

WIP 2020

ROME

10TH WORLD CONGRESS OF THE
WORLD INSTITUTE OF PAIN (WIP)

26-29 AUGUST, 2020
ROME MARRIOTT PARK HOTEL - ROME

PROGRAM BOOK



www.wip-rome2020.org



INDEX

Menarini Symposium



Friday, August 28th 12:15 / 14:00
Plenary Hall

REDUCING THE GAP BETWEEN BEST EVIDENCE AND CLINICAL PRACTICE

Chairman: Giustino Varrassi

- | | |
|---------------|---|
| 12.15 12.30 | Introduction
Prof. Giustino Varrassi |
| 12.30 12.55 | Update on surgical procedures: benefits of early patient mobilization
Prof. Victor Mayoral |
| 12.55 13.20 | Multimodal analgesia as a anaesthesiologists' direction: patient outcomes
Prof. Antonio Montero |
| 13.20 13.45 | A Multimodal combination for the effective control of Acute Pain
Prof. Magdi Hanna |
| 13.45 14.00 | Discussion and final remarks |



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OPENING NOTES AND THANK YOU MESSAGE FROM THE WIP PRESIDENT

Dear Colleagues and friends,

This congress of WIP follows a tradition of biennial congresses organized all around the world over two decades long. Certainly, the organizers did not have an easy time and an easy task, but traditions are traditions, and must be kept alive. The Coronavirus pandemic has changed the life of many people globally but, as far as WIP is alive, its congress must take place for the benefit and respect of its over 3,000 Members, over 1,200 FIPP and nearly 200 CIPS, but especially to give its contribution to a better approach to the pain patients. WIP is a society of Pain Physicians devoted to educating the young generations of Pain Physicians willing to help suffering patients. Certainly, the congress is not the only educational event organized by WIP. The annual courses on cadavers organized in Budapest, Istanbul, Miami, and Taiwan, followed by the exams for the diploma of FIPP and/or CIPS are educational programs focused on practical education in interventional pain practice. They have been organized in the last +20 years and have represented the place of growth and challenge for thousands of physicians. This is nothing special, because it's part of the aim of WIP, but definitely it is unique in the global panorama of the scientific and educational societies devoted to pain management. The WIP congress represents the "agora" for interaction and growth of everyone, teachers and younger health care professionals. It is the right place to meet the right people, useful for an open discussion and exchange of everyday experiences. With this in mind, the Organizing Committee of the congress decided to keep alive the 10th WIP Congress in Roma, even if it was obliged to postpone it and experienced myriad of difficulties. Traditions are traditions and cannot be ignored.

"Necessity is the mother of adaptation and invention". The last 6 months have represented the most productive period of time in our life and probably at global level. The new technologies imposed by the market have represented the most impressive means to bypass difficulties. Communications have been made very simple via our smart phone, tablet or computer. This dramatic event has stimulated the fantasy of all the digital world. We will never know if the long-lasting persistence of the COVID pandemics was the motivation for the rapid evolution of the new technologies or the consequence. In any case, humanity has new technologies that must be used and put at the service of a better quality of life for everybody. The WIP Congress has taken the advantage of this potentialities, and in this moment, there are over 2,000 "virtual participants" connected with the congress venue. All the rooms and the exhibition area are continuously monitored for their benefit. Obviously, the "in person" congress cannot be replaced. The personal contact and exchange of experiences is peerless. The feeling to be part of a big, alive, and productive scientific community, with the possibility to explore the congress venue, and to listen the interesting presentations delivered in the congress rooms, will



Giustino Varrassi, MD, PhD, FIPP
President, World Institute of Pain

never be replaced by sitting at home, in front of your computer. At best, it represents a palliation, that gives the possibility to "participate" also to Colleagues that are forbidden to fly to Roma. At personal level and on behalf of WIP I wish to thank the Scientific Program Committee, for putting together an amazing program, and being ready to adapt all the sessions to the new necessities imposed by the COVID-19 restrictions. We will have a mixture of presentations, some in person, some in streaming and others recorded. We apologize to all the Speakers already committed, but who had to be excluded because of the mentioned restrictions. A warm thank you to all the sponsoring companies that have trusted the enthusiasm and hard work of the Organizing Committee of this WIP Congress. They deserve our respect and our deep gratitude. Without them, scientists and health care professionals would have much less possibilities to increase knowledge and skills. Some of them deserve a special thanks because they have dealt with internal obstacles and have trusted in the project. Indeed, our special thank you goes to all the participants that have insisted to be present in person for this event. It would be useless to mention how many reciprocal inputs there have been in the last 6 months between them and us. My personal email box was exploding, as it was the email box dedicated just to the congress, with over 4,000 emails. They are great, and represent the best compensation for our efforts. Without all of you, the congress would not exist. Thank you for your presence. I hope to show a better aspect of WIP, Roma, Italy next year in May for the congress that will represent better what we had already prepared for you this year. A very warm thank you to the More & More team, and especially to the project manager of this event. They have worked extremely hard to make all this possible. Once again, it was clear that the teamwork is absolutely indispensable for any ambitious projects. Now that the team is well established, it will be only a pleasure to work with them for the 2021 WIP Congress edition, which will be again in Roma, this time hopefully without "virulent" obstacles. Lastly, thank you to the WIP team, starting from the full WIP Executive Board. This year has been extremely stressful also for them, but "we made it", and I feel proud and happy to have such incredible support by them.

A WARM WELCOME FROM THE SCIENTIFIC PROGRAM COMMITTEE

Welcome to the World Institute of Pain and Rome, the Eternal City.

The Scientific Programme Committee has worked hard to provide you with a topical, innovative and wide -ranging set of lectures, seminars and workshops to provide you with the knowledge and tools to better diagnose and treat your patients suffering from painful conditions. Topics covered include moving towards mechanisms as a basis for treatments, what happens within the complex neuronal circuits of pain and suffering, novel treatments and therapies and current best practice.

In addition, there are poster sessions covering recent advances and approaches from authors and institutions from around the world. Learn, discuss, add your knowledge and interact!



Anthony Dickenson, PhD
Chair, Scientific Committee

WIP 2020 COMMITTEES & COUNCIL

WIP 2020 - SCIENTIFIC PROGRAM COMMITTEE

Anthony Dickenson ▶ *UK* • **Chair**
Aaron Calodney ▶ *USA*
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Mert Akbas • MD, FIPP ▶ *Turkey* • **Board of Sections Chair**
Miles R. Day • MD, DABA-PM, DABIPP, FIPP ▶ *USA* • **Honorary Secretary**

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Athina Vadalouka • MD, PhD, FIPP ▶ *Greece* • **Committee on Bylaws**
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Emmanuel Thobejane • MBChB, Mmed Neurosurgery, CIME, FIPP ▶ *Africa*
Yu Chuan Tsai • MD, FIPP ▶ *Taiwan*

SAMUEL J. HASSENBUSCH PRIZE RECIPIENTS



Samuel J. Hassenbusch

Awarded to the highest score on the examination
for Fellow of Interventional Pain Practice (FIPP).

2017	Thibaut Paul Pierre Vanneste • MD FIPP ▶ <i>Belgium</i>
2016	Paul E. Ferris • MBBSf, FFPMANZCA, FIPP ▶ <i>Australia</i>
2015	Bahman Ben Shamloo • MD FIPP ▶ <i>Iran/USA</i>
2014	Cherilyn Fenech • MD, MRCP, DESA, FIPP ▶ <i>Malta/UK</i>
2013	Chi Wing Chan • MBBS, FANZCA, FHKCA, FIPP ▶ <i>Hong Kong</i>
2012	Amaury M.M. Verhamme • MD FIPP ▶ <i>Belgium</i>
2011	Jan Willem Kallewaard • MD FIPP ▶ <i>Netherlands</i>
2010	Robert B. Sie • MD FIPP ▶ <i>Netherlands</i>
2010	Kwok Bun Bob Chan • MBChB, FIPP ▶ <i>Hong Kong</i>
2009	Liong An Liem • MD FIPP ▶ <i>Netherlands</i>
2008	Javier de Andres Ares • MD FIPP ▶ <i>Spain</i>
2008	Louis J. K. Pau • MD FIPP ▶ <i>USA</i>

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PROGRAM



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PROGRAM AT A GLANCE

DAY 1 • WEDNESDAY 26 AUGUST, 2020

08.00 • Registration opens					
PLENARY HALL		HALL 2		HALL 3	HALL 4
09.00 - 10.30		Education Public education and training in pain management and palliative care <i>C. Aurilio, J.C. Flores, S.C. Lee, S. Schug, M. Stojanovich, J. Van Zundert</i>		TS Crisis in pain medicine: data collection, opioid and polypharmacy <i>J. Peppin, J. Pergolizzi, R. Raffa</i>	
10.30 - 11.00	Coffee break in the foyers			Coffee break in the foyers	
11.00 - 12.30	Plenary 1 Role of cannabinoids in chronic pain management <i>C. Buonerba, V. Guardamagna, L. Luongo</i>			SS The science of painful degenerative disc <i>D. Rea, A. Calcedone, P. De Ruggi</i>	
12.30 - 15.00	Lunch Break • Sponsored Symposium ► PLENARY HALL			Lunch Break • Sponsored Symposium ► PLENARY HALL	
15.30 - 17.00	TS Postoperative pain in special patients <i>P.A. Lonqvist, N. Rawal, A. Bhaskar</i>	TS COVID-19 and pain <i>C. Aurilio, G. Iolascon, C. Pace, V. Pota, P. Sansone</i>		TS Stem cells and regenerative medicines: reconciling basic science, translational application, and clinical outcomes <i>T. Buchheit, J. Cheng, R.-R. Ji</i>	
17.00 - 18.00	EC Chronic Pain: molecular and cellular mechanisms <i>S. Maione, F. Ricciardi</i>			TS Polipharmacy and novel analgesics <i>C. Gharibo, J. Peppin, R. Rauck</i>	
18.30					
18.00 - 19.30	Opening Ceremony				
	Special Lecture James Heavner Lecture (JH): Genetics of chronic pain <i>L. Diatchenko</i>				
	19.30 • Welcome Reception in the Foyers			19.30 • Welcome Reception in the Foyers	

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Meet the expert Sessions

Networking Events

Live Demonstrations in U/S

Special Sessions

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Break/Exhibit & Poster Viewing

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Emerging Concepts

PROGRAM AT A GLANCE

DAY 2 • THURSDAY 27 AUGUST, 2020

	PLENARY HALL	HALL 2	HALL 3		HALL 4	HALL TINTORETTO 2
08.00 - 09.30	Plenary 2 Ethic in pain management <i>L. Boella, S. Erdine, M. Erdek</i>		TS Update in cancer pain syndromes <i>B.C. Hernandez-Porras, K. Vissers, A. Bhaskar</i>		TS Spinal cord stimulation for neuropathic pain <i>S. Eldabe, J. Gill, B. Joosten</i>	
09.30 - 10.00	Coffee break in the foyers				Coffee break in the foyers	
10.00 - 11.30	TS Transition from acute to chronic postsurgical pain <i>E. Moka, A. Montero-Matamala, N. Rawal</i>					
11.30 - 12.15	Special lecture Gabor Racz Lecture (GR): Personalized pain medicine <i>R. Baron</i>					
12.15 - 14.00	Lunch Break • Sponsored Symposium ► HALL 2				Lunch Break • Sponsored Symposium ► HALL 2	
14.00 - 15.30	TS Effective pain relief with opioids therapy: at what price <i>A. K. Bhaskar, S.A. Schug, C. Scarpignato</i>	TS Trigeminal neuralgia and facial pain <i>G. Cruccu, S. Erdine</i>	TS PART 1 Neuromodulation in the last decade: implications for clinical practice and indications <i>L. Kapural, D. Provenzano, P. Staats, C. Tornero, R. Vallejo</i>		TS Updates in neuroplasty <i>L. Gerdemeyer, G. B. Racz</i>	LIVE DEMO Endoscopic lumbar facet and SIJ treatments <i>M. Divizia, G. Germani, S. Meloncelli</i>
15.30 - 16.00	Coffee break in the foyers				Coffee break in the foyers	
16.00 - 17.30	TS New concepts for stratifying osteoarthritis patients and their future implications <i>R. Baron, A. Dickenson, P. Sarzi Puttini, G. Varrassi</i>	Education Technical aspects of interventions <i>J. De Andrés Ares, J. Gill, M. Stojanovic</i>	TS PART 2 Neuromodulation in the last decade: implications for clinical practice and indications <i>L. Kapural, D. Provenzano, P. Staats, C. Tornero, R. Vallejo</i>		TS What is effective and what is not? Assessing outcome of interventions for pain <i>A. Bhaskar, A. Bhatia, S. Cohen</i>	LIVE DEMO Endoscopic lumbar facet and SIJ treatments <i>M. Divizia, G. Germani, S. Meloncelli</i>

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PROGRAM AT A GLANCE

DAY 3 • FRIDAY 28 AUGUST, 2020

	PLENARY HALL	HALL 2	HALL 3		HALL 4	HALL TINTORETTO 2
08.00 - 09.30			TS Novel algorithms for visceral pain <i>M. Puytaert, L. Kapural</i>		Education Evidence-based guidelines interventional pain medicine, according to clinical diagnoses <i>M. Stojanovic, M. van Kleef, J. Van Zundert</i>	LIVE DEMO Ultrasound for diagnosis and therapy in pain medicine <i>E. Amorizzo, F. Micheli, F. Occhigrossi, S. Tamburin</i>
09.00		Meet the Expert Registries for Neuropathic Pain: are they crucial for patients and the planning of healthcare services <i>A. Vadalouka</i>				
09.30						
09.30 - 10.00	Coffee break in the foyers				Coffee break in the foyers	
10.00 - 11.30	Plenary 3 Interventional pain: innovations and future <i>S. Eldabe, J. Rathmell, R. Ruiz-Lopez</i>	SS Pro-con session There is no need for catheters in peripheral techniques for postoperative analgesia <i>A. Delices, N. Rowat</i>				
11.30 - 12.15	Special lecture John Bonica Lecture (JB): Brains and pain <i>I. Tracey</i>					
12.15 - 14.00	Lunch Break • Sponsored Symposium ► PLENARY HALL				Lunch Break • Sponsored Symposium ► PLENARY HALL	
14.00 - 15.30	TS Peripheral neuropathy <i>G. Cruccu, P. Marchettini, P. Zis</i>	TS Targeting nociception on the dorsal root ganglion <i>V. Mayoral Rojas, C. Goicoechea, M. Herrero Trujillano</i>	TS Advanced interventional cancer pain management <i>B. Hernández-Porras, F. Piedimonte, R. Plancarte</i>		TS PART 1 Biologic and regenerative treatment of spine and MSK pain <i>A. Calodney, P. Hernigou, M. Murphy, R. Rosenthal</i>	LIVE DEMO Ultrasound for diagnosis and therapy in pain medicine <i>E. Amorizzo, F. Micheli, F. Occhigrossi, S. Tamburin</i>
15.30 - 16.00	Coffee break in the foyers				Coffee break in the foyers	
16.00 - 17.30	TS Fibromyalgia: an outstanding issue <i>R. Casale, M. De Tommaso, P.C. Sarzi Puttini</i>	TS Ultrasound for peripheral nerve stimulation <i>G. Colini Baldeschi, A. Gulati, F. Micheli</i>	TS Targeted drug delivery <i>S. Eldabe, S. Hayek, N. Mekhail</i>		TS PART 2 Biologic and regenerative treatment of spine and MSK pain <i>A. Calodney, P. Hernigou, M. Murphy, R. Rosenthal</i>	

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PROGRAM AT A GLANCE

DAY 4 • SATURDAY 29 AUGUST, 2020

	PLENARY HALL	HALL 2
08.30 - 10.00	TS New frontiers in pain management <i>N. Mekhail, T. Tölle, A. Vadalouka</i>	LIVE DEMO Regenerative medicine including BMAC harvest and preparation <i>A. Calodney</i>
10.00 - 10.30	Coffee break in the foyers	
10.30 - 12.00	Plenary Population-based chronic pain data <i>N. De Meij, J.W. Kallewaard, S. Van Kuijk</i>	TS Pain origin: generators of peripheral and central neuropathic pain <i>M. Devor, S. Haroutounian, E. T. Walter</i>
12.10 - 13.30	Closing ceremony and awards <i>G. Varrassi</i>	

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08.00 • REGISTRATION OPENS

EDUCATION IN PAIN MEDICINE • Public education and training in pain management and palliative care

Moderator: *S. Coaccioli - Italy*

Hall 2

- 09.00 - 09.10 North American model
M. Stojanovic - USA
- 09.10 - 09.20 South American model
J. C. Flores - Argentina
- 09.20 - 09.40 North European model
J. Van Zundert - Belgium
- 09.40 - 09.50 Italian model
C. Aurilio - Italy
- 09.50 - 10.00 Far East model
S. C. Lee - Korea
- 10.10 - 10.20 Australian model
S. A. Schug - Australia
- 10.20 - 10.30 Discussion

TOPICAL SESSION • Crisis in pain medicine: data collection, opioid and polypharmacy

Moderator: *F. Coluzzi - Italy*

Hall 3

- 09.00 - 09.20 How accurate is our data collection?
J. Peppin - USA
- 09.20 - 09.40 Overview of the opioid crisis
J. Pergolizzi - USA
- 09.40 - 10.00 Polypharmacy
R. Raffa - USA
- 10.00 - 10.30 Discussion

10.30 - 11.00 • COFFEE BREAK IN THE FOYERS

PLENARY SESSION 1 • Role of cannabinoids in chronic pain management

Moderator: *F. Puntillo - Italy*

Plenary Hall

- 11.00 - 11.20 Clinical perspective of food "Hemp" for pain therapy
C. Buonerba - Italy
- 11.20 - 11.40 The endocannabinoid signaling in chronic pain
L. Luongo - Italy
- 11.40 - 12.00 Phytocannabinoids in chronic patients
V. Guardamagna - Italy
- 12.00 - 12.30 Discussion

SUPPORTED SESSION 1 • The science of painful degenerative disc

Moderator: *F. Micheli - Italy*

Hall 3

- 11.00 - 11.20 The science of painful DDD
P. De Negri - Italy
- 11.20 - 11.40 Evidence based treatment of DDD
D. Beall - USA
- 11.40 - 12.00 Evidence based treatment of vertebroprogenic pain
A. Calodney - USA
- 12.00 - 12.30 Discussion

12.30 - 15.00 • LUNCH BREAK • SPONSORED SYMPOSIUM (PLENARY HALL)

TOPICAL SESSION • Postoperative pain in special patients

Moderator: *E. Moka - Greece*

Plenary Hall

- 15.30 - 15.50 Postoperative pain management in elderly
N. Rawal - Sweden
- 15.50 - 16.10 Postoperative pain management in children
P. A. Lonnqvist - Sweden
- 16.10 - 16.30 Postoperative pain management in opioid dependent patients
A. Bhaskar - UK
- 16.30 - 17.00 Discussion

TOPICAL SESSION • COVID-19 and pain

Moderator: *C. Aurilio - Italy • C. Pace - Italy*

Hall 2

- 15.30 - 18.30 Increase of chronic pain after COVID-19 pandemic
C. Aurilio - Italy
- Best evidences in the approach to pain patients during COVID-19
P. Sansone - Italy
- NSAIDs in COVID-19 patients: myths and evidences
V. Pota - Italy
- Rehabilitation in chronic pain patients after COVID-19
G. Iolascon - Italy
- Discussion

TOPICAL SESSION • Stem cells and regenerative medicine: reconciling basic science, translational application and clinical outcomes

Moderator: *S. Tamburin, Italy*

Hall 3

- 15.30 - 15.50 The spectrum of regenerative pain therapies: does evidence support current practices?
T. Buchheit - USA
- 15.50 - 16.10 Control of chronic pain and neuroinflammation by bone marrow stem/stromal cells
R.R. Ji - USA
- 16.10 - 16.30 Bench-to-bedside translation of stem cell therapy in pain management: are we there yet?
J. Cheng - USA
- 16.30 - 17.00 Discussion

TOPICAL SESSION • Polypharmacy and novel analgesics

Moderator: *L. Luongo - Italy*

Hall 3

- 17.00 - 17.20 Non- μ opioid analgesics
J. Peppin - USA
- 17.20 - 17.40 Anti-Nerve Growth Factor
R. Rauck - USA
- 17.40 - 18.00 Medical Cannabis
C. Gharibo - USA
- 18.00 - 18.30 Discussion

EMERGING CONCEPTS 1 • Chronic pain, molecular and cellular mechanisms

Moderator: *R. Casale - Italy*

Plenary Hall

- | | |
|---------------|---|
| 17.00 - 17.20 | N-acylethanolamines modulate pain transmission and the associated maladaptive neuroplasticity
<i>S. Maione - Italy</i> |
| 17.20 - 17.40 | Role of ketone receptor HCAR2 in neuropathic pain: from the bench to the bedside
<i>F. Ricciardi - Italy</i> |
| 17.40 - 18.00 | Discussion |

OPENING CEREMONY AND SPECIAL LECTURE JAMES HEAVNER LECTURE (JH)

Moderator: *G. Varrassi - Italy*

Plenary Hall

- | | |
|---------------|---|
| 18.00 - 19.30 | Genetics of chronic pain
<i>L. Diatchenko - Canada</i> |
|---------------|---|

19.30 • WELCOME RECEPTION IN THE FOYERS

PLENARY SESSION 2 • Ethic in pain management

Moderator: *S. Coaccioli - Italy*

Plenary Hall

- | | |
|---------------|---|
| 08.00 - 08.20 | Ethics in Medicine
<i>L. Boella - Italy</i> |
| 08.20 - 08.40 | Ethics in interventional pain management
<i>S. Erdine - Turkey</i> |
| 08.40 - 09.00 | Biomedical ethics and the opioid crisis
<i>M. Erdek - USA</i> |
| 09.00 - 09.30 | Discussion |

TOPICAL SESSION • Update in cancer pain syndromes

Moderator: *R. Plancarte Sanchez - Mexico*

Hall 3

- | | |
|---------------|---|
| 08.00 - 08.20 | Treating the complex cancer pain patient, with a focus on spinal tumor related pain
<i>B. C. Hernandez Porras - Mexico</i> |
| 08.20 - 08.40 | Research in evolving cancer pain syndromes
<i>K. Vissers - The Netherlands</i> |
| 08.40 - 09.00 | Interventional treatment algorithms in treating cancer pain
<i>A. Bhaskar - UK</i> |
| 09.00 - 09.30 | Discussion |

TOPICAL SESSION • Spinal cord stimulation for neuropathic pain

Moderator: *J. De Andrés Ares -Spain*

Hall 4

- 08.00 - 08.20 Mechanisms and mode of action: Basic science
B. Joosten - The Netherlands
- 08.20 - 08.40 Optimizing Spinal Cord Stimulation Outcomes and Newest Techniques
J. Gill - USA
- 08.40 - 09.00 Evidence and practice in spinal cord stimulation for neuropathic pain
S. Eldabe - UK
- 09.00 - 09.30 Discussion

09.30 - 10.00 • COFFEE BREAK IN THE FOYERS

TOPICAL SESSION • Transition from acute to chronic postsurgical pain

Moderator: *A. Vadalouka - Greece*

Plenary Hall

- 10.00 - 10.20 Epidemiology of chronic postoperative pain
E. Moka - Greece
- 10.20 - 10.40 Preventive strategies for chronic postoperative pain
N. Rawal - Sweden
- 10.40 - 11.00 Pharmacological prevention of chronic postoperative pain
A. Montero Matamala - Spain
- 11.00 - 11.30 Discussion

SPECIAL LECTURE • GABOR RACZ LECTURE (GR)

Moderator: *G. Varrassi - Italy*

Plenary Hall

- 11.30 - 12.15 Personalized Pain Medicine
R. Baron - Germany

12.15 - 14.00 • LUNCH BREAK • SPONSORED SYMPOSIUM (HALL 2)

TOPICAL SESSION • Effective pain relief with opioid therapy: at what price?

Moderator: *G. Varrassi - Italy*

Plenary Hall

- 14.00 - 14.20 Effective opioid therapy: an overview of its potential adverse events
S. A. Schug - Australia
- 14.20 - 14.40 Opioid dependency and addiction: risk factors and prevention
A. Bhaskar - UK
- 14.40 - 15.00 Opioid-induced bowel dysfunction: pathophysiology, prevention and treatment
C. Scarpignato - Italy
- 15.00 - 15.30 Discussion

TOPICAL SESSION • Trigeminal neuralgia and facial pain

Moderator: *S. Tamburin, Italy*

Hall 2

- 14.00 - 14.20 Trigeminal neuralgia and facial pain: pathophysiology and clinic
G. Cruccu - Italy
- 14.20 - 14.40 Percutaneous interventions for trigeminal neuralgia
S. Erdine - Turkey
- 14.40 - 15.00 Discussion

TOPICAL SESSION • Neuromodulation in the last decade: implications for clinical practice and indications

Moderator: *I. Asik - Turkey*

Hall 3

- 14.00 - 17.30 Understanding the mechanism of action
R. Vallejo - USA
- Effects of neuromodulation on neuroinflammation
P. Staats - USA
- Fifty years applying stimulation to the spine: do we even know what is underneath? An anatomy and histological analysis
C. Tornero - Spain
- New advances in neuromodulation
L. Kapural - USA
- Scientific evidence vs Real Life experience: how to make clinical decisions
D. Provenzano - USA
- Discussion

TOPICAL SESSION • Updates in neuroplasty

Moderator: *S. Helm - USA*

Hall 4

- 14.00 - 14.30 Evolving concepts in neuroplasty
G. B. Racz - USA
- 14.30 - 15.00 Evidence development in neuroplasty
L. Gerdesmeyer - Germany
- 15.00 - 15.30 Discussion

LIVE DEMO • Endoscopic lumbar facet and SIJ treatments

Hall Tintoretto 2

- 14.00 - 14.20 Endoscopic treatment of facet and sacroiliac joint pain syndromes
S. Meloncelli - Italy
- 14.20 - 14.40 Facet joint pain: diagnosis and conventional treatment
G. Germani - Italy
- 14.40 - 15.00 Sacroiliac joint pain: diagnosis, conventional and fixation techniques
M. Divizia - Italy
- 15.00 - 15.30 Discussion

15.30 - 16.00 • COFFEE BREAK IN THE FOYERS

TOPICAL SESSION • New concept for stratifying osteoarthritis patients and their future implications

Moderator: *G. Varrassi - Italy*

Plenary Hall

- 16.00 - 16.20 Nerve damage in the joint - the impact on new treatment strategies
R. Baron - Germany
- 16.20 - 16.40 Preclinical models of degenerative joint diseases
A. Dickenson - UK
- 16.40 - 17.00 The role of neuroinflammation in degenerative joint diseases
P. Sarzi Puttini - Italy
- 17.00 - 17.30 Discussion

EDUCATION • Technical aspects of interventions

Moderator: *F. Micheli - Italia*

Hall 2

- 16.00 - 16.20 Lumbar Medial branch Denervation - Is there a best way to perform the procedure?
J. De Andres Ares - Spain
- 16.20 - 16.40 Epidural injections - best practices and development of a new lexicon for needle tip reporting
J. Gill - USA
- 16.40 - 17.00 Interpretation of fluoroscopic images and contrast spread patterns
M. Stojanovic - USA
- 17.00 - 17.30 Discussion

TOPICAL SESSION • What is effective and what is not? Assessing outcome of interventions for pain

Moderator: *E. Moka - Greece*

Hall 4

- 16.00-16.20 Evaluating outcomes of interventions for cancer-related pain
A Bhaskar - UK
- 16.20-16.40 Evaluating outcomes of neuromodulation trials and implants
A. Bhatia - Canada
- 16.40-17.00 Evaluating outcomes of spinal interventions (epidurals and nerve blocks)
S. Cohen - USA

LIVE DEMO • Endoscopic lumbar facet and SIJ treatments

Hall Tintoretto 2

- 16.00 - 16.20 Endoscopic treatment of facet and sacroiliac joint pain syndromes
S. Meloncelli - Italy
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G. Germani - Italy
- 16.40 - 17.00 Sacroiliac joint pain: diagnosis, conventional and fixation techniques
M. Divizia - Italy
- 17.00 - 17.30 Discussion

TOPICAL SESSION • Recent advances in stem cells research and therapy

Moderator: *V. Mayoral Rojals - Spain*

Plenary Hall

- 08.00 - 08.20 Advances in stem cell research and therapy for opioid-induced hyperalgesia
J. Cheng - USA
- 08.20 - 08.40 Updates on stem cell research and therapy for chronic musculoskeletal pain
R. Ruiz Lopez - Spain
- 08.40 - 09.00 Advances in stem cell research and treatment for neuropathic pain
A. Calodney - USA
- 09.00 - 09.30 Discussion

TOPICAL SESSION • Novel algorithms for visceral pain

Moderator: *R. Arcioni - Italy*

Hall 3

- 08.00 - 08.20 Neuromodulation therapy for chronic abdominal pain
L. Kapural - USA
- 08.20 - 08.40 Algorithms for an advanced treatment of chronic abdominal pain
M. Puylaert - Belgium
- 08.40 - 09.00 Discussion

EDUCATION IN PAIN MEDICINE • Evidence based guidelines interventional pain medicine, according to clinical diagnoses

Moderator: *L. Demartini - Italy*

Hall 4

- | | |
|---------------|---|
| 08.00 - 08.20 | European guidelines on low-back pain: interventional pain management
<i>J. Van Zundert - Belgium</i> |
| 08.20 - 08.40 | A methodology to assess the literature allowing to formulate recommendations for the correct selection of interventional pain management techniques
<i>M. Stojanovic - USA</i> |
| 08.40 - 09.00 | New delivery methods of neurostimulation and research into new indications
<i>M. Van Kleef - The Netherlands</i> |
| 09.00 - 09.30 | Discussion |

LIVE DEMO • Ultrasound for diagnosis and therapy in Pain Medicine

Hall Tintoretto 2

- | | |
|---------------|--|
| 08.00 - 08.20 | Ultrasound and lumbar and sacral spine
<i>F. Micheli - Italy</i> |
| 08.20 - 08.40 | Ultrasound and cervical spine
<i>E. Amorizzo - Italy</i> |
| 08.40 - 09.00 | Ultrasound and shoulder, hip and knee joints
<i>F. Occhigrossi - Italy</i> |
| 09.00 - 09.20 | Ultrasound and peripheral nerves anatomy and pathology
<i>S. Tamburin - Italy</i> |
| 09.20 - 09.30 | Discussion |

MEET THE EXPERT • Registries for Neuropathic Pain: are they crucial for patients and the planning of healthcare services

Hall 2

- | | |
|---------------|------------------------------|
| 09.00 - 09.30 | <i>A. Vadalouka - Greece</i> |
|---------------|------------------------------|

09.30 - 10.00 • COFFEE BREAK IN THE FOYERS

PLENARY SESSION 3 • Interventional pain: innovations and future

Moderator: *A Stogicza - Hungary*

Plenary Hall

- | | |
|---------------|--|
| 10.00 - 10.20 | Radiofrequency Treatment for Pain: Current State and Future Trends
<i>J. Rathmell - USA</i> |
| 10.20 - 10.40 | Interventional pain as a specialty: present and future
<i>R. Ruiz Lopez - Spain</i> |
| 10.40 - 11.00 | Closed loop spinal cord stimulation principles and practice
<i>S. Eldabe - UK</i> |
| 11.00 - 11.30 | Discussion |

SPECIAL SESSION 1 • Pro - con session. There is no need for catheters in peripheral techniques for postoperative analgesia

Moderator: *E. Moka - Greece*

Hall 2

- | | |
|---------------|----------------------------------|
| 10.00 - 10.30 | Pro
<i>A. Delbos - France</i> |
| 10.30 - 11.00 | Con
<i>N. Rawal - Sweden</i> |
| 11.00 - 11.30 | Discussion |

SPECIAL LECTURE • JOHN BONICA LECTURE (JB)

Moderator: *S. Palmisani - UK*

Plenary Hall

- | | |
|---------------|--|
| 11.30 - 12.15 | Brains and Pain
<i>I. Tracey - UK</i> |
|---------------|--|

12.15 - 14.00 • LUNCH BREAK • SPONSORED SYMPOSIUM (PLENARY HALL)

TOPICAL SESSION • Peripheral neuropathy

Moderator: *G. Colini Baldeschi, Italy*
Plenary Hall

- 14.00 - 14.20 Mechanisms of peripheral neuropathic pain
G. Cruccu - Italy
- 14.20 - 14.40 Microneurography: the gold standard for diagnostic of small fiber neuropathy?
P. Marchettini - Italy
- 14.40 - 15.00 Painful peripheral neuropathies/Gluten neuropathy
P. Zis - Cyprus
- 15.00 - 15.30 Discussion

TOPICAL SESSION • Targeting nociception on the dorsal root ganglion

Moderator: *A. Papa - Italy*
Hall 2

- 14.00 - 14.20 How can we identify the dorsal root ganglion
V. Mayoral Rojas - Spain
- 14.20 - 14.40 The DRG: a unique and differential pharmacological target
C. Goicoechea - Spain
- 14.40 - 15.00 The DRG: a distinctive target for radiofrequency and neurostimulation techniques
M. Herrero Trujillano - Spain
- 15.00 - 15.30 Discussion

TOPICAL SESSION • Advanced interventional cancer pain management

Moderator: *A. K. Bhaskar - UK*
Hall 3

- 14.00 - 14.20 CT, Ultrasound and hybrid procedures for cancer pain control
B. C. Hernandez Porras - Mexico
- 14.20 - 14.40 Bone cancer pain treatment: vertebroplasty, xyphoplasty and osteoplasties
R. Plancarte - Mexico
- 14.40 - 15.00 Implantable devices for cancer pain
F. Piedimonte - Argentina
- 15.00 - 15.30 Discussion

LIVE DEMO • Ultrasound for diagnosis and therapy in Pain Medicine
Hall Tintoretto 2

- 14.00 - 14.20 Ultrasound and lumbar and sacral spine
F. Micheli - Italy
- 14.20 - 14.40 Ultrasound and cervical spine
E. Amorizzo - Italy
- 14.40 - 15.00 Ultrasound and shoulder, hip and knee joints
F. Occhigrossi - Italy
- 15.00 - 15.20 Ultrasound and peripheral nerves anatomy and pathology
S. Tamburin, Italy
- 15.20 - 15.30 Discussion

TOPICAL SESSION • Biologic and regenerative treatment of spine and MSK pain

Moderator: *R. Ruiz Lopez - Spain*
Hall 4

- 14.00 - 17.30 Regenerative spine intervention in clinical practice
A. Calodney - USA
- How do we heal? The role of stem cells
R. Rosenthal - USA
- Can Bone Marrow Aspirate Concentrate delay or prevent Total Joint Arthroplasty, even in the very elderly?
P. Hernigou - France
- Is there a dose response for stem cells and PRP? Why it is important to fully characterize biologic treatments
M. Murphy - USA

15.30 - 16.00 • COFFEE BREAK IN THE FOYERS

TOPICAL SESSION • Fibromyalgia: an outstanding issue

Moderator: *S. Coaccioli - Italy*
Plenary Hall

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|---------------|--|
| 16.00 - 16.20 | Pathophysiology of FM between nociplastic and neuropathic pain
<i>M. de Tommaso - Italy</i> |
| 16.20 - 16.40 | Fatigue in fibromyalgia
<i>R. Casale, Italy</i> |
| 16.40 - 17.00 | Therapeutic options for FM
<i>P.C. Sarzi Puttini - Italy</i> |
| 17.00 - 17.30 | Discussion |

TOPICAL SESSION • Ultrasound for peripheral nerve stimulation

Moderator: *A. Delbos - France*
Hall 2

- | | |
|---------------|---|
| 16.00 - 16.20 | Emerging uses of ultrasound and PNS: cancer, perioperative and low back pain
<i>A. Gulati - USA</i> |
| 16.20 - 16.40 | Ultrasound for placement of percutaneous PNS Systems: technical considerations and avoiding complications
<i>G. Colini Baldeschi - Italy</i> |
| 16.40 - 17.00 | The evolution of ultrasound, neurosonology, and PNS: using technology to precisely target peripheral nerves
<i>F. Micheli - Italy</i> |
| 17.00 - 17.30 | Discussion |

TOPICAL SESSION • Targeted drug delivery

Moderator: *V. Guardamagna - Italy*
Hall 3

- | | |
|---------------|---|
| 16.00 - 16.20 | The Choice of TDD vs SCS: a predictive formula for better outcomes
<i>N. Mekhail - USA</i> |
| 16.20 - 16.40 | Tailoring TDD infusion modalities to meet your patient's needs
<i>S. Hayek - USA</i> |
| 16.40 - 17.00 | Cost effectiveness of IT therapy for non-cancer pain
<i>S. Eldabe - UK</i> |
| 17.00 - 17.30 | Discussion |

PLENARY SESSION • New frontiers in pain management

Moderator: *G. Varrassi - Italy*
Plenary Hall

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|---------------|--|
| 08.30 - 08.50 | Neuropathic pain registries: How important are for a better management of patients
<i>A. Vadalouka - Greece</i> |
| 08.50 - 09.10 | eHealth and mHealth in the treatment of pain: a new era for our patients!
<i>T. Tölle - Germany</i> |
| 09.10 - 09.30 | The Interactive Neurostimulation: New SCS technology that improves outcomes
<i>N. Mekhail - USA</i> |
| 09.30 - 10.00 | Discussion |

LIVE DEMO • Regenerative medicine including BMAC harvest and preparation

Moderator: *L. Pasquariello - Italy*
Hall 2

- | | |
|---------------|--------------------------|
| 08.30 - 10.30 | <i>A. Calodney - USA</i> |
|---------------|--------------------------|

10.00 - 10.30 • COFFEE BREAK IN THE FOYERS

CONGRESS FACULTY

TOPICAL SESSION • Pain origin: Generators of peripheral and central neuropathic pain

Moderator: *N. Rawal - Sweden*

Hall 2

- 10.30 - 10.50 **Peripheral nervous system drivers of neuropathic pain**
M. Devor - Israel
- 10.50 - 11.10 **The clinical relevance of primary afferent input in peripheral and central neuropathic pain conditions**
S. Haroutounian - USA
- 11.10 - 11.30 **Physiological and evolutionary insights into why primary nociceptors promote central as well as peripheral neuropathic pain**
E. T. Walters - USA
- 11.30 - 12.00 **Discussion**

TOPICAL SESSION • Population-based chronic pain data

Moderator: *S. Meloncelli - Italy*

Plenary Hall

- 10.30 - 10.50 **Fifteen years insight on social demographics, pain characteristics, psychometric values and quality of life values of patients suffering from chronic pain referred to a Dutch multidisciplinary pain center: the Dutch DATAPAIN study**
N. De Meij - The Netherlands
- 10.50 - 11.10 **Using population-based data for clinical research: challenges and opportunities**
S. Van Kuijk - The Netherlands
- 11.10 - 11.30 **An impression of the implementation of the Dutch National Pain Quality Register system**
J. K. Kallewaard - The Netherlands
- 11.30 - 12.00 **Discussion**

12.10 - 13.30 ▶ **PLENARY HALL**
CLOSING CEREMONY AND AWARDS
G. Varrassi

Ezio Amorizzo ▶ Italy
Roberto Arcioni ▶ Italy
Ibrahim Asik ▶ Turkey
Caterina Aurilio ▶ Italy
Ralf Baron ▶ Germany
Douglas Beall ▶ USA
Arun Bhaskar ▶ United Kingdom
Anuj Bhatia ▶ Canada
Laura Boella ▶ Italy
Thomas E. Buchheit ▶ USA
Carlo Buonerba ▶ Italy
Aaron Calodney ▶ USA
Roberto Casale ▶ Italy
Jianguo Cheng ▶ USA
Stefano Coaccioli ▶ Italy
Steven Cohen ▶ USA
Gianni Colini Baldeschi ▶ Italy
Flaminia Coluzzi ▶ Italy
Giorgio Cruccu ▶ Italy
Javier De Andrés Ares ▶ Spain
Laura Demartini ▶ Italy
Nelleke De Meij ▶ The Netherlands
Pasquale De Negri ▶ Italy
Marina De Tommaso ▶ Italy
Alain Delbos ▶ France
Marshall Devor ▶ Israel
Luda Diatchenko ▶ Canada
Anthony Dickenson ▶ United Kingdom
Marco Divizia ▶ Italy
Sam Eldabe ▶ United Kingdom
Michael A. Erdek ▶ USA
Serdar Erdine ▶ Turkey
Juan Carlos Flores ▶ Argentina
Ludger Gerdesmeyer ▶ Germany
Giorgio Germani ▶ Italy
Christopher Gharibo ▶ USA
Jatinder Gill ▶ USA
Carlos Goicoechea ▶ Spain
Vittorio Guardamagna ▶ Italy
Amitabh Gulati ▶ USA
Simon Haroutounian ▶ USA
Salim Hayek ▶ USA
Standiford Helm ▶ USA
Berenice Carolina Hernandez Porras ▶ Mexico
Philippe Hernigou ▶ France
Manuel Herrero Trujillano ▶ Spain
Giovanni Iolascon ▶ Italy
Ru-Rong Ji ▶ USA
Bert Joosten ▶ The Netherlands
Jan-Willem Kallewaard ▶ The Netherlands
Leonardo Kapural ▶ USA
Sang Chul Lee ▶ Korea

Per-Arne Lonnqvist ▶ Sweden
Livio Luongo ▶ Italy
Sabatino Maione ▶ Italy
Paolo Marchettini ▶ Italy
Victor Mayoral Rojals ▶ Spain
Nagy Mekhail ▶ USA
Stefano Meloncelli ▶ Italy
Fabrizio Micheli ▶ Italy
Eleni Moka ▶ Greece
Antonio Montero Matamala ▶ Spain
Matthew Murphy ▶ USA
Felice Occhigrossi ▶ Italy
Caterina Pace ▶ Italy
Stefano Palmisani ▶ United Kingdom
Alfonso Papa ▶ Italy
Lorenzo Pasquariello ▶ Italy
John Francis Peppin ▶ USA
Joseph V. Pergolizzi ▶ USA
Fabián César Piedimonte ▶ Argentina
Ricardo Plancarte Sanchez ▶ Mexico
Vincenzo Pota ▶ Italy
David Anthony Provenzano ▶ USA
Filomena Puntillo ▶ Italy
Martine Puylaert ▶ Belgium
Gabor B. Racz ▶ USA
Robert Raffa ▶ USA
James Rathmell ▶ USA
Richard L. Rauck ▶ USA
Narinder Rawal ▶ Sweden
Flavia Ricciardi ▶ Italy
Richard Rosenthal ▶ USA
Ricardo Ruiz Lopez ▶ Spain
Pasquale Sansone ▶ Italy
Pier Carlo Sarzi Puttini ▶ Italy
Carmelo Scarpignato ▶ Italy
Alexander Stephan Schug ▶ Australia
Peter S. Staats ▶ USA
Agnes Stogicza ▶ Hungary
Milan Stojanovic ▶ USA
Stefano Tamburin ▶ Italy
Thomas Tölle ▶ Germany
Juan Carlos Tornero Tornero ▶ Spain
Irene Tracey ▶ United Kingdom
Athina Vadalouka ▶ Greece
Ricardo Vallejo ▶ USA
Maarten Van Kleef ▶ The Netherlands
Sander Van Kuijk ▶ The Netherlands
Jan Van Zundert ▶ Belgium
Giustino Varrassi ▶ Italy
Kris C. P. Vissers ▶ The Netherlands
Edgar Terry Walters ▶ USA
Panagiotis Zis ▶ Cyprus

GENERAL INFORMATION

VENUE

MARRIOTT PARK HOTEL ROME

Via Colonnello Tommaso Masala, 54 - 00148 Rome
Tel: +39 06 65 88 21

CONGRESS & EXHIBITION HOURS

26 August 2020	09.00 - 20.30
27 August 2020	08.00 - 17.30
28 August 2020	08.00 - 17.30
29 August 2020	08.00 - 13.30

OFFICIAL LANGUAGE

The official language of this congress is English.

SOCIAL DISTANCING RULES (MASK - SPACES) IMPORTANT INFORMATION

It is mandatory for all participants to wear a mask in all the public areas of the venue and maintain social distancing, at least 1 metre from other attendees.

MOBILE PHONES

All mobile phones must be muted or switched off during all sessions.

CONGRESS BADGES

All Congress participants are kindly requested to wear their name badges at all times, in order to access the scientific sessions and exhibition areas. Participants should collect their badges on arrival at the self service registration totem, by using the bar code indicated in the confirmation email sent by the congress organizers.

IMPORTANT NOTE: Please, remember to pass your badge on the badge reader when entering and exiting the congress; the European credits will be granted according to your attendance.

CLOAKROOM

A cloakroom is available for the use of the Congress participants and it is located in the exhibition area.

OPENING CEREMONY

The opening ceremony will be held on the 26th of August 2020 at 8:00 p.m.

REFRESHMENTS

The Welcome Cocktail and coffee breaks are served to the registered participants as indicated in the Scientific Program.

CLIMATE

The climate in Rome in August can reach up to 31°C/88°F but the temperature drops to 19°C/66°F at night. There is little chance of rainfall and it is one of the driest months of the year.

CURRENCY

The Euro is the official currency in Italy.

EUROPEAN ACCREDITATION COUNCIL FOR CONTINUING MEDICAL EDUCATION (UESM/EACCME)

After the event the congress participants will receive the certificate by email after completing the educational evaluation form required for the credit request procedure.

CERTIFICATE OF ATTENDANCE

All participants may collect their Certificate of Attendance at the self-service registration totem, by using the bar code indicate in the badge. Certificate may be collected on the 29th of August, 2020

SAFETY & SECURITY

Please do not leave any items/personal belongings unattended at all times during the congress.

LIABILITY & INSURANCE

The Congress Secretariat and Organizers cannot accept liability for personal injury or damage involving persons and propriety during the congress. Participants are advised to take out their own personal travel and health insurance.

WIP 2020 CONGRESS PROVIDER

M O R E & M O R E

Via Giorgio Washington, 1 - Milano
Tel. 0039 02 - 36 59 70 62
e-mail eventi@moremore.it
www.moremore.it

WORLD INSTITUTE OF PAIN



301 North Main Street
Suite 2604
Winston-Salem, NC 27101 - USA
www.worldinstituteofpain.org

ACCREDITATION STATEMENT & CREDITS DESIGNATION

EUROPEAN ACCREDITATION COUNCIL FOR CONTINUING MEDICAL EDUCATION (UESM/EACCME)

The 10th World Congress of the World Institute of Pain (WIP 2020), Rome 26/08/2020-29/08/2020, has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME) with 19 European credits (ECMEC®s), as follows:

Wednesday August 26, 2020	4
Thursday August 27, 2020	6
Friday August 28, 2020	6
Saturday August 29, 2020	3

The 10th World Congress of the World Institute of Pain (WIP 2020), Rome 26/08/2020-29/08/2020, has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with 19 European credits (ECMEC®s). Each participant should claim only those hours of credit that they actually spent in the educational activity. The EACCME® is an institution of the European Union of Medical Specialists (UEMS), www.uems.eu.

AMERICAN MEDICAL ASSOCIATION (AMA)

Through an agreement between the European Union of Medical Specialists and the American Medical Association, physicians may convert EACCME® credits to an equivalent number of AMA PRA Category 1 Credits™. Information on the process to convert EACCME® credits to AMA credits can be found at www.ama-assn.org/education/earn-credit-participation-international-activities

ROYAL COLLEGE OF PHYSICIANS AND SURGEONS OF CANADA

Live educational activities occurring outside of Canada, recognised by the UEMS-EACCME® for ECMEC® credits are deemed to be Accredited Group Learning Activities (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada. For more information visit: www.royalcollege.ca

EACCME® credits certificate

During the Live Event the Provider will send an email to the participants with the link to the Congress web page containing the evaluation form to be filled in. For Virtual Participants the evaluation form can be found in the CERTIFICATE AREA, a section where the evaluation form can be filled in online. For both versions Live or Virtual, failing to complete the form, participants will not be able to claim the credits. EACCME® credits certificate will be sent by e-mail.

LIVE DEMONSTRATION IN ULTRASOUND WORKSHOPS

27th AUGUST 2020 (14.00 - 15.30) • (16.00 - 17.30)

Hall Tintoretto 2

ENDOSCOPIC LUMBAR FACET AND SIJ TREATMENTS

Endoscopic treatment of facet and sacroiliac joint pain syndromes • [S. Meloncelli](#) ▶ Italy

Facet joint pain: Diagnosis and conventional treatment • [G. Germani](#) ▶ Italy

Sacroiliac joint pain: Diagnosis, conventional and fixation techniques • [M. Divizia](#) ▶ Italy

28th AUGUST 2020 (08.00 - 09.30) • (14.00 - 15.30)

Hall Tintoretto 2

ULTRASOUND FOR DIAGNOSIS AND THERAPY IN PAIN MEDICINE

Ultrasound and cervical spine • [E. Amorizzo](#) ▶ Italy

Ultrasound and lumbar and sacral spine • [F. Micheli](#) ▶ Italy

Ultrasound and shoulder, hip and knee joints • [F. Occhigrossi](#) ▶ Italy

Ultrasound and peripheral nerves anatomy and pathology • [S. Tamburin](#) ▶ Italy

To attend the Workshop sessions participants are requested to register at the Secretariat Desk.

Given limited numbers of attendance imposed by the social distancing, registrations will be accepted in order of arrival.

SPEAKERS GUIDELINES

ORAL PRESENTATION

All presenters must deliver their presentations at the Bernini 2 Speaker Ready Room at least 3 hours before the scheduled presentation time. If presentations have been scheduled early in the morning, please deliver them the day before.

All presentations must be prepared in PowerPoint (file extension .pptx).

They will be displayed from a PC with Windows 10 and PowerPoint 2016 on a 16:9 format screen.

GUIDELINES FOR ORAL PRESENTATION

In order to ensure an optimal visualisation, please follow these guidelines while working on your presentation:

- Your presentation should be 16:9 formatted.
- Page set up: landscape orientation (portrait orientation will not be displayed correctly).
- Use standard Windows fonts only. Try to avoid use of non-standard Windows fonts or language specific fonts.
- Images: Do not copy and paste the images from another application, please use the "insert image from a file" functionality from PowerPoint (format JPG or PNG).
- Video: we strongly suggest WMV or MP4 as video formats. To avoid any issue with movies and loops, presentations should be saved as a .pptx files.

Apple Keynote users: Please export your presentation and select pptx format in the advanced option dialog. Check your presentation on a Windows-operated computer (preferably Win 10).

On site help:

If you have technical questions regarding your presentation, you can meet the technician in the Speaker Ready Room to either make sure that your presentation will run properly on the system or to anticipate a backup solution.

Restrictions:

Personal laptop computers cannot be connected to the projectors. Presentations cannot be loaded directly onto the computer in the lecture rooms. Presentations must be uploaded via our service at the Speaker Service Centre

ORAL ABSTRACT PRESENTATION SESSIONS

The Oral Presentation Sessions will take place in the virtual congress.

E-POSTER DISCUSSIONS

All participants are invited to visit the E-Poster stations located in the Exhibition Area, it will be possible to listen to brief presentations and ask questions.

E-poster discussions will be held on:

Thursday August 27, 2020	H. 09.00 - 10.00	H. 16.00 - 17.00
Friday August 28, 2020	H. 09.00 - 10.00	H. 16.00 - 17.00
Saturday August 29, 2020	H. 09.30 - 10.30	

Presenters should be at the E-Poster area 10 minutes before the beginning of the E-Poster Discussion Session and they should stay there until the sessions have finished.

M O R E & M O R E

More & More is a CME Provider according to the accreditation system of Continuing Medical Education (ID n. 1488)

The Company has been recognized by the Italian Ministry of Health as a **qualified and active subject in the field of the Continuing Medical Education**, therefore More&More is authorised to organise CME training courses and to provide CME credits directly to participants; moreover, it is accredited to provide Residential Training (RES), Distance Learning (FAD) and Field Training (FSC)

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WIP 2020 ROME

10TH WORLD CONGRESS OF THE
WORLD INSTITUTE OF PAIN (WIP)

26-29 AUGUST, 2020
ROME MARRIOTT PARK HOTEL - ROME

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10TH WORLD CONGRESS OF THE
WORLD INSTITUTE OF PAIN (WIP)
26-29 AUGUST, 2020
ROME MARRIOTT PARK HOTEL - ROME



Thursday, August 27th 12:30 / 13:00
Product Theater Area

Menarini lecture

Postoperative pain management: current challenges and restrictions

Speaker
Prof. Paolo Grossi



ACKNOWLEDGEMENTS

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INDUSTRY SUPPORTED SYMPOSIA

Wednesday, 26th August - Plenary Hall • 12.30 - 14.00

THE SYMPOSIUM WILL BE HELD IN ITALIAN
IL SIMPOSIO SARA' TENUTO IN LINGUA ITALIANA

INDUSTRY SYMPOSIUM SUPPORTED BY



OPTIMIZATION OF OPIOID THERAPY: INNOVATION IN OIC TREATMENT L'OTTIMIZZAZIONE DELLA TERAPIA CON OPPIACEI: LA NOVITÀ NEL TRATTAMENTO DELL'OIC

SESSION 1 • Moderator: G. Varrassi

- 12.30 - 12.45** *OIC: clinical overview and new perspectives for treatment*
OIC: inquadramento clinico e nuove prospettive di cure
[C. Scarpignato](#)
- 12.45 - 13.00** *What is new in the management of patients in chronic opioid therapy and OIC*
Quali novità nella gestione dei pazienti in terapia cronica con oppiacei e OIC
[F. Coluzzi](#)
- 13.00 - 13.15** *OIC in the drug addict patient*
L'OIC nel paziente tossicodipendente
[F. Lugoboni](#)
- 13.15 - 13.30** *Questions & Answers • Domande e Risposte*
[F. Coluzzi](#), [F. Lugoboni](#), [C. Scarpignato](#)

SESSION 2 • Round table - Exchange of experts' opinions
Tavola rotonda - Esperti al confronto
Moderator: Annalisa Manduca, journalist, scientific communicator

- 13.30 - 13.40** *Management of the patient with opiate addiction*
La gestione del paziente con dipendenza da oppiacei
[E. Cozzolino](#), [C. Loenardi](#), [L. Somaini](#)
- 13.40 - 13.50** *Management of the patient with cancer pain*
La gestione del paziente con dolore oncologico
[G. Casale](#), [F. Fusco](#), [G. Lanzetta](#)
- 13.50 - 14.00** *Management of the elderly patient with comorbidity*
La gestione del paziente anziano con comorbidità
[L. Cortese](#), [G. Gussoni](#), [M. Mammucari](#), [L. Molfetta](#)

Thursday, 27th August - HALL 2 • 12.15 - 14.00

INDUSTRY SYMPOSIUM SUPPORTED BY



BETTER MANAGEMENT OF OPIOID-INDUCED CONSTIPATION, BETTER OUTCOMES FOR PATIENTS WITH PAIN? CHALLENGING THE EXPERTS

- 12.15 - 12.20** *Welcome and Introduction*
[Giustino Varrassi](#) • MD, PhD, FIPP
- 12.20 - 12.30** *Understanding the Patient's Perspective*
[Asbjørn M. Drewes](#) • MD, PhD, EDPM
- 12.30 - 12.45** *What Can We Do Better in the Diagnosis and Initial Treatment of OIC?*
[Asbjørn M. Drewes](#) • MD, PhD, EDPM
- 12.45 - 13.00** *What's the State of the Art in Terms of Management Strategies for OIC?*
[Bart Morlion](#) • MD, PhD, EDPM
- 13.00 - 13.15** *Managing OIC and Optimizing Pain Control in the Patient With Cancer: What Is Best Practice?*
[Anton Emmanuel](#) • MD, FRCP
- 13.15 - 13.35** *Improving Outcomes for Patients With Pain: What Can We Do Better to Manage OIC?*
Panel discussion and audience questions
- 13.35 - 13.45** *Summary and Conclusions*
[Giustino Varrassi](#), MD, PhD, FIPP and
[Asbjørn M. Drewes](#) • MD, PhD, EDPM
- 13.45** Adjourn

Thursday, 27th August - LIVE SESSION • 12.30 – 14.00

INDUSTRY VIRTUAL SYMPOSIUM SUPPORTED BY



12.30 – 13.30

**DTM™ SCS THERAPY, PROVEN ONLY ON INTELLISTM™
POWERED BY OVERDRIVE™**

- *DTM™ SCS: A scientific journey from research to recent clinical outcomes*
[Ricardo Vallejo](#)
M.D., PhD., Director of Research, National Spine and Pain Centers, Illinois, USA
- *DTM™ SCS: A European Perspective*
[Dr Ashish Gulve](#)
MD, Consultant in Pain Medicine & Anesthesia, James Cook University Hospital, Middlesbrough, UK
- *The Clinical Importance of Battery Technology: The Science Behind Overdrive™ Battery Technology*
[Erik Scott](#)
PhD, Engineering Director & Technical Fellow and Bakken Fellow, Medtronic Energy & Component Center (MECC), Minneapolis, USA

13.30 – 14.00

CANCER PAIN – KEYS FOR SUCCESSFUL REFERRAL

- *Dr Christophe Perruchoud*
MD, Specialist in Anesthesiology & Interventional Pain Management, Chief Pain Clinic, Hôpital de La Tour, Geneva, Switzerland

Friday, 28th August - Plenary Hall • 12.15 - 14.00

INDUSTRY SYMPOSIUM SUPPORTED BY



**REDUCING THE GAP BETWEEN BEST EVIDENCE
AND CLINICAL PRACTICE**

Chairman: [Giustino Varrassi](#)

- 12.15 – 12.30** *Introduction*
[Prof. Giustino Varrassi](#)
- 12.30 – 12.55** *Update on surgical procedures: benefits of early patient mobilization*
[Prof. Victor Mayoral](#)
- 12.55 – 13.20** *Multimodal analgesia as a anaesthesiologists' direction: patient outcomes*
[Prof. Antonio Montero](#)
- 13.20 – 13.45** *A Multimodal combination for the effective control of Acute Pain*
[Prof. Magdi Hanna](#)
- 13.45 – 14.00** *Discussion and final remarks*

PRODUCT THEATRE

27th August 12.30 - 13.00

Exhibition Area

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POSTOPERATIVE PAIN MANAGEMENT: CURRENT CHALLENGES AND RESTRICTIONS

Prof. Paolo Grossi, *Anesthesiologist*

Anestesia Rianimazione Terapia del Dolore Presidio Pini
ASST Centro Specialistico Ortopedico Traumatologico G. Pini/CTO
Milano ▶ Italy

OPTIMIZATION OF OPIOID THERAPY: INNOVATION IN OIC TREATMENT

L'OTTIMIZZAZIONE DELLA TERAPIA CON OPPIACEI: LA NOVITÀ NEL TRATTAMENTO DELL'OIC

Roma, 26 agosto 2020
Rome Marriott Park Hotel
Plenary Hall

Satellite Symposium of the X World Congress of the World Institute of Pain (WIP), in live streaming on the virtual congress website

Simposio satellite del X World Congress of the World Institute of Pain (WIP) fruibile in streaming nella piattaforma virtuale del congresso

Responsabile scientifico: Prof. Giustino Varrassi

Con la sponsorizzazione non condizionante di



WIP 2020 ROME

10TH WORLD CONGRESS OF THE
WORLD INSTITUTE OF PAIN (WIP)

26-29 AUGUST, 2020
ROME MARRIOTT PARK HOTEL - ROME

COMPANY PROFILES



COMPANY NAME: Bioness

Address: Stationsweg 41; 3331LR Zwijndrecht - The Netherlands

Email: stimrouter@nl.bioness.com

Website: www.stimrouter.com

Bioness is developer of the StimRouter Neuromodulation System, a peripheral nerve stimulator indicated for pain management in adults who have severe intractable chronic pain of peripheral nerve origin, as an adjunct to other modes of therapy (e.g., medications). StimRouter is a minimally-invasive neuromodulation device consisting of a thin, implanted lead, external pulse transmitter (EPT), and hand-held wireless patient programmer. Electrical signals are transmitted transdermally from the EPT through the electrode, down the lead to the target nerve. StimRouter targets peripheral nerve pain at its source and has been implanted at 30+ nerve locations. Learn more at www.StimRouter.com.



COMPANY NAME: Boston Scientific

Address: 25155 Rye Canyon Loop Valencia, CA 91355 - USA

Website: www.bostonscientific.com/pain

Boston Scientific is dedicated to providing physicians with a variety of solutions to manage patients suffering from chronic pain. Our growing portfolio of pain management product offerings include leading technologies in spinal cord stimulation, minimally invasive indirect decompression and radiofrequency ablation.



COMPANY NAME: Equip Medikey BV

Address: Edisonstraat 16J

Email: info@equip.nl

Website: www.equip.nl

Equip Medikey, the key to medical innovation

At our booth you will find the following revolutionary Pain Management products:

- TOP TLG-10 RF generator with STP and TC PRF, the new Pulsed Radio Frequency modes for Pain Management
- TOP NeuroPole SC-K, curved SCC and echogenic SCU, 2-in-1 RF Thermocouple needles
- TOP NeuroPole XE-PRF needles, developed for PRF
- EPI-C, no cross-contamination with this Epiduroscope
- 7STARSCOPE, unique ultrasound system and endoscopic 18G cannula
- C-Table, smart and simple treatment table


COMPANY NAME: Grünenthal GmbH

Address: 52099 Aachen - Germany

Email: info@grunenthal.com

Website: www.grunenthal.com

Grünenthal is a global leader in pain management and related diseases. As a science-based, privately-owned pharmaceutical company, we have a long track record of bringing innovative treatments and state-of-the-art technologies to patients worldwide. Our purpose is to change lives for the better - and innovation is our passion.

We are focussing all of our activities and efforts on working towards our vision of a world free of pain.

Grünenthal is headquartered in Aachen, Germany, and has affiliates in 29 countries across Europe, Latin America and the US.

Our products are available in more than 100 countries. In 2019, Grünenthal employed around 4,700 people and achieved sales of € 1.4 bn.


COMPANY NAME: IBSA Institut Biochimique SA

Address: Via del Piano, 29 6915 Pambio Noranco - Switzerland

Email: ma@ibsa.ch

Website: www.ibsagroup.com

IBSA Institut Biochimique SA is a pharmaceutical company headquartered in Lugano, Switzerland. The company has developed a series of proprietary technologies allowing a qualitative upgrading of already available and widely-used molecules and therapeutic solutions. With a focus on a high quality manufacturing, IBSA remains fine-tuned on the clinical needs and fully committed to improve compliance, safety and efficacy of its proprietary medicines. IBSA's portfolio includes a full range of presentations in the fields of osteoarthritis and pain/inflammation management (Condrosulf®, Sinovial®, Flector®, Akis®/Dicloin®), dermatology (Betesil®, ialuset®), endocrinology (Tirosint®, Tiche®), human reproduction (Fostimon®, Merional®/Merional HG®, Choriomon®, Prolutex®), respiratory (Yabro®) and urology/uro-gynecology (ialuril®, Sildenafil orodispersible film).



Caring Innovation

COMPANY NAME: Inomed Medizintechnik GmbH

Address: inomed Medizintechnik GmbH • Im Hausgrün 29
79312 Emmendingen - Germany

Email: info@inomed.com

Website: www.inomed.com

Inomed develops and manufactures medical devices for a range of intraoperative applications. The company's core competence is intraoperative neuromonitoring where inomed is a world leader with a wide range of systems and services. Other important fields include pain treatment and functional neurosurgery. The company established its pioneering credentials as early as 1991, when it successfully introduced the first nerve monitoring system. Today, inomed German quality products monitor the safety of patients and support doctors in over 4,000 hospitals in 90 countries over the course of approximately 500,000 operations annually.



COMPANY NAME: MedscapeLIVE!

Address: Medscape, LLC, 395 Hudson Street, 3rd Floor
New York, NY 10014 - USA



Website: <https://www.medscape.org/sites/townhall/public/oic-management>

MedscapeLIVE! is the live events division of Medscape. Medscape is the leading online global destination for physicians and healthcare professionals worldwide, offering the latest medical news and expert perspectives; essential point-of-care drug and disease information; and relevant professional education and CME.

COMPANY NAME: Medtronic

Address: Medtronic International SARL, route de Molliau 31
1131 Tolochenaz, Vaud - Switzerland



Email: pablo.rueda@medtronic.com

Website: www.medtronic.eu

Making healthcare better is our priority, and we believe medical technology can play an even greater role in improving people's lives. With challenges facing families and healthcare systems - such as rising costs, aging populations, and the burden of chronic disease - we are using the power of technology to take healthcare Further, Together. Innovation and collaboration are central to who we are. Since the late 1940s, we have been working with others to alleviate pain, restore health, and extend life. Today, we are a medical technology leader, employing more than 84,000 people worldwide, and offering therapies and solutions that enable greater efficiency, access, and value - for healthcare systems, providers, and the people they serve.

COMPANY NAME: Menarini Group

Address: Via Sette Santi, 1 • 50131 Florence - Italy

Email: dcovello@menarini.it

Website: www.menarini.com



Menarini Group is an Italian pharmaceutical company, 12th in Europe out of 5,255 companies, and 36th company in the world out of 20,862 companies, with a turnover of more than 3,6 billion Euro and more than 17.000 employees.

Menarini Group has always pursued two strategic objectives: Research and Internationalisation and it is present in the most important therapeutic areas including products for cardiology, gastroenterology, pneumology/antibiotics, diabetology, anti-inflammatory agents/analgesics & Pain area. Menarini received the EMA approval for a New pain-killer that is the FDC between DEXKETOPROFEN-TRAMADOL (SKUDEXA®), indicated for symptomatic short term treatment of moderate to severe acute pain.

COMPANY NAME: Metrum Cryoflex

Address: Warsaw - Poland

Email: michal.stepniak@metrum.com.pl; export@metrum.com.pl

Website: www.metrum.com.pl



METRUM CRYOFLEX is a well-established European manufacturer of medical devices. First products launched on the market in 1992 were cryosurgical devices - Cryo-S series. Since that time we have been significantly expanding our product portfolio.

For over 25 years we have been the world leader in the treatment of chronic pain by means of minimally-invasive cryoneurolysis and non-invasive cryostimulation. Currently, over 1000 of our devices are used on a daily basis worldwide.

Cryo-S Painless with 18-21G cryoprobes (stimulation and freezing), used in the treatment of peripheral pain (cryoneurolysis), offers very high efficiency of pain reduction and a very fast return to normal activity.

COMPANY NAME: Molteni Farmaceutici

Address: S.S. 67 Località Granatieri,
50018 Scandicci (FI) - Italy

Email: info@moltenifarma.it

Website: www.moltenifarma.it/en

Molteni Farmaceutici was founded in 1892, the year the first Italian official Pharmacopeia was published.

Molteni Farmaceutici S.p.A is a specialty leader in the opioid drug market, a responsible company that has always been committed to researching and developing solutions for the treatment of pain and addiction, to safeguard patients' quality of life and care. Another important therapeutic area of Molteni Farmaceutici is the anesthetics area, where the company committed significant resources to achieve high quality production process.

Molteni Farmaceutici, with its products distributed in more than 50 countries, has a production site in Scandicci, in the province of Florence, 2 corporate offices in Italy (Florence and Milan), and a sister company in Poland (Krakow).

Molteni Therapeutics, spin-off of Molteni Farmaceutici, is a company established by a research team dedicated to the development of innovative medical devices based on Photodynamic Therapy (PDT). Originally employed for the treatment of cancer, these last years this therapy has also been employed in the treatment of non-malignant diseases: from ophthalmic and cardiovascular diseases to infectious diseases.

Thanks to a multi-year survey in the field of PDT, the research team developed a technique to treat successfully ulcers and injuries, while paying attention to the patient's unmet medical needs.



COMPANY NAME: NeuroNews

Address: 526 Fulham Road, Fulham, London SW6 5NR

Email: shilpa@bibamedical.com

Website: https://neuronewsinternational.com

NeuroNews is an international newspaper for those looking to keep up with the fast-moving fields of neuromodulation and neurovascular medicine. From the expanding indications of deep brain stimulation to non-invasive techniques, our specialised team of writers reports on breaking news and conference coverage; showcasing original content. Please visit us here: https://neuronewsinternational.com/

COMPANY NAME: Nevro

Address: 1800 Bridge Parkway, Redwood City, CA 94065 - USA

Website: www.nevro.com

Nevro is a global medical device company focused on providing innovative therapies that improve the quality of life of patients suffering from chronic pain.

Nevro's Senza® spinal cord stimulation system is an evidence-based neuromodulation platform developed for treating chronic pain and the only SCS system that delivers Nevro's proprietary HF10TM therapy.


COMPANY NAME: Pajunk

Address: Karl-Hall Str. 1, 78187 Geisingen - Germany

Email: info@pajunk.com

Website: www.pajunk.com

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For 55 years, PAJUNK® has stood for innovative medical technology - made in Germany.

The Pajunk Group is an internationally operating and owner-managed company with its headquarters in Geisingen, Baden-Württemberg (Germany) and sales offices in Geisingen for Central Europe, Newcastle for UK and Atlanta for the US market. Pajunk is a leading medical technology manufacturer in the areas of regional anesthesia, neurology, pain management, minimally invasive surgery, and biopsy.

For pain management Pajunk offers high quality products for ultrasound and fluoroscopy guided pain management procedures, including a range of specialty injection needles, SonoMSK and Tuohy Needles, and RF products.



COMPANY NAME: PFIZER-LILLY

Address: 235 E. 42nd St., New York, NY 10017 - USA

Website: www.paindrivers.com

Pfizer and Lilly are driven to improve the lives of the millions of people who are suffering from chronic pain caused by conditions such as osteoarthritis (OA), which can have life-altering physical, social, psychological and economic impacts. We are leveraging our deep clinical expertise to deliver scientific innovation that revolutionizes the management of chronic pain and makes a meaningful difference for people around the world.



COMPANY NAME: Saluda Medical

Address: Ground Floor, 407 Pacific Highway,
Artarmon NSW 2064 - Australia

Email: marketing@saludamedical.com

Website: www.saludamedical.com

Saluda Medical is leading the development and commercialization of data-driven, personalized therapies for patients with chronic pain. The Evoke® Closed-Loop Spinal Cord Stimulation System is the only SCS technology capable of measuring and recording each patient's unique response to stimulation and makes real-time adjustments that deliver superior long-term pain relief.



COMPANY NAME: Shionogi

Address: Italian Operational headquarters

Piazza Cavour, 19 • 00193 Roma - Italy

Email: contact@shionogi.eu

Website: www.shionogi.com

From our beginnings nearly 140 years ago in Osaka, Japan, SHIONOGI & Co. Ltd. has built a strong heritage in research-based medicine, matched by world-class market access and patient insight capabilities. SHIONOGI Europe was launched in 2012 and is committed to applying our patient-first approach in everything we do across the region. Our research-led organisation is defined by a distinct openness and close partnership approach to discovering and developing medicines addressing unmet medical needs. Our development approach goes hand in hand with the collaborative drug discovery process that lies at the heart of SHIONOGI and our people.



COMPANY NAME: Spectra Medical Devices

Address: 260- H Fordham Road, Wilmington, MA 01887 - USA

Email: sales@spectramedical.com

Website: www.spectramedical.com

Spectra Medical Devices is a custom needle manufacturer and kit component supplier. We specialize in:
RF needles - all sizes available and we have a CE
PNB Single shot - all sizes available and we can add our proprietary echogenic features
PNB Continuous - all sizes available and we can add our proprietary echogenic features
Tuohy needles - all sizes available and we have CE
Spinal needles - all sizes available and we have CE
WE ARE LOOKING FOR DISTRIBUTORS - APPLY ONLINE OR AT OUR BOOTH!



COMPANY NAME: Stimwave Technologies**Address:** International: +1(786) 565-3342**Email:** marketing@stimwavefreedom.com**Website:** www.stimwavefreedom.com

Stimwave Technologies is a neuromodulation company, FDA-cleared and CA approved for PNS & SCS. The Freedom Stimulator is among the smallest, revolutionary, micro-invasive, IPG-free devices to help patients reduce their chronic neuropathic pain by pinpointing stimulation directly to the affected nerves with a multi-electrode, programmable device which enables ongoing MRI scans. The externally worn Wearable Antenna Assembly, known as the patient transmitter and antenna, provides individual programming options to keep your patient in control of their pain relief.

COMPANY NAME: Stryker**Address:** 8 rue de Vidailhan 31130 Balma**Email:** chloe.duplay@stryker.com**Website:** www.strykerivs.com

Stryker is working hard to make healthcare better by investing in efficient tools, educational materials and training events that are an investment in you, our customer. We provide the most advanced medical technology for interventional spine procedures. As we share this patient-centered focus, you can trust Stryker's product portfolio for vertebral augmentation, vertebroplasty, radiofrequency ablation, disc diagnostics and decompression treatments for disc herniations. From the office to the operating room and every stop in between, we're here to serve you with a portfolio built on innovation and a legacy of customer support.

COMPANY NAME: TILRAY**Address:** Friedrichstrasse 153A, 10117 Berlin - Germany**Email:** Contact person for medical enquiries: José Tempero, jose.tempero@tilray.com

Contact person for media enquiries: Frank Farnel, frank.farnel@tilray.com

**Website:** www.tilray.eu.com

Tilray is a global leader in medicinal cannabis research, cultivation, processing and distribution. We aspire to lead, legitimise and define the future of our industry by building the world's most trusted medicinal cannabis company.

As proud pioneer, we are the first GMP-certified medicinal cannabis producer to supply cannabis flower and extract products to tens of thousands of patients, physicians, pharmacies, hospitals, governments and researchers in fifteen countries on five continents.

We are committed to scientific research that leads to an improved quality of life for patients. We partner with leading hospitals and universities to advance the clinical applications of cannabinoids.

COMPANY NAME: John Wiley & Sons**Address:** 111 River St, Hoboken, NJ 07030 - USA**Email:** lerhart@wiley.com fregini@wiley.com**Website:** https://onlinelibrary.wiley.com • www.wiley.com/en-gb

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A new therapy based on science and proven only on **Intellis™ with Overdrive™** battery technology



DTM™ SCS at WIP 2020
Join our virtual symposium on August 27th 12.30pm

¹ Back pain relief at 3-months compared to conventional stimulation. Fishman M, Cordner H, Justiz R, et al. Randomized Controlled Clinical Trial to Study the Effects of DTM-SCS in Treating Intractable Chronic Low Back Pain: 3 Month Results. Presentation at NANS 2020, Las Vegas, Nevada. Study done with the Intellis™ device.

For detailed information regarding the instructions for use, indications, contraindications, warnings, precautions, and potential adverse events, please consult the device manual.

Medtronic
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DANTE STUDY

A RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED, PARALLEL ARM GROUP STUDY TO EVALUATE THE ANALGESIC EFFICACY AND SAFETY OF DEXKETOPROFEN TROMETAMOL AND TRAMADOL HYDROCHLORIDE ORAL FIXED DOSE COMBINATION ON MODERATE TO SEVERE ACUTE PAIN IN PATIENTS WITH ACUTE LOW BACK PAIN - DANTE STUDY. EudraCT code 2019-003656-371



DANTE
Piazza Santa Croce - Firenze



1. <https://www.clinicaltrialsregister.eu/ctr-search/search?query=2019-003656-37>

MC-1305-13-2020

Date of preparation: June 2020

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**11th World Congress of the
World Institute of Pain**

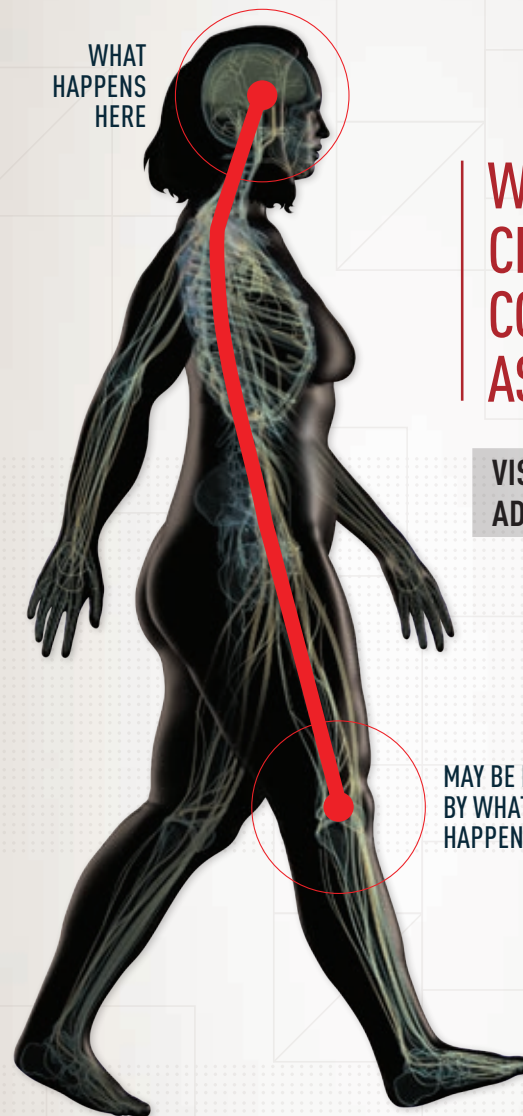
19-22 May, 2021
Rome



World Institute
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www.wip-rome2021.org

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**WHAT DRIVES
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CONDITIONS SUCH
AS OSTEOARTHRITIS?**

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