



11th European Headache Federation Congress

1-3 December 2017, Rome
Auditorium Parco della Musica

www.ehf2017.com



Timetable

Friday, 1 December 2017

	Sala Sinopoli	Teatro Studio
07.00 - 08.00	REGISTRATION	
08.00 - 09.00	INDUSTRY SPONSORED SESSION <i>Non CME Session</i>	EHF SCHOOL FOR ADVANCED STUDIES
09.00 - 10.00	HEADACHE IN EUROPE: EHF MEETS EFIC	SPECIAL CORNER
10.00 - 11.00	PLENARY LECTURE	INDUSTRY SPONSORED SESSION <i>Non CME Session</i>
11.00 - 11.30	COFFEE & e-POSTER DISCUSSION	COFFEE & e-POSTER DISCUSSION
11.30 - 12.30	BASIC VIEWS	NEUROMODULATION AND HEADACHES
12.30 - 13.30	PLENARY LECTURE	BASIC VIEWS
13.30 - 14.30	BREAK & e-POSTER DISCUSSION	BREAK & e-POSTER DISCUSSION
14.30 - 15.30	SPECIAL CORNER	INDUSTRY SPONSORED SESSION <i>Non CME Session</i>
15.30 - 16.30	REGULATORY SCIENCE IN EU: EHF MEETS EMA	
16.30 - 17.30	OPENING CEREMONY SISC LECTURE EHF LECTURE	
17:30 - 19:30	WELCOME COCKTAIL	

Timetable

Saturday, 2 December 2017

	Sala Sinopoli	Teatro Studio
08.00 - 09.00	INDUSTRY SPONSORED SESSION <i>Non CME Session</i>	EHF SCHOOL FOR ADVANCED STUDIES
09.00 - 10.00	HEADACHE IN EUROPE: EHF MEETS EFIM	PAEDIATRIC HEADACHE
10.00 - 11.00	PLENARY LECTURE	EPIDEMIOLOGY IN EUROPE
11.00 - 11.30	COFFEE & e-POSTER DISCUSSION	COFFEE & e-POSTER DISCUSSION
11.30 - 12.30	INDUSTRY SPONSORED SESSION <i>Non CME Session</i>	SPECIAL CORNER
12.30 - 13.30	PLENARY LECTURE	
13.30 - 14.30	BREAK & E-POSTER DISCUSSION	BREAK & e-POSTER DISCUSSION
14.30 - 15.30	PLENARY LECTURE	SPECIAL CORNER
15.30 - 16.30	CLINICAL WARNING	BASIC VIEWS

Timetable

Sunday, 3 December 2017

	Sala Sinopoli	Teatro Studio	Sala Ospiti
08.00 - 08.30	SPECIAL CORNER	EHF SCHOOL FOR ADVANCED STUDIES	
08.30 - 09.00	GREPPI AWARD LECTURE		
09.00 - 10.00	HEADACHE IN EUROPE: EHF MEETS ESC	BASIC VIEWS	
10.00 - 11.00	PLENARY LECTURE	SPECIAL CORNER	
11.00 - 11.30	COFFEE & e-POSTER DISCUSSION	COFFEE & e-POSTER DISCUSSION	
11.30 - 12.30	SEEKING FUTURE BIOMARKERS	ORAL PRESENTATIONS	ORAL PRESENTATIONS
12.30 - 13.30	PLENARY LECTURE		
13.30 - 14.00		CLOSING	

Friday, 1 December 2017

Sala Sinopoli

07:00 - 08:00 **REGISTRATION**

08:00 - 09:00 **INDUSTRY SPONSORED SESSION - Non CME Session**

09:00 - 10:00 **HEADACHE IN EUROPE: EHF MEETS EFIC**

Chairs: *C. Wells, P. Martelletti*

Referred headache pain after whiplash injury - *C. Wells*

Multidisciplinary approach to head pain - *R. Jensen*

Discussion

10:00 - 11:00 **PLENARY LECTURE**

Chair: *Z. Katsarava*

Headache in GBD2016 - *T. J. Steiner*

Rejoinder: *Z. Katsarava*

11:00 - 11:30 **COFFEE & e-POSTER DISCUSSION**

11:30 - 12:30 **BASIC VIEWS**

Chair: *M. Braschinsky*

Cerebellum and migraine - *H. Koppen*

Traumas and headache - *M. Braschinsky*

Discussion

12:30 - 13:30 **PLENARY LECTURE**

Chair: *A.F. Russo*

Photophobia and hypothalamus - *R. Burstein*

Rejoinder: *A.F. Russo*

13:30 - 14:30 **BREAK & e-POSTER DISCUSSION**

14:30 - 15:30 **SPECIAL CORNER**

Chair: *P. Martelletti*

What is new in the third edition of the international headache classification (ICHD-3) - *J. Olesen*

ICHD-3 and WHO's ICD-11: aligned at last, and (mostly) accordant - *T.J. Steiner*

EHF-LTB Aids to management of headache disorders in primary care, 2nd edition - *P. Martelletti*

15:30 - 16:30 **REGULATORY SCIENCE IN EU: EHF MEETS EMA**

Chairs: *E. Alteri, P. Martelletti*

EMA, healthcare professionals and academia - *I. Silva*

Innovation and clinical practice: the responsibilities of regulators and healthcare professionals

- *E. Alteri*

16:30 - 17:30 **OPENING CEREMONY**

Chairs: *P. Martelletti, D.D. Mitsikostas, F. Pierelli*

SISC LECTURE The journey from serotonin to CGRP and beyond: the Italian contribution to headache science - *P. Geppetti*

EHF LECTURE The big CGRP flood - sources, sinks and signalling sites in the trigeminovascular system - *K. Messlinger*

17:30 - 19:30 **WELCOME COCKTAIL**

08:00 - 09:00 EHF SCHOOL FOR ADVANCED STUDIES

Chairs: *D.D. Mitsikostas, U. Reuter*

Pregnancy and Headache

Discussants: *A. Negro, Z. Delaruelle, T.A. Ivanova, S. Khan, R. Ornello, B. Raffaelli, A. Terrin*

09:00 - 10:00 SPECIAL CORNER

Chair: *F. Pierelli*

Neurophysiology of headaches - *G. Coppola*

Laboratory testing in headache - *H.W. Schyetz*

Discussion

10:00 - 11:00 INDUSTRY SPONSORED SESSION - *Non CME Session*

11:00 - 11:30 COFFEE & e-POSTER DISCUSSION

11:30 - 12:30 NEUROMODULATION AND HEADACHES

Chair: *M. Leone*

The current approaches - *M. Lanteri-Minet*

Future perspectives - *M. Leone*

Discussion

12:30 - 13:30 BASIC VIEWS

Chair: *H. Bolay*

CSD evolution in 2017 - *H. Bolay*

CSD in primary and secondary headaches - *C. Ayata*

Discussion

13:30 - 14:30 BREAK & e-POSTER DISCUSSION

14:30 - 15:30 INDUSTRY SPONSORED SESSION - *Non CME Session*

Sala Sinopoli

08:00 - 09:00 **INDUSTRY SPONSORED SESSION - Non CME Session**

09:00 - 10:00 **HEADACHE IN EUROPE: EHF MEETS EFIM**

Chairs: *P. Martelletti, N. Montano*

Headache in Emergency Room - *A. Ducros*

ANS Function and Headache (in internal medicine wards) - *N. Montano*

Discussion

10:00 - 11:00 **PLENARY LECTURE**

Chair: *K. Messlinger*

CGRP translational model and headaches - *L. Edvinsson*

Rejoinder: *K. Messlinger*

11:00 - 11:30 **COFFEE & e-POSTER DISCUSSION**

11:30 - 12:30 **INDUSTRY SPONSORED SESSION - Non CME Session**

12:30 - 13:30 **PLENARY LECTURE**

Chair: *R. Burstein*

Hypothalamus regulation in headache - *A. May*

Rejoinder: *R. Burstein*

13:30 - 14:30 **BREAK & e-POSTER DISCUSSION**

14:30 - 15:30 **PLENARY LECTURE**

Chair: *K. Paemeleire*

Understanding the non-pain phases of migraine: premonitory and postdromal - *P.J. Goadsby*

Rejoinder: *K. Paemeleire*

15:30 - 16:30 **CLINICAL WARNING**

Chair: *D.D. Mitsikostas*

Headache Clinical Refractoriness - *C. Lampl*

Technical Investigations for Headache - *D.D. Mitsikostas*

Discussion

08:00 - 09:00 **EHF SCHOOL FOR ADVANCED STUDIES**

Chairs: *L. Edvinsson, A. Maassen van den Brink*

Blocking CGRP in migraine patients - a review of pros and cons

Discussants: *M. Deen, E. Correnti, K. Kamm, T. Keldermann, L. Papetti, E. Rubio-Beltrán, S. Vigneri*

09:00 - 10:00 **PAEDIATRIC HEADACHE**

Chair: *V. Guidetti*

Emergency headaches - *L. Titomanlio*

Comorbidity grounds - *V. Guidetti*

Trauma links - *I. Abu-Arafeh*

Discussion

10:00 - 11:00 **EPIDEMIOLOGY IN EUROPE**

Chair: *M. Linde*

The Eurolight Project 2017 - *C. Lampl*

The HUNT Studies - *M. Linde*

Discussion

11:00 - 11:30 **COFFEE & e-POSTER DISCUSSION**

11:30 - 13:30 **SPECIAL CORNER**

Chairs: *C. Wells, R. Treede*

The concept of Trigeminal Neuralgia - *G. Cruccu*

Clinical and MRI findings - *S. Maarbjerg*

Current consensus on classification - *Z. Katsarava*

Trigeminal Neuralgia and other facial pains - *R. Benoliel*

What should be done in the future - *T. Nurmikko*

Discussion

13:30 - 14:30 **BREAK & e-POSTER DISCUSSION**

14:30 - 15:30 **SPECIAL CORNER**

Chair: *A. May*

A guide to the glymphatic system - *M. Nedergaard*

Migraine and glymphatic system - *R. Burstein*

Discussion

15:30 - 16:30 **BASIC VIEWS**

Chairs: *G. Cruccu, T. Nurmikko*

Neuropathic pain: basic concepts - *R. Treede*

Neuropathic pain diagnostic tests - *A. Truini*

Discussion

Sala Sinopoli

08:00 - 08:30 **SPECIAL CORNER**

Chair: *P. Martelletti*

Publishing your research: a SpringerNature editor's perspective - *S. Cruickshank*

08:30 - 09:00 **GREPPI AWARD LECTURE**

Chairs: *P. Martelletti, F. Pierelli*

Fluctuations in Episodic and Chronic Migraine Status over the Course of One Year: Implications for Diagnosis, Treatment and Clinical Trial Design - *R.B. Lipton*

(Authors: *D. Serrano, R.B. Lipton, A.I. Scher, M.L. Reed, W.F. Stewart, A. Manack Adams, D.C. Buse*)

09:00 - 10:00 **HEADACHE IN EUROPE. EHF MEETS ESC**

Chairs: *G. Bartfai, P. Martelletti*

Progestin-only contraception and beneficial effects on migraine - *G. Merki-Feld*

Combined hormonal contraception and migraine, WHO and EHF/ESC criteria and balancing risks and benefit - *S. Sacco*

Discussion

10:00 - 11:00 **PLENARY LECTURE**

Chair: *F.M. Santorelli*

GWAS studies in migraine - *A.M. van den Maagdenberg*

Rejoinder: *F.M. Santorelli*

11:00 - 11:30 **COFFEE & e-POSTER DISCUSSION**

11:30 - 12:30 **SEEKING FUTURE BIOMARKERS**

Chair: *M. Ashina*

PACAP in migraine - *L. Vécsei*

PACAP in cluster headache - *L. Edvinsson*

Discussion

12:30 - 13:30 **PLENARY LECTURE**

Chair: *U. Reuter*

Emerging non CGRP drug targets - *M. Ashina*

Rejoinder: *U. Reuter*

13:30 - 14:00 **CLOSING**

Chairs: *P. Martelletti, D.D. Mitsikostas*

Prizes assignment

EHF Florence 2018 Congress

Teatro Studio

08:00 - 09:00 **EHF SCHOOL FOR ADVANCED STUDIES**

Chairs: *M. Ashina, C. Lampl*

Triptans and CGRP antagonism - impact on the cranial vasculature

Discussants: *S. Benemei, F. Cortese, A. Labastida-Ramírez, F. Marchese, L. Pellesi, M. Romoli, L. Vollesen*

09:00 - 10:00 **BASIC VIEWS**

Chair: *L. Edvinsson*

CGRP CNS models in headache - *U. Reuter*

CGRP PNS models in headache - *A. Maassen van den Brink*

Discussion

10:00 - 11:00 **SPECIAL CORNER**

Chair: *A. May*

Intracranial hyper-hypopressure and headache - *J. Hoffmann*

Somatosensorial discrimination thresholds in migraine - *H. Bolay*

Discussion

11:00 - 11:30 **COFFEE & e-POSTER DISCUSSION**

11:30 - 13:30 **ORAL PRESENTATIONS**

Sala Ospiti

11:30-13:30 **ORAL PRESENTATIONS**

LEGENDA

- **EFIC** European Pain Federation
- **EFIM** European Federation of Internal Medicine
- **EHF** European Headache Federation
- **EMA** European Medicines Agency
- **ESC** European Society of Contraception and Reproductive Health
- **SISC** Italian Society for the Study of Headaches

ORAL PRESENTATIONS / CHAIR: MARINA DE TOMMASO

11:30 - 13:30 **SALA OSPITI**

- 11:30 - 11:40 02** - GLP-1 Reduces Cerebrospinal Fluid Secretion And Intracranial Pressure: A Novel Treatment For Idiopathic Intracranial Hypertension? - *Alexandra Sinclair, Hannah Botfield, Maria Uldall, Connor Westgate, James Mitchell, Snorre Hagen, Ana M Gonzalez, David Hodson, Rigmor Jensen*
- 11:40 - 11:50 04** - Modelling cortical spreading depression by a computational algorithm of distributed neural excitability: correlation with clinical features in single migraine with aura patients - *Marina De Tommaso, Julia M Kroos, Eleonora Vecchio, Nicola Burdi, Sebastiano Stramaglia, Luca G Giorda*
- 11:50 - 12:00 07** - Improving the differential diagnosis between migraine with aura and transient ischemic attacks - *Elena Lebedeva, Natalia M Gurary, Denis V Gilev, Anne F Christensen, Jes Olesen*
- 12:00 - 12:10 08** - Rare primary headaches in Italian tertiary Headache centres: a nationwide retrospective epidemiologic survey (RegistRare study) - *Silvia Benemei, Chiara Lupi, Roberto De Icco, Luana Evangelista, Valentina Favoni, Antonio Granato, Edoardo Mampreso, Matteo Paolucci, Lanfranco Pellesi, Andrea Negro, Raffaele Ornello, Antonio Russo, Martina Ulivi, Sabina Cevoli, Simona Guerzoni*
- 12:10 - 12:20 010** - Differences between episodic and chronic migraine in white-matter tracts: a diffusion-tensor imaging study - *Simona Sacco, Claudia Marsecano, Alessandra Splendiani, Riccardo Cornia, Federico Bruno, Luana Evangelista, Francesca Pistoia*
- 12:20 - 12:30 011** - Headache following head injury: A population-based longitudinal cohort study (HUNT)- *Lena Hoem Nordhaug, Knut Hagen, Anne Vik, Lars J Stovner, Turid Follestad, Torunn Pedersen, Gøril B Gravdahl, Mattias Linde*
- 12:30 - 12:40 012** - Cerebral grey matter density is abnormally reduced in chronic migraine patients: correlations with clinical features - *Gianluca Coppola, Barbara Petolicchio, Antonio Di Renzo, Emanuele Tinelli, Cherubino Di Lorenzo, Vincenzo Parisi, Mariano Serrao, Valentina Calistri, Stefano Tardioli, Gaia Cartocci, Francesca Caramia, Vittorio Di Piero, Francesco Pierelli*
- 12:40 - 12:50 013** - The relationship between pain, psychiatric, and endocrine/neurological comorbidities of migraine: Results from the Chronic Migraine Epidemiology and Outcomes (CaMEO) study - *Richard Lipton, Vincent T Martin, Michael L Reed, Kristina M Fanning, Aubrey Manack Adams, Dawn C Buse*

- 12:50 - 13:00 **017** - A population based survey for headaches in Greece - *Dimos Mitsikostas, Chrisanthy Arvanity, Theodoros Constantinidis, Manolis Dermitzakis, Nikolaos Fakas, Jobst Rudolf, Michail Vikelis; on behalf of the Hellenic Headache Society*
- 13:00 - 13:10 **020** - Abnormal peripheral and central visual processing in migraine - *Filippo Brighina, Elisa Catalano, Viviana Firpo, Giuseppe Cosentino, Salvatore Cillino, Brigida Fierro*
- 13:10 - 13:20 **021** - Neurosteroids in primary headaches - *Andrea Negro, Angela Koverech, Claudia Cicione, Marta Maestri, Francesco Passariello, Elisabetta Sabbatini, Cristiano Maria De Marco, Luana Lionetto, Ferdinando Nicoletti, Maurizio Simmaco, Paolo Martelletti*
- 13:20 - 13:30 **024** - Association between subclinical hypothyroidism and migraine - *Innocenzo Rainero, Flora Govone, Francesca Garino, Costanza Vicentini, Alessandro Vacca, Annalisa Gai, Salvatore Gentile, Federico Ragazzoni, Lorenzo Pinessi, Maria Teresa Giordana, Paolo Limone, Elisa Rubino*

ORAL PRESENTATIONS / CHAIR: AYNUR OZGE

11:30 - 13:30 **TEATRO STUDIO**

- 11:30 - 11:40 023** - Activation of peripheral and central trigeminovascular neurons by seizure: implications to post-ictal headache - *Agustin Melo-Carrillo, Rami Burstein*
- 11:40 - 11:50 03** - Phase 3, randomised, double-blind, placebo-controlled study to evaluate the efficacy and safety of erenumab (AMG 334) in migraine prevention: Primary results of the STRIVE trial - *Uwe Reuter, Jo Bonner, Gregor Broessner, Yngve Hallstrom, Feng Zhang, Sandhya Sapra, Hernan Picard, Daniel D Mikol, Robert A Lenz*
- 11:50 - 12:00 05** - Interventional management in refractory headache disorders; Tertiary Center Based Experiences supported by application videos and a model for interactive practice of attenders - *Aynur Özge, Derya Uludüz, Ömer Karadas, Osman Özgür Yalın, Hayrunnisa Bolay*
- 12:00 - 12:10 06** - A phase 3 placebo-controlled study of galcanezumab in patients with chronic migraine: results from the 3-month double-blind treatment phase of the REGAIN study - *Jonna Ahl, Holland C Detke, Shufang Wang, Vladimir Skljarevski, Brian A Millen, Sheena K Aurora, Jyun Yan Yang*
- 12:10 - 12:20 09** - Non-invasive vagus nerve stimulation (nVNS) for the acute treatment of migraine: the randomised controlled PRESTO trial - *Cristina Tassorelli, Licia Grazzi, Marina de Tommaso, Giulia Pierangeli, Paolo Martelletti, Innocenzo Rainero, Pierangelo Geppetti, Anna Ambrosini, Paola Sarchielli, Eric Liebler, Piero Barbanti*
- 12:20 - 12:30 014** - Effects of calcitonin gene-related peptide and sildenafil on CNS metabolism: A pharmacological proton magnetic resonance spectroscopy study at 3.0 - *Samaira Younis, Anders Hougaard, Casper E Christensen, Mark Bitsch Vestergaard, Esben T Petersen, Olaf B Paulson, Henrik B W Larsson, Messoud Ashina*
- 12:30 - 12:40 015** - Effect of calcitonin gene-related peptide and sildenafil on intracranial dural arteries: A 3T MR - angiography study in healthy volunteers - *Casper Christensen, Faisal Mohammad Amin, Samaira Younis, Ulrich Lindberg, Patrick de Koning, Esben Thade Petersen, Olaf Barne Paulson, Henrik B W Larsson, Messoud Ashina*
- 12:40 - 12:50 016** - Volumetric differences between episodic and chronic migraine: a volumetric neuroimaging study - *Francesca Pistoia, Riccardo Cornia, Claudia Marsecano, Federico Bruno, Luana Evangelista, Alessandra Splendiani, Simona Sacco*
- 12:50 - 13:00 018** - Phase 3 Studies (EVOLVE-1 & EVOLVE-2) of Galcanezumab in Episodic Migraine: Results of 6-Month Treatment Phase - *Katherine J Selzler, Vladimir Skljarevski, Virginia L Stauffer, Qi Zhang, Holland C Detke, Brian A Millen, Jyun Yan Yang, Robert Conley, Sheena K Aurora*

- 13:00 - 13:10** **019** - Real-life use of onabotulinumtoxinA for the symptomatic treatment of chronic migraine: The Repose Study - *Fayyaz Ahmed, Charly Gaul, Paolo Martelletti, Juan Carlos Garcia-Monco, Aubrey Manack Adams*
- 13:10 - 13:20** **022** - Lasmiditan (200 mg and 100 mg) compared to placebo for acute treatment of migraine - *Melinda Rance, Bernice Kuca, Linda Wietecha, Paul H Berg, Sheena K Aurora*
- 13:20 - 13:30** **01** - Efficacy of erenumab in subjects with episodic migraine with prior preventive treatment failure(s) - *Koen Paemeleire, Gregor Broessner, Jan Brandes, Jan Klatt, Feng Zhang, Hernan Picard, Daniel D Mikol, Robert A Lenz*

e-POSTER DISCUSSION / DISCUSSANT: SILVIA BENEMEI

11:00 - 11:30 **SCREEN A**

- P16** N=1 statistical approaches to examine within-individual risk factor profiles of ICHD-3beta classified migraines versus non-migraine headaches - *Ty Ridenour, Francesc Peris, Gabriel Boucher, Alec Mian, Stephen Donoghue, Andrew Hershey*
- P17** N=1 statistical approaches to examine risk factor profiles of ICHD-3beta classified migraines within individuals - *Ty Ridenour, Francesc Peris, Gabriel Boucher, Alec Mian, Stephen Donoghue, Andrew Hershey*
- P22** A systematic literature review and meta-analysis of prevalence estimates in migraine - *Aikaterini Bilitou, Pamela Vo, Sandra Lopez-Leon, Sneha Kelkar, Claudia Cheung, Emily Gao, Keith A Betts, Zhou Zhou*
- P25** Healthcare resource utilization among migraine sufferers in the EU5 from the patient perspective - *Pamela Vo, Aikaterini Bilitou, Juanzhi Fang, Annik Laflamme, Shaloo Gupta*
- P26** Burden of migraine in the 5EU from the patient perspective: A cross-sectional analysis of National Health and Wellness Survey (NHWS) data - *Pamela Vo, Juanzhi Fang, Aikaterini Bilitou, Annik K Laflamme, Shaloo Gupta*
- P27** Understanding the impact of migraine on work productivity using self-reported migraine diary data using the Migraine Buddy application in Europe - *Nicolas Paris, Pamela Vo, Tomas Valena, Aikaterini Bilitou, Frederic de Reydet de Vulpillieres, Juanzhi Fang, Christel Naujoks, Francois Everhard, Francois Cadiou*
- P28** A descriptive analysis of the burden of migraine based on self-reported migraine diary data using the Migraine Buddy application in Europe - *Nicolas Paris, Pamela Vo, Tomas Valena, Aikaterini Bilitou, Frederic de Reydet de Vulpillieres, Juanzhi Fang, Christel Naujoks, Francois Everhard, Francois Cadiou*

11:00 - 11:30 **SCREEN B**

- P29** Evaluating clinically meaningful within-subject change in functioning associated with migraine prevention using the Migraine Physical Function Impact Diary (MPFID) - *Ariane K Kawata, Asha Hareendran, Jiat-Ling Poon, Andrew Thach, Pooja Desai, Yumi Kubo, Daniel D Mikol, David W Dodick, Richard B Lipton, Stewart J Tepper*
- P30** The Trigger Avoidance Model of Headaches and Learning to Cope with Triggers: An update - *Paul Martin*
- P32** State and Trait anger and its expression in migraine and cluster headache - *Marialuisa Rausa, Sabina Cevoli, Giulia Giannini, Valentina Favoni, Sara A Contin, Donatella Ballardini, Pietro Cortelli, Giulia Pierangeli*

- P43** DEVELOPMENT OF THE ITALIAN VERSION OF THE “IDENTIFY CHRONIC MIGRAINE” (IT-ID-CM) - *Simona Sacco, Silvia Benemei, Sabina Cevoli, Gianluca Coppola, Pietro Cortelli, Francesco De Cesaris, Cristiano De Marco, Cherubino Di Lorenzo, Luana Evangelista, Pierangelo Geppetti, Andrea Negro, Giulia Pierangeli, Francesco Pierelli, Luigi A Pini, Francesca Pistoia, Antonio Russo, Cristina Tassorelli, Gioacchino Tedeschi, Paolo Martelletti*
- P52** The impact of headache free days on headache-related disability and productivity among people with migraine with ≥ 4 headache days in the past month - *Lulu Lee, Jvawwna Bell, Timothy Fitzgerald, Joshua M Cohen*
- P54** Burden of illness among treated migraine patients with ≥ 4 headache days in the past month - *Jvawwna Bell, Lulu Lee, Timothy Fitzgerald, Joshua M Cohen*
- P57** National awareness campaign - *Louise N Carlsen, Maria L Westergaard, Mette Bisgaard, Julie B Schytz, Rigmor H Jensen*
- 11:00 - 11:30 **SCREEN C**
- P64** Headache following head injury: A population-based longitudinal cohort study (HUNT) - *Lena H Nordhaug, Knut Hagen, Anne Vik, Lars J Stovner, Turid Follestad, Torunn Pedersen, Gøril B Gravdahl, Mattias Linde*
- P73** Medical (respiratory, sleep, cardiovascular and gastrointestinal) comorbidities of migraine: Results from the Chronic Migraine Epidemiology and Outcomes (CaMEO) study - *Richard B Lipton, Vincent T Martin, Michael L Reed, Kristina M Fanning, Aubrey M Adams, Dawn C Buse*
- P74** Development of a claims-based algorithm for use in patients with migraine to identify potentially undiagnosed chronic migraine patients - *Jelena M Pavlovic, Justin S Yu, Stephen D Silberstein, Michael L Reed, Steve H Kawahara, Robert P Cowan, Firas Dabbous, Karen L Campbell, Anand S Shewale, Riya Pulicharam, Jonathan W Kowalski, Hema N Viswanathan, Richard B Lipton*
- P75** The relationship between pain, psychiatric, and endocrine/neurological comorbidities of migraine: Results from the Chronic Migraine Epidemiology and Outcomes (CaMEO) study - *Richard B Lipton, Vincent T Martin, Michael L Reed, Kristina M Fanning, Aubrey M Adams, Dawn C Buse*
- P91** Burden and impact of migraine: a caregiver’s perspective - *Elena Ruiz de la Torre, Paolo Martelletti, Audrey Craven, Donna Walsh, Simon Evans, Paula Dumas, Hans-Christoph Diener, Michel Lanteri-Minet, Todd J Schwedt, Jean-Pierre Malkowski, Monisha Sodha, Susann Walda, Anne Aronsson, Annik Laflamme, Pamela Vo*
- P93** Real-world patient perspective on the burden and impact of migraine - *Elena Ruiz de la Torre, Paolo Martelletti, Audrey Craven, Donna Walsh, Simon Evans, Paula Dumas, Hans-Christoph Diener, Michel Lanteri-Minet, Todd J Schwedt, Jean-Pierre Malkowski, Monisha Sodha, Susann Walda, Anne Aronsson, Annik Laflamme, Pamela Vo*

11:00 - 11:30 **SCREEN D**

- P134** Development of a claims-based algorithm for use in patients with migraine to identify potentially undiagnosed chronic migraine patients - *Jelena M Pavlovic, Justin S Yu, Stephen D Silberstein, Michael L Reed, Steve H Kawahara, Robert P Cowan, Firas Dabbous, Karen L Campbell, Anand S Shewale, Riya Pulicharam, Jonathan W Kowalski, Hema N Viswanathan, Richard B Lipton*
- P141** Integrating Learning to Cope with Triggers into a cognitive behavioural therapy program for primary headaches: Can it enhance efficacy? - *Paul R Martin, John Reece, Sharon Mackenzie, Siavash Bandarian-Balooch, Arissa Brunelli, Peter J Goadsby*
- P143** Validity of the ICHD-IIIb criteria in the diagnosis of migraine with aura in children and adolescents - *Martina Balestri, Alessandro Capuano, Laura Papetti, Samuela Tarantino, Barbara Battan, Federico Vigeveno, Massimiliano Valeriani*
- P144** Headache and personality assessed with the NEO-Five-Factor-Inventory - *Louise S Mose, Susanne S Pedersen, Rigmor H Jensen, Bibi V Gram*
- P157** Contribution of hormonal contraceptives to the risk of ischemic stroke in women with migraine: a meta-analysis of current data - *Simona Sacco, Gabriele S Merki-Feld, Karen L Ægidius, Johannes Bitzer, Marianne Canonico, Tobias Kurth, Christian Lampl, Øjvind Lidegaard, E Anne MacGregor, Antoinette Maassen van den Brink, Dimos-Dimitrios Mitsikostas, Rossella E Nappi, George Ntaios, Per M Sandset, Paolo Martelletti*
- P158** Medical (respiratory, sleep, cardiovascular and gastrointestinal) comorbidities of migraine: Results from the Chronic Migraine Epidemiology and Outcomes (CaMEO) study - *Richard B Lipton, Vincent T Martin, Michael L Reed, Kristina M Fanning, Aubrey M Adams, Dawn C Buse*

e-POSTER DISCUSSION / DISCUSSANT: MARIE DEEN

13:30 - 14:30 **SCREEN A**

- P2** Biomarkers of inflammation in patients with Chronic Migraine after withdrawal from Medication Overuse: longitudinal changes and comparison with healthy subjects - *Licia Grazzi, Emanuela Sansone, Alberto Raggi, Matilde Leonardi, Emilio Ciusani, Elena Corsini, Giovanni D'Andrea, Andrea Bolner, Francisco Salgado-García, Frank Andrasik, Domenico D'Amico*
- P4** Headache Clinical Refractoriness - *Christian Lampl*
- P7** Sequential presentation of ipsilateral supraorbital and lacrimal neuralgias in a patient - *Chavarría Miranda, Talavera De la Esperanza, Martínez Pías, Trigo López, Gómez López de San Román, Ruiz Piñero, Pedraza Hueso, Guerrero Peral, David García Azorín*
- P8** Cognitive impairment in episodic and chronic migraineurs and tension-type headache sufferers - *Alessia Bianchi, Roberto Monastero, Maria Davì, Filippo Brighina, Cecilia Camarda*
- P14** Are there gender differences related to cost of disease in patients with Medication Overuse Headache receiving structured withdrawal? - *Licia Grazzi, Domenico D'Amico, Emanuela Sansone, Matilde Leonardi, Alberto Raggi*
- P18** Reliability and validity of a questionnaire for detecting cluster headache among headache patients - *Pil-Wook Chung, Soo-Jin Cho, Kwang-Yeol Park, Mi-Ji Lee, Chin-Sang Chung, Byung-Su Kim, and Korean Cluster Headache Registry Group*
- P19** Postdural Puncture Headache after Cervical Medial Branch Block - *Young In Lee, Donggyu Han, Yoo Jung Rark, Eung Don Kim*
- P23** Anxiety and Depression in Patients with Cluster Headache - *Kwang-Yeol Park, Soo-Jin Cho, Byung-Kun Kim, Pil-Wook Chung, and Korean Cluster Headache Registry Group*
- P31** The intermediary relationship between analgesic/abortive medication use, sleep quality, and headache frequency: A potential new partial mechanism contributing to medication overuse headache - *Daniel P Sullivan, Paul R Martin*
- P39** Cortical laminar necrosis in a 14-year old patient with status migrainosus - *Luca M Messina, Cristina Gallo, Vincenzo Raieli, Edvige Correnti, Francesca Vanadia*

13:30 - 14:30 **SCREEN B**

- P40** Visual snow in a patient with occipital stroke: do we have to rethink migrainous infarction pathophysiology? - *Teresa Catarci*
- P44** Importance of Anatomical Diagnostic Approach for Migraine and Tension type headache using Acupuncture and Meridian of Korean Hand Therapy - *Soon Won Park, Kyuhyun Park, Taewoo Yoo*

- P46 Maternal alexithymia and attachment style: which relationship with their children's headache features and psychological profile? - *Samuela Tarantino, Laura Papetti, Cristiana De Ranieri, Angela Rocco, Valeria Valeriano, Francesca Boldrini, Barbara Battan, Maria F Paniccia, Federico Vigevano, Simonetta Gentile, Massimiliano Valeriani*
- P50 Clinical presentation and diagnostic evaluation of idiopathic intracranial hypertension in children and adolescents - *Barbara Battan, Laura Papetti, Irene Salfa, Federico Vigevano, Massimiliano Valeriani*
- P58 Alcohol as a risk factor for migraine attacks: an exploration - *Pablo Prieto, Gabriel Boucher, Stephen Donoghue, Alec Mian, Noah Rosen*
- P59 Medication use and overuse patterns in a cohort of US and UK individuals with migraine using a digital platform - *Pablo Prieto, Gabriel Boucher, Stephen Donoghue, Stephen D Silberstein*
- P60 Individual self-prediction of migraine attacks: longitudinal analysis of cohort of migraine patients using a digital platform - *Pablo Prieto, Gabriel Boucher, Alec Mian, Noah Rosen*
- P62 A rapidly progressive cerebral hematoma secondary to cerebral venous sinus thrombosis (CVST) - A Case Report - *Andrea Giorgetti, Elena P Verrengia, Patrizia Perrone*
- P63 Benign intracranial hypertension in children can be due to hypoparathyroidism: a case-report - *Giorgia Sforza, Annalisa Deodati, Laura Papetti, Barbara Battan, Paolo Curatolo Federico Vigevano, Massimiliano Valeriani*
- P64 Headache following head injury: A population-based longitudinal cohort study (HUNT) - *Lena H Nordhaug, Knut Hagen, Anne Vik, Lars J Stovner, Turid Follestad, Torunn Pedersen, Gøril B Gravdahl, Mattias Linde*
- P65 Pediatric headache clinics: toward in-pediatric emergency department models - *Laurence Geffroy, Silvana De Lucia, Luigi Titomanlio*
- 13:30 - 14:30 **SCREEN C**
- P66 Individual identification of factors associated with reduced risk of migraine attacks: potential 'protectors' - *Stephen Donoghue, Francesc Peris, Gabriel Boucher, Alec Mian, Christian Wöber*
- P67 Self-reported triggers vs prospectively statistically determined factors associated with attacks in individuals with episodic and chronic migraine - *Stephen Donoghue, Gabriel Boucher, Francesc Peris, Alec Mian, Paul R Martin*
- P68 Vertigo and Migraine - *Elena Filatova, Tatiana Ivanova*
- P69 Characterising the effect of lumbar puncture on headache in idiopathic intracranial hypertension - *Andreas Yiangou, James Mitchell, Keira A Markey, William Scotto, Peter Nightingale, Ryan Ottridge, Susan Mollan, Alexandra Sinclair*
- P70 Effectiveness of a digital platform for headache training of specialists - *Edvige Correnti, Filippo Brighina, Antonino Sandullo, Marcello Romano, Francesca Marchese, Carmela Loiacono, Luca Messina, Vincenzo Raieli*

- P83** Ice cream headache and rock and roll - *Federico Mainardi, Giorgio Zanchin, Ferdinando Maggioni*
- P86** Postural headache and spontaneous intracranial hypotension: clinical features, neuroimaging and quality of life improvements in patients treated with blind epidural blood patch: a case series - *Marco Mercieri, Riccardo Chierichini, Barbara Silvestri, Roberto Arcioni*
- P88** Changes in grey matter volume and functional connectivity in cluster headache versus migraine - *Silvia Benemei, Antonio Giorgio, Jian Zhang, Chiara Lupi, Marzia Mortilla, Antonio Federico, Pierangelo Geppetti, Francesco De Cesaris, Nicola De Stefano*
- P90** Induction of migraine-like photophobia by PACAP-38: A potential target in migraine treatment - *Adisa Kuburas, Bianca N Mason, Maria-Christina M Loomis, Leon F Garcia-Martinez, Andrew F Russo*
- P95** The antimigraine butterbur ingredient, isopetasin, desensitizes peptidergic nociceptors via The TRPA1 channel activation in vitro - *Francesco De Logu, Silvia Benemei, Simone Li Puma, Ilaria M Marone, Elisabetta Coppi, Filippo Ugolini, Wolfgang Liedtke, Federica Pollastro, Giovanni Appendino, Pierangelo Geppetti, Serena Materazzi, Romina Nassini*
- 13:30 - 14:30 **SCREEN D**
- P97** Ex-Migraine: Clinical and Neurophysiological Analysis - *Vera Osipova, Alexey Sergeev, Elena Snopkova, Ada Artemenko, Guzial Tabeeva, Zaza Katsarava*
- P103** The role of peripheral CGRP on the vasculature in a preclinical mouse model of migraine - *Bianca Mason*
- P112** Decreased medial prefrontal cortex volume in migraine without aura: a multispectral MRI study - *Sourena Soheili-Nezhad, Alireza Sedghi, Ferdinand Schweser, Neda Jahanshad, Paul Thompson, Amir Eslami Shahr Babaki, Aida Tabrizi, Mansoureh Togha*
- P119** Impaired cholinergic transmission during the migraine cycle: a short-latency afferent inhibition (SAI) study - *Davide Di Lenola, Gianluca Coppola, Francesca Cortese, Cherubino Di Lorenzo, Francesco Pierelli*
- P121** Comparative study of mechanosensitivity and neural mobility in subjects with episodic tension type headache versus control group - *Leandro H Caamaño, Ricardo Ortega, Fernando Galán*
- P124** Simulated airplane headache: a proxy towards identification of underlying mechanisms - *Torben Petersen*
- P131** Effect of non-invasive Vagus Nerve Stimulation on Laser Evoked Potentials in Migraine - *Eleonora Vecchio, Katia Ricci, Anna Montemurro, Lia Spitzer, Eric J Liebler, Marina de Tommaso*
- P135** Antibodies in patients with chronic tension type headache and chronic migraine: is there a link between headache and autoimmunity? - *Anastasia Prishchepa, Alexey Danilov*
- P151** Perivascular neurotransmitters: Role in primary headaches - *Simona D Frederiksen, Kristian A Haanes, Karin Warfvinge, Lars Edvinsson*

e-POSTER DISCUSSION / DISCUSSANT: ANDREA NEGRO

11:00 - 11:30 **SCREEN A**

- P87** Retinal migraine: three case reports - *Vlasta V Cvetkovic, Lars Bendtsen, Jes Olesen*
- P89** Intercepting migraine in its path towards chronicity - *Angela Koverech, Paolo Martelletti*
- P106** Obesity is more prevalent in chronic migraine than in episodic migraine - *Brad D Torphy, Nicole M Buckley*
- P110** Surface electromyography of masticatory and neck muscles in patient with temporomandibular disorders and headache: a case report - *Salvatore Novi, Lidia Savi*
- P111** Headache secondary to subarachnoid haemorrhage due to arteriovenous malformation can be presented as migraine in its clinical phenotype - *Srdjan Ljubisavljevic*
- P113** Chronic paroxysmal hemicrania in paediatric age: report of four cases - *Laura Papetti, Samuela Tarantino, Barbara Battan, Federico Vigeveno, Massimiliano Valeriani*

11:00 - 11:30 **SCREEN B**

- P120** Brain herniation into transversal venous sinus case report - *Miodrag Vrcakovski, Metodi Cepreganov, Marija Milanovska*
- P125** Chronic Headache Education and Self-management Study (CHESS) a feasibility study - *Kimberley White, Rachel Potter, Martin Underwood, On behalf of the CHESS team*
- P126** Management of headache in the acute medical unit: what can we improve and how? - *Hannah C Johnson, Sophie L Main, Oliver A T Seglah, Johann R. Selvarajah*
- P127** The relationship between sleep disorders and migraine: Results from the Chronic Migraine Epidemiology and Outcomes (CaMEO) study - *Dawn C Buse, Jeanetta C Rains, Jelena M Pavlovic, Kristina M Fanning, Michael L. Reed, Aubrey M Adams, Richard B Lipton*
- P133** Cerebral hemodynamics in the anterior and posterior circulation in patients with migraine with aura, stroke and controls - *Claudia Altamura, Matteo Paolucci, Nicoletta Brunelli, Angelo Cascio Rizzo, Fabrizio Vernieri*
- P142** Sleep Disturbance in Children with primary headache - *Ayse Kartal*

11:00 - 11:30 **SCREEN C**

- P146** Characteristics of 5000 patients in a headache clinic registry - *David García-Azorín, Marina Ruiz, María I Pedraza, Laura Blanco, Raquel Moreno, Angel L Guerrero*
- P147** Life traumas and stressful events in Chronic Migraine and Medication Overuse Headache: What is the relation with the outcome of a detoxification therapy? - *Sara Bottiroli, Michele Viana, Grazia Sances, Roberto De Icco, Vito Bitetto, Elena Guaschino, Natascia Ghiotto, Stefania Pazzi, Giuseppe Nappi, Cristina Tassorelli*
- P148** Comorbidities in chronic and episodic migraine - *Mansoureh Togha, Zahra Yari, Reza Rahmanzadeh, Soodeh R Jahromi, Zeinab Ghorbani*
- P149** Features of chronic primary headaches (CPH) in children and adolescents referred to two third level headache centers - *Massimiliano Valeriani, Laura Papetti, Beatrice Bartoli, Cristiano Termine, Irene Salfa, Barbara Battan, Federico Vigevano*
- P150** Postural control impairment in patients with migraine with and without aura and chronic migraine - *Gabriela F Carvalho, Lidiane L Florêncio, Carina F Pinheiro, Fabiola Dach, Débora Bevilaqua-Grossi*

11:00 - 11:30 **SCREEN D**

- P152** Headache attributed to aeroplane travel and Aeroplane headaches sine aeroplane travel: Headache attributed to imbalance between intrasinusal and external air pressure - *Federico Mainardi, Ferdinando Maggioni, Giorgio Zanchin*
- P153** Thunderclap headache caused by spontaneous pneumocephalus associated with intracranial hypotension - *Angela Cervellino, Valeria Coppola, Antonietta Romaniello, Giovanni Gonnella, Nicola Paciello, Enrico Ferrante*
- P154** Women with migraine present hyperactivity of neck extensors muscles during maximal and submaximal tasks - *Lidiane L Florencio, Gabriela F Carvalho, Fabiola Dach, Anamaria Siriani de Oliveira, César Fernández-de-las-Peñas, Débora Bevilaqua-Grossi*
- P155** The role of sexual dysfunction and attachment style in migraine related quality of life - *Maria Pia Prudenzano, Maria Fara De Caro, Maria Colucci, Jolanda Losole, Simona Lamberti, Maria E Roca, Domenico Laera, Alessandro Taurino, Maria Trojano*
- P156** Migraine: a possible risk factor for the development of hypothyroidism in women - *Carlo Lisotto, Federico Mainardi, Ferdinando Maggioni, Giorgio Zanchin*

e-POSTER DISCUSSION / DISCUSSANT: FAISAL AMIN

13:30 - 14:30 **SCREEN A**

- P1** Anti-CGRP monoclonal antibodies for the treatment of chronic migraine: an overview of available results and comparison with the currently used prophylactics - *Fenne Vandervorst, Laura Van Deun, Jacques De Keyser, Jan Versijpt*
- P3** Outcome of microvascular decompression in trigeminal neuralgia is highly dependent on sex and degree of neurovascular contact – A prospective systematic study using independent assessors - *Tone B Heinskou, Per RoCHAT, Stine Maarbjerg, Frauke Wolfram, Jannick Brennum, Jes Olesen, Lars Bendtsen*
- P5** Sphenopalatine ganglion block using Tx360 device. First results in refractory chronic migraine in Spain - *Jose M Sanchez, Maria Rico, Elena Ameijide, Maria Castanon*
- P6** Efficacy of erenumab (AMG 334) in chronic migraine patients with prior prophylactic treatment failure: Subgroup analysis of the phase 2, randomised, double-blind, placebo-controlled study - *Messoud Ashina, Stewart J Tepper, Jan Lewis Brandes, Uwe Reuter, Guy P Boudreau, David Dolezil, Sunfa Cheng, Dean Leonardi, Robert A Lenz, Jan Klatt, Daniel D Mikol*
- P10** Chronic migraine treatment with erenumab: Responder rates - *Hans-Christoph Diener, Jan Brandes, David Dolezil, Marshall C Freeman, Peter J McAllister, Paul Winner, Sunfa Cheng, Dean K Leonardi, Robert A Lenz, Daniel D Miko*
- P11** Systematic Cochrane review of botulinum toxins for the prevention of migraine in adults - *Alexandra Sinclair, Clare P Herd, Claire L Tomlinson, Caroline Rick, William J Scotton, Julie Edwards, Natalie Ives, Carl E Clarke*
- P12** Complete detoxification is the most effective treatment of medication-overuse headache: A randomized controlled open-label trial - *Louise N Carlsen, Signe B Munksgaard, Rigmor H Jensen, Lars Bendtsen*
- P13** Sphenopalatine ganglion block using Tx360 device. First results in refractory chronic cluster headache in Spain - *Jose M Sanchez, Maria Rico, Maria Castanon, Elena Ameijide*
- P15** Optimal response to onabotulinumtoxin in chronic migraine: evaluation in a series of 124 patients - *David García-Azorín, Marina Ruiz, Maria I Pedraza, Angel L Guerrero*
- P20** Cervical Medial Branch Block using Botulinum Toxin Type A in Patient with Cervicogenic - *Young I Lee, Donggyu Han, Eung D Kim, Yoo J Rark*
- P21** Chronic Migraine Treatment and Work Productivity - *Valeria Canzonetta, Valerio De Angelis, Elena Rogante, Eleonora Sabatelli, Salvatore Sarubbi, Alice Sparagna, Denise Erbutto, Marco Innamorati, Maurizio Pompili, Paolo Martelletti*

- P24 Benefit-Risk Assessment of Migraine Prophylaxis Treatments Using Likelihood of Being Helped or Harmed (LHH) - *Pamela Vo, Shihua Wen, Marie-Josée Martel, Dimos Mitsikostas, Uwe Reuter, Jan Klatt*
- P33 A Phase 1 Study to Assess the Pharmacokinetics, Safety, Tolerability and immunogenicity of Fremanezumab doses (225 mg, 675 mg and 900 mg) in Japanese and Caucasian Healthy Subjects - *Orit Cohen-Barak, Xiaojun Hu, Michele Rasamoeliso, Nicola Faulhaber, Paul Yeung, Esther Yoon, Mohit Gandhi, Ernesto Aycardi*
- 13:30 - 14:30 **SCREEN B**
- P34 Fremanezumab increases the maximum number of consecutive headache free days for patients with high frequency episodic migraine - *Robert Noble, Ernesto Aycardi, Marcelo Bigal, Mirna McDonald, Pippa Loupe, Investigators of the EM study*
- P35 A Phase 1 Study to Assess the Pharmacokinetics, Safety, Tolerability and immunogenicity of Fremanezumab doses (225 mg, 675 mg and 900 mg) in Japanese and Caucasian Healthy Subjects - *Orit Cohen-Barak, Xiaojun Hu, Michele Rasamoeliso, Nicola Faulhaber, Paul Yeung, Esther Yoon, Mohith Gandhi, Ernesto Aycardi*
- P36 Analysis of injection site reactions across four placebo controlled trials of erenumab for migraine prevention - *Julio Pascual, David Doležil, Brendan Davies, Hernan Picard, Frank Hong, Feng Zhang, Fei Xue, Dan Mikol, Jan Klatt*
- P37 Ipoglycemia a trigger factor for migraine chronification in migraineurs: diagnosis with glyceamic load - *Claudio Mostardini*
- P38 Peripheral Vagal Nerve Stimulation attenuates migraine aura: a case report - *Grazia Sances, Vito Bitetto, Eric J Liebler, Roberto De Icco, Michele Viana, Cristina Tassorelli*
- P41 Treatment patterns and medication use among migraine patients in Finland - *Timo Purmonen, Hanna Wahlman, Minna Korolainen*
- P42 The impact of fremanezumab on headache-related disability in patients with chronic migraine using the Headache Impact Test - *Paul K Winner, Timothy Fitzgerald, Sanjay K Gandhi, Paul P Yeung, Joshua M Cohen, Yuju Ma, Ernesto Aycardi*
- P45 Use of nutraceutical Clevia, in Pure Menstrual Migraine - *Claudio Mostardini*
- P47 Post accidental dural puncture headache : 3 years of obstetric experience using conservative treatment - *Paolo Diamanti, Laura Toscan, Luigi Farina, Maurizio Evangelista*
- P48 Pediatric use of Tanacetum Parthenium, Griffonia Simplicifolia and Magnesium in the prophylaxis and symptomatic treatment of headache attacks - *Anna Rita Bellomo, Federica Di Ruscio, Lorenzo Toni*
- P49 The impact of fremanezumab on migraine-specific health-related quality of life and overall health status in chronic migraine - *Richard B Lipton, Sanjay K Gandhi, Timothy Fitzgerald, Paul P Yeung, Joshua M Cohen, Yuju Ma, Ernesto Aycardi*
- P51 Onabotulinumtoxin A in a patient with ileointestinal bypass and chronic migraine: a case report - *Ottavio Di Marco, Stefania Di Mauro, Fernando Ferrauti*

- P53 Early Onset of Action with Fremanezumab Versus Placebo for the Preventive Treatment of Chronic Migraine - *Paul Yeung, Ernesto Aycardi, Marcelo Bigal, Tricia Blankenbiller, Melissa Grozinski-Wolff, Ronghua Yang, Yuju Ma, Jan Brandes*
- 13:30 - 14:30 **SCREEN C**
- P56 Topiramate is more effective than acetazolamide at lowering intracranial pressure in healthy rodents - *Hannah Botfield, William J Scotton, Maria Uldall, Connor Westgate, James Mitchell, Rigmor Jensen, Alexandra Sinclair*
- P71 Tanacetum Parthenium , 5 - hydroxy tryptophan and magnesium (Aurastop©) efficacy in episodic migraine prevention. A multicentric observational study - *Federico Mainardi, Paola Merlo, Ferdinando Maggioni, Giorgio Zanchin, Giorgio Dalla Volta*
- P72 Association of Tanacetum Parthenium, 5-Hydroxytryptophan and Magnesium (Aurastop®) in the treatment of migraine aura: an observational study - *Fabio Antonaci, Valentina Rebecchi, Grazia Sances, Paola Merlo, Andrea Giorgetti, Franco Di Palma, Edgar Matta, Carlo Dall'Occhio, Cristina Tassorelli, Giorgio Dalla Volta*
- P82 Usage of Quetiapine in Profilactic Treatment of Chronic Migraine - *Tetiana Maikova, Sergiy Lukashov, Ekaterina Dzevitskaya, Mariya Kuts*
- P84 Implementation of improved working practices in a chronic migraine Botox® clinic has increased treatment capacity by up to 60% with the same resources - *Rebecca Stuckey, April Bostock, Stuart Weatherby, Gemma Taylor, Donna Clewer, Paul Button, Julie Button*
- P85 Zonisamide for headache prophylaxis in dementia - *Yunju Choi, Seung H Lee, Myeong K Kim, Kyung W Kang*
- P94 Efficacy of Onabotulinumtoxin A and physical therapy combined treatment in chronic migraine - *Antonio Granat, Antonella Monticco, Manuela Deodato, Ugogiulio Sisto, Mariana Ridolfi, Roberto Marcovich, Paolo Manganotti*
- P96 Use of acute headache and migraine medications in patients with episodic migraine in the STRIVE Phase 3 trial of erenumab for migraine prevention - *Uwe Reuter, Jo Bonner, Gregor Broessner, Yngve Hallstrom, Hernan Picard, Sunfa Cheng, Feng Zhang, Dan Mikol, Jan Klatt*
- P98 Reducing the impact of migraine on functioning: Results from the STRIVE trial, a phase 3, randomised, double-blind, placebo-controlled study of erenumab in patients with episodic migraine - *Dawn C Buse, Richard B Lipton, Daniel D Mikol, Andrew V Thach, Pooja Desai, Hernan Picard, Yumi Kubo, Asha Hareendran, Ariane K Kawata*
- P99 Reducing impaired days: Results from the STRIVE trial, a phase 3, randomised, double-blind study of erenumab for episodic migraine - *Asha Hareendran, Dawn C Buse, Richard B Lipton, Martha S Bayliss, Daniel D Mikol, Dennis A Revicki, Feng Zhang, Pooja Desai, Hernan Picard, Ariane K Kawat*
- P100 Patient-reported outcomes in patients with chronic migraine receiving placebo or erenumab (AMG 334) in a phase 2, randomised, double-blind study - *Richard B Lipton, Stewart J Tepper, Uwe Reute, Stephen Silberstein, Walter Stewart, Dean Leonardi, Pooja Desai, Sunfa Cheng, Daniel D Mikol, Robert A Lenz*

- P101** Treatment-Induced Improvement in Migraine Classification in the Fremanezumab HFEM Study - *Robert Noble, Ernesto Aycardi, Marcelo Bigal, Pippa Loupe*
- P102** Analysis of blood pressure following short-term and long-term treatment with erenumab - *Stewart J Tepper, Julio Pascual, Uwe Reuter, Hernan Picard, Frank Hong, Marie-Louise Trotman, Fei Xue, Dan Mikol, Jan Klatt*
- P104** Peripheral vagal nerve stimulation modulates the nociceptive withdrawal reflex in healthy subjects: a cross-over sham-controlled study - *Roberto De Icco, Daniele Martinelli, Eric Liebler, Marta Allena, Vito Bitetto, Grazia Sances, Giorgio Sandrini, Giuseppe Nappi, Cristina Tassorelli*
- P105** Non-invasive vagal nerve stimulation reduces provoked cranial parasympathetic output in healthy volunteers - *Celina F Schroeder, Maike Moeller, Arne May*
- P107** The Impact of Fremanezumab on Migraine-Specific Health-Related Quality of Life in Episodic Migraine - *Richard B Lipton, Sanjay K Gandhi, Timothy Fitzgerald, Paul P Yeung, Joshua M Cohen, Yuju Ma, Ernesto Aycardi*
- P108** The Impact of Fremanezumab on Headache-related Disability in Patients With Episodic Migraine Using the Migraine Disability Assessment - *Paul K Winner, Timothy Fitzgerald, Sanjay K Gandhi, Paul P Yeung, Joshua M Cohen, Yuju Ma, Ernesto Aycardi*
- P109** The positive impact of fremanezumab on work productivity and activity impairment in patients with chronic migraine - *Richard B Lipton, Sanjay K Gandhi, Timothy Fitzgerald, Paul P Yeung, Joshua M Cohen, Yuju Ma, Ernesto Aycardi*
- P114** Early Onset of Action with Fremanezumab Versus Placebo for the Preventive Treatment of Episodic Migraine - *Paul Yeung, Ernesto Aycardi, Marcelo Bigal, Tricia Blankenbiller, Melissa Grozinski-Wolff, Ronghua Yang, Yuju Ma, Jan Brandes*
- P115** Efficacy and Safety of 2 Dose Regimens of Subcutaneous Administration of Fremanezumab (TEV-48125) Versus Placebo for the Preventive Treatment of Episodic Migraine - *Ernesto Aycardi, Marcelo Bigal, Paul Yeung, Tricia Blankenbiller, Melissa Grozinski-Wolff, Ronghua Yang, Yuju Ma, Stephen Silberstein, Peter J Goadsby, David Dodick*
- P116** Efficacy and Safety of 2 Dose Regimens of Subcutaneous Fremanezumab Versus Placebo for the Preventive Treatment of Chronic Migraine - *Ernesto Aycardi, Marcelo Bigal, Paul Yeung, Tricia Blankenbiller, Melissa Grozinski-Wolff, Ronghua Yang, Yuju Ma, Stephen Silberstein, Peter J. Goadsby, David Dodick*
- P117** Influence of pre-treatment pain intensity on usage pattern, effectiveness and safety of Aspirin® : Subgroup analysis of six pharmacy-based surveys with 6.985 patients with headache or migraine - *Marius Dörr, Uwe Gessner, Christoph Theure*
- P118** Botox is a safe and efficient treatment for cervicogenic headache - *Monica Drottning, Sebastian Drottning, Steffen Grønneberg, Per Skjelbred*
- P122** Physiotherapy and basic headache research: Why using a pre-post design? - *Sarah Mingels, Marita Granitzer*

e-POSTER DISCUSSION / DISCUSSANT: ALEXANDRA SINCLAIR

11:00 - 11:30 **SCREEN A**

- P9** A multicenter, prospective, randomized, open-label study to compare the efficacy, safety, and tolerability of onabotulinumtoxinA and topiramate for headache prophylaxis in adults with chronic migraine: the FORWARD study - *John F Rothrock, Aubrey Manack Adams, Esther Jo, Xiang Zhao, Andrew M Blumenfeld*
- P55** Efficacy and Safety of Motilitone in Migraine Patients with Gastrointestinal Symptoms - *Dong W Kim, Kwang K Kim*
- P76** Are there sex differences among self-report pain features in patients with migraine? A pilot study - *Lidiane L Florencio, Gabriela F Carvalho, Carina F Pinheiro, Marcela B Mendes, Mariana T Benato, Samuel S Lodovichi, Fabiola Dach, Débora Bevilaqua-Grossi*
- P77** Analysis of endurance capacity of cervical extensors and flexors muscles in individuals with migraine and controls: a pilot study - *Iuri V De Oliveira, Samuel S Lodovichi, Lidiane L Florencio, Carina Pinheiro, Fabiola Dach, Débora Bevilaqua-Grossi*
- P78** Light-induced discomfort changes semi-static posture control of migraine patients - *Carina F Pinheiro, Renato Moraes, Lais Sestari, Gabriela F Carvalho, Anamaria S Oliveira, Fabiola Dach, Débora Bevilacqua-Grossi*
- P79** Poor sleep quality in probable migraine: a population-based study - *Tae-Jin Song, Soo-Jin Cho, Won-Joo Kim, Kwang Ik Yang, Chang-Ho Yun, Min K Chu*

11:00 - 11:30 **SCREEN B**

- P80** Correlation and differences between kinesiphobia, fear of falling and disability among women and men with migraine - *Gabriela F Carvalho, Lidiane L Florêncio, Carina F Pinheiro, Marcela B Mendes, Mariana T Benato, Samuel S Lodovichi, Fabiola Dach, Débora Bevilaqua-Grossi*
- P81** Handl syndrome in pediatric age - *Irene Salfa, Laura Papetti, Barbara Battan, Romina Moavero, Massimiliano Valeriani*
- P123** Real-life use of onabotulinumtoxinA for the symptomatic treatment of chronic migraine: The Repose Study - *Fayyaz Ahmed, Charly Gaul, Paolo Martelletti, Juan Carlos Garcia-Monco, Aubrey M Adams*
- P128** Are there many placebos? “Sugar pills” and stimulation of complex emotional networks - Pilot data - *Maria Nicolodi, Vanessa Sandoval, Anna Torrini, Martina Irasa*
- P129** Occipital Headaches in Children – Are They a Red Flag? - *Jacob Genizi, Amal Khourieh-Matar, Nurit Assaf, Irena Chistyakov, Isaac Sruço*

- P132** Adherence to prophylaxis pharmacotherapies in patients with Medication Overuse Headache: a 10-year experience in a single-centre - *Lanfranco Pellesi, Simona Guerzoni, Carlo Baraldi, Maria M Cainazzo, Luigi A Pini*
- 11:00 - 11:30 **SCREEN C**
- P136** Non-invasive vagus nerve stimulation for acute treatment of episodic and chronic cluster headache: pooled analysis of data from 2 randomised, double-blind, sham-controlled clinical trials - *Ilse F de Coo, Juana Marin, Stephen D Silberstein, Deborah I Friedman, Charly Gaul, Alok Tyagi, Eric Liebler, Stewart J Tepper, Michel D Ferrari, Peter J Goadsby*
- P137** The profile of super-responders to onabotulinumtoxin A for chronic migraine: data from an observational study - *Luana Evangelista, Simona Guerzoni, Lanfranco Pellesi, Francesca Pistoia, Cindy Tiseo, Luigi A Pini, Simona Sacco*
- P138** Personalized Medicine, Drug-Drug Interactions (DDIs) and Adverse Events (AEs) in Migraine Treatment. Rational, Strategy and Targets - *Andrea Negro, Luana Lionetto, Claudia Cicione, Angela Koverech, Cristina M De Marco, Giovanna Gentile, Marina Borro, Maurizio Simmaco, Paolo Martelletti*
- P140** Non-invasive vagus nerve stimulation for the acute treatment of episodic and chronic cluster headache: findings from the randomised, double-blind, sham-controlled ACT2 study - *Peter J Goadsby, Ilse F de Coo, Nicholas Silver, Alok Tyagi, Fayyaz Ahmed, Charly Gaul, Rigmor H Jensen, Hans-Christoph Diener, Andreas Straube, Eric Liebler, Juana Marin, Michel D Ferrari*
- P145** Botulinum toxin A in the Treatment of Chronic Cluster Headache – a pilot study - *Christian Lampl, Mirjam Rudolph, Elisabeth Bräutigam*
- 11:00 - 11:30 **SCREEN D**
- P159** The Effects of probiotic supplementation on chronic migraine(CM) headache: a randomized placebo-controlled double-blind study - *Maryam Seyfi-Shahpar, Fahimeh Martami, Mansoureh Togha, Zeinab Ghorbani, Soodeh R Jahromi, Hossein Ansari*
- P160** Capsaicin versus zingiber to shed some light on the therapeutic role of CGRP exhaustion versus counter-irritation - Preliminary data - *Maria Nicolodi, Vanessa Sandoval, Silvia Mega*
- P161** Pediatric Mixed Headache - The relationship between Migraine, Tension-Type Headache and Learning disabilities - in a Clinic-based Sample - *Jacob Genizi*
- P229** A case of vertebral artery dissecting aneurysm presented with trigeminal neuralgia - *Suk-Won Ahn*
- P230** Primary exertional headache with visual aura in a 15 year old soccer player - *Byungkun Kim*



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