

World Congress on

# **PAIN RESEARCH & MANAGEMENT**

November 17 - 18, 2021 | Virtual Conference



**Coalesce Research Group**

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# Scientific Program

## World Congress on Pain Research & Management

Wednesday  
November 17, 2021

Day 1 - November 17, 2021

09:30 - 09:40 Introduction

### Oral Presentations

09:40 - 10:05 **Interventional Regenerative Medicine for Pain Control and Quality of Life Improvement as An Alternative Therapy**  
**Hassan Mubark**, Rheumatologist in Auckland, New Zealand

10:05 - 10:30 **An investigation of the Impact of Gender on Nursing Fatigue in Jordan: A primary Qualitative Study**  
**Mahmoud Al Masaeed**, University of Newcastle, Australia

### Keynote Forum

10:30 - 11:00 **Mysteries behind Spinal Pain!**  
**Raman Kalyan**, Royal National Orthopaedic Hospital, UK

### Oral Presentations

11:00 - 11:25 **Team Working and Interprofessional Practice in Headache Management**  
**Antonio Ciardo**, Grupo Thuban – European University of Atlantic, Spain

11:25 - 11:50 **BBG and fibromyalgia syndrome: biochemical evaluation of inflammation and pain**  
**Ramona D'Amico**, University of Messina, Italy

11:50 - 12:15 **Cardiovascular Depth Of Analgesia And Newborn Infant Parasympathetic Evaluation Indexes For Acute Pain Assessment In Neonates**  
**Kim An Nguyen**, Department of pharmacotoxicology Lyon, France

12:15 - 12:40 **Pain Relief is a Human Right**  
**Michel Daher**, University of Balamand, Lebanon

12:40 - 13:05 **Approach to patient with Chronic Pain in Primary Care**  
**Maram Alshareef**, Umm Alqura University Medical College, Saudi Arabia

Lunch Break (13:05 - 13:30)

### Oral Presentations

13:30 - 13:55 **Pain In Patients With Rheumatoid Arthritis And Disability Caused At Work**  
**Evis Skuqi**, University Hospital Center Mother Teresa in Tirana, Albania

13:55 - 14:20 **Neonatal pain in the end of life**  
**Rita Rufo Cardarelli**, Pereira Rossell Hospital in Montevideo, Uruguay

14:20 - 14:45 **Physiological sensors and machine learning models for heat pain estimation**  
**Sagar Kamarthi**, Northeastern University of Boston, USA

14:45 - 15:10 **The role of Ketamine in postoperative pain management in gynecological surgeries**  
**Anwar ul Huda**, Security Forces Hospital of Riyadh, Saudi Arabia

### Poster Presentations

15:10 - 15:25 **Monitoring the effects of balneary treatments from Techirghiol area on pain and functioning of patients with degenerative low back pain**  
**Iliescu Madalina Gabriela**, Ovidius University Constanta of Romania, Romania

15:25 - 15:40 **Hospital electronic discharge summaries – optimising the transition of care**  
**Shruti Lakra**, George Eliot Hospital, UK

15:40 - 15:55 **Treatment of glossalgia in a patient after prosthetics: A clinical case**  
**Natalia Emelyanova**, L.T.Malaya Therapy National Institute of the National Academy of Medical Sciences of Ukraine, Ukraine

End of Day 1

# Scientific Program

## World Congress on Pain Research & Management

Thursday  
November 18, 2021

Day 2 - November 18, 2021

### Oral Presentations

- 09:30 - 09:55 Pain is a call for help. It must be answered  
**Andrew Hague**, President of CellSonic limited of Uk, UK
- 09:55 - 10:20 Burden of COVID-19 on Italian Internal Medicine Wards: Delphi, SWOT, and Performance Analysis after Two Pandemic waves  
**Francesco Rosiello**, Sapienza-University of Rome, Italy
- 10:20 - 10:45 Current treatments and future therapeutic approaches to pain control: The role of neuroinflammation  
**Roberta Fusco**, University of Messina, Italy
- 10:45 - 11:10 The interdisciplinary approach to chronic pain: from pain clinic to pain center  
**Gabriel M. Gurman**, Ben-Gurion University of the Negev, Israel
- 11:10 - 11:35 The cGMP-dependent Ca-efflux from the muscles as a quantum-sensitive target for pain therapy  
**Sinerik Ayrapetyan**, UNESCO Chair in Life Sciences Yerevan, Armenia
- 11:35 - 12:00 Cryoneurolysis of Sacroiliac joint Pain  
**Laxmi Pathak**, Universal College of Medical Sciences of Rupandehi, Nepal
- 12:00 - 12:25 Are we ready to include Vitamin C (Ascorbic acid) in multimodal analgesia? What are the current evidences?  
**Muhammad Yasir**, Security Forces Hospital in Saudi Arabia, Saudi Arabia
- 12:25 - 12:50 Pseudo-Sciatica  
**Mohamed Younis Makharita**, Mansoura University of Egypt, Egypt
- 12:50 - 13:15 Bioactive phytochemicals from *Psidium guajava* in COX-2 targeted inflammatory pain management: an in silico investigation  
**Shyamapada Mandal**, University of Gour Banga, India

Lunch Break (13:15-13:45)

### Oral Presentations

- 13:45 - 14:10 Why 40% to 80% of Chronic Pain Patients Are Misdiagnosed and How to Correct That  
**Nelson Hendler**, Johns Hopkins University School of Medicine, USA
- 14:10 - 14:35 Once a week Resistance Training improves muscular strenght in Breast Cancer Survivors  
**Vitor Alves Marques**, Federal University of Goias, Brazil

### Poster Presentations

- 14:35 - 14:50 SCS and interdisciplinary pain rehabilitation in chronic naive low back pain: a case report  
**Helena Jamnik**, University Rehabilitation Institute Republic of Slovenia, Slovenia
- 14:50 - 15:05 Reduction Of Pain In Patients Treated With Biological Drugs In Rheumatoid Arthritis  
**Valbona Duraj**, University Hospital Center Mother Teresa in Tirana, Albania

End of Day 2

***Day-1***  
***Oral Presentations***

*World Congress on*

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## TEAM WORKING AND INTERPROFESSIONAL PRACTICE IN HEADACHE MANAGEMENT

**Antonio Ciardo***Grupo Thuban – European University of Atlantic, Spain*

### Abstract

**Background and aims:** Primary headaches affect 79.6% of the European population (M:F ratio = 1:2). It is a disease that affects biopsychosocial factors with a biobehavioural disorder resulting from the interlocking between cortical hypersensitivity and the social learning process.

Primary headaches generate a challenging answer for the multidisciplinary treatment program (MTP), with disadvantages for the patient, such as the time consumed and the cost of private treatment. It takes time to generate adherence to treatments but as a consequence it can increase treatment efficacy and reductions in the painful frequency of symptoms among several outcomes. Possibly, the best approach is a combination of pharmacological and non-pharmacological treatments.

The aim is to critically evaluate the evidence for the effectiveness, benefits and weaknesses of inter/multi-disciplinary teams in the management of primary headaches.

**Methods:** A systematic review has been conducted, screening and reviewing more than 10 among databases and journals to answer the aim (AMED, ASSIA, Cochrane, EMBASE, LILACS, Cardiff LibrarySearch, Ovid Medline, ProQuest, PubMed Central, SCOPUS, TRIP, Web of Knowledge). The analysis has been done following the “CASP checklist” or using the “Framework for critiquing quantitative research (after Rees 1997)”. Harbour and Miller (2001) scale has been used to identify the hierarchy.

**Results:** The evidence analysed supports the efficacy, benefits of inter/multidisciplinary teams in a Headache Management Programme in improving patient outcomes, subsequently promoting more in-depth team working and interprofessional practice and discussion about the feasibility for continuation of the delivery of MTP.

**Conclusions:** The multifactorial condition of the pathology is a disadvantage when being addressed exclusively through a specific method. Being able to manage and use a multidisciplinary team favours the correct treatment approach that is now multidimensional, rather than only pharmacological, in order to be able to approach it from a holistic biopsychosocial viewpoint. The outcomes obtained from the satisfaction questionnaires encourages progress with the multidisciplinary approach given how they favour adherence, patient commitment in addition to recommendations for the development of the activity. One of the disadvantages common to research has been the lack of adherence to daily maintenance while the role of the psychologist has a determining influence on a MTP. Adverse effects are not typically demonstrated and where a worsening of symptoms has been noticed in a very small percentage.

### Biography

Antonio Ciardo, BSc (Hons) Ost Med, DO, PG Med, MBA works as Global Head of Studies and as professor of Osteopathy at GRUPO THUBAN – Universidad Europea del Atlántico (Spain). He has attended several international congresses and received important prizes for his aim to integrate osteopathy and manual/natural therapy with traditional medicine.