAL COMMUNICATIONS**  
 Chairmen: A.J. Boon (USA), J.J. Scali (Argentina)  
**Use of growth factors in the pathology of the knee cartilage. Our experience.**  
 Giannini S.  
**Treatment of calcifying tendinitis of the rotator cuff by ultrasound-guided percutaneous needle aspiration and lavage one year prospective study**  
 F. Del Castillo González  
**Enhanced viscosupplementation method of single intra-articular polyacrylamide viscoprosthesis injection in treatment of gonarthrosis**  
 M. Pogodina
- 12.30 - 13.15** **Joint-specific imaging guidance: the experience of radiologists**  
 Chairmen: B. Gonçalves (Portugal), J. Pomés (Spain)
- 12.30 - 12.45** **Hip injection: one method fits all**  
 S. Tormenta (Italy)
- 12.45 - 13.00** **The Oxford experience in musculoskeletal ultrasound and intra-articular therapy**  
 D. Wilson; G. Allen (UK)
- 13.00 - 14.00** Lunch
- 14.00 - 15.00** **ORAL COMMUNICATIONS**  
 Chairman: R.J. Petrella (Canada)  
**Orthokine-Therapy for high-pain knee OA is safe and effective and may delay surgery. Independent 2 year prospective clinical observational study**  
 J. Baselga García-Escudero  
**Preliminary study in Ultrasound-guided infiltration of Hymovis in viscosupplementation of the elbow, using a 17.5 MHz probe**  
 S. Giannini  
**New biopolymer medical device in combined palliative treatment of gonarthrosis**  
 M. Pogodina  
**The Effectiveness and Safety of Single US guided injection of Hylastan SGL-80 in Primary Hip Osteoarthritis. A Prospective Observational Study.**  
 A. Mahmoud Ali



**5<sup>th</sup> October**

**SATURDAY**

**PLENARY ROOM**

**A cohort study on effectiveness and safety of the association of HA and sorbitol in patients affected by hip OA: results from the SYCA study**

*U. Massafra (Italy)*

**14.50 - 15.00**

**Conclusion of works with greetings from symposium president**

*A. Migliore (Italy)*

**15.00 - 16.00**

**PRACTICAL SESSION**

**Ultrasound-guided intra-articular injections:  
practical courses on how to do it**

**Ankle**

*A. De Marchi (Italy)*

**Hand and wrist**

*G. Allen (UK); L. Callegari (Italy)*

**Hip**

*E. Bizzi (Italy); S. Tormenta (Italy)*

**SATELLITE ROOMS**

## Session Poster

---

Session Poster will take place on "North Shuttle Area" during all the time of Congress.

- 1 **Ultrasound (US) - guided infiltration of steroids and hyaluronic acid in the common sheath of short extensor tendon and abductor longus of pollicis in De Quervain's syndrome**  
*I. G. Burrelli*
- 2 **Viscosupplementation with a new soft-gel cross-linked Hyaluronic Acid (Hylastan SGL-80) in the management of joint pain in osteoarthritis: a six-month clinical trial**  
*D. Culotta*
- 3 **Intra-articular injection with Hylastan SGL-80: long-term experience**  
*M.A. De Pascalis*
- 4 **Epidural injection with corticosteroid via the sacral hiatus for the treatment of cronic refractory sciatalgia**  
*D.F. Pereira*
- 5 **Effectiveness of imaging-guided intra-articular injection: A comparison study between fluoroscopy and ultrasound**  
*D.F. Pereira*
- 6 **Ultrasound (US) guided distension with saline solution and selective injection of corticosteroids and hyaluronic acid in subacromial bursa (SAB) for shoulder impingement syndrome (stage II Neer) treatment**  
*E. Tarabelli*
- 7 **Application of platelet rich plasma in the treatment of knee osteoarthritis. A prospective study.**  
*V. Vaquerizo García*
- 8 **Development of crosslinked hydrogels from recombinant hyaluronic acid for the treatment of osteoarthritis**  
*B.M. Malle*
- 9 **Single intra-articular treatment with 5ml of hyaluronic acid in patients with osteoarthritis of the knee: a randomised, pilot clinical trial compared with standard treatment**  
*P. Font Ugalde*
- 11 **Infiltrative therapy of the painful and stiff shoulder**  
*L. Wolenski*
- 12 **Predictors of outcome related to intra-articular injection in patients with rheumatoid arthritis: a prospective analysis**  
*R.N.V. Furtado*

- 13 **Prospective evaluation of local joint variables after intra-articular injection with corticosteroid in patients with rheumatoid arthritis.**  
*R.N.V. Furtado*
- 14 **Role of high concentrations of mannitol on the stability of hyaluronan in an oxidative stress model induced by xanthine/xanthine oxydase**  
*T. Conrozier*
- 15 **Efficacy and safety of viscosupplementation with HANOX-M-XL (HappyCross®) in ankle osteoarthritis.**  
**Results of a standardized-follow-up**  
*T. Conrozier*
- 16 **Comparison of single injection of lightly cross-linking hyaluronic acid and three consecutive injections of standard hyaluronic acid in patients with knee osteoarthritis**  
*D. Diracoglu*
- 17 **Blinded vs Ultrasound-guided corticosteroid injections for the treatment of the Greater Trochanteric Pain Syndrome (SDPT): a randomized controlled trial**  
*E.G. Queiroga*
- 18 **Efficacy and safety of yttrium90 synoviorthesis in inflammatory knee synovitis: a prospective evaluation of 135 procedures in 85 patients**  
*H. Fella*
- 19 **Knee OsteoArthritis Radiographic Severity and Initial Pain Level Influencing Short and Mid-Term Response Rate After viscosupplementation Treatment by Combined Hyaluronic Acid and Sorbitol**  
*T. Conrozier*
- 20 **Efficacy of Knee OsteoArthritis Viscosupplementation Treatment by Combined Hyaluronic Acid and Sorbitol According to Radiographic Severity or Initial Pain Level**  
*T. Conrozier*
- 21 **Enhanced viscosupplementation method of single intra-articular polyacrylamide viscoprostheses injection in treatment of gonarthrosis**  
*V.V. Zar*
- 22 **Observational study on the efficacy and safety of administration of cross-linked hyaluronic acid on Hip osteoarthritis. Follow up at 12 months.**  
*L. Wolenski*
- 23 **Can human lipoaspirate be considered an autologous injectable scaffold to repair cartilage defects?**  
*M. Bosetti*

## Congress Venue

**BARCELONA**  
**Barcelo Sants Hotel**  
Plaça Paisos Catalans s/n, Estacio de Sants  
08014 Barcelona, SPAIN  
Tel.: (+34) 935 03 53 00

*The official language of Congress  
is English.*

*Translation from English  
to Italian will be provided.*

## Patronage of Congress:



**Società Italiana  
di Reumatologia**

## Organizing Secretariat

### ITALY

**dynamicom srl**

**Valentina Arena - Fiorella Mortara**  
Via San Gregorio, 12  
20124 Milano  
Tel. (+39) 02 89693762  
Fax (+39) 02 201176  
valentina.arena@dynamicom.it  
fiorella.mortara@dynamicom.it

### SPAIN

**dynamicom  
SALUD**

**Elena Lagalante**  
c/ Moià 1, 6° 1ª  
08006 Barcelona  
Tel.: (+34) 607 260 684  
Fax: (+34) 93 212 09 70  
lagalante@dynamiccomsalud.es

## OTHER COUNTRIES

**LT3  
SUISSE** LT3 SUISSE Sagl

**Rubina Matoso**  
Via Bossi, 50  
6830 Chiasso (CH)  
Tel. (+41) 91 682 67 88  
Fax. (+41) 91 695 50 85  
rubina.matoso@lt3suisse.ch



**ECM credits will be requested  
for Italian doctors**



## We would like to thank for their valuable support

### PLATINUM SPONSOR

---



### GOLDEN SPONSOR

---



### SILVER SPONSOR

---



### SPONSOR

---

Abiogen Pharma S.p.A.

**ALFA WASSERMANN** S.p.A.

Anteis S.A.

Bruno Farmaceutici S.p.A.

Carbylan BioSurgery

Croma-Pharma GmbH

Esaote S.p.A.

Fidia Farmaceutici S.p.A.

Ge Medical System Italia S.p.A.

Ibsa Farmaceutici Italia S.r.l.

Orthogen Lab Services GmbH

Research Center Bioform

TRB Chemedica International S.A.

Viscobasic S.L.

