



Scientific Programme Overview

The full scientific programme will be available to view early 2023. Ahead of this we wanted to share the congress topics and themes with our members.

The Scientific Programme Co-chairs have worked with the Programme Committee to develop an outstanding agenda for the four days of the congress.

The programme contains the regular features that you would expect from an International Headache Congress. Sessions include:

- Teaching Courses
- Plenary and Parallel Sessions
- Lunch Sessions and Debates
- Abstract Sessions – including the Trainees Excellence Tournament
- Industry-led Symposia

The session topics and content are listed within this document. The session titles are correct as of October 2022 and are subject to change.

Teaching courses:

1	Correct diagnosis and appropriate management of chronic headache
	<ul style="list-style-type: none"> • Diagnostic challenges in chronic daily headache • Risk factors and treatment of chronic migraine • Management of medication overuse headache
2	Migraine and its mimics in acute settings
	<ul style="list-style-type: none"> • Transient ischemic attack or hemiplegic migraine? • Confusional states, late-onset aura, or amyloid spells? • Visual snow or migraine aura?
3	Difficult to diagnose headaches in children
	<ul style="list-style-type: none"> • Unusual presentation of migraine in pediatric age • Misdiagnosed headache cases with TACs and rare causes • Childhood Episodic Syndromes and Migraine
4	Reappraisal of underrated migraine symptoms: Bench to bedside
	<ul style="list-style-type: none"> • Prodromal and postdromal symptoms • Vestibular symptoms & phonophobia • Photophobia & autonomic symptoms
5	How to build and organize an effective headache outpatient clinic
	<ul style="list-style-type: none"> • The steps of structured headache interview • Educating healthcare professionals on headaches • Collecting clinical data for patient care & research
6	Update on basic/translational headache science
	<ul style="list-style-type: none"> • New data from human physiology & electrophysiology • Recent information from behavioral models of headache • Genetic mouse models of migraine

Each TC 90 minutes, 4 speaker (20 min talk + Total 10 min Q/A) or 5 speaker (15 min talk + Total 15 min Q/A)



Plenary Scientific Sessions:

	IHC special lecture: What do we know about sex-related differences on headaches?
1	What's next after CGRP?
	<ul style="list-style-type: none"> • Novel paths beyond neuropeptides • Human model of migraine: future targets • Emerging new anti-migraine targets from basic research
2	Current research in biomarkers for headaches
	<ul style="list-style-type: none"> • Is there any soluble biomarker for primary headaches? • Electrophysiological biomarkers for headaches : the search for the holy grail • A biomarker potential of functional brain connectivity
3	Headaches associated with vascular events
	<ul style="list-style-type: none"> • Stroke and other cerebrovascular disorders prevalence in migraine • The subtle link between the heart and the brain • Update on reversible cerebral vasoconstriction syndrome
4	Emerging technologies in headaches
	<ul style="list-style-type: none"> • Omics- genetic risk scores – headache predictors • Advances in omics technology: Implications for research & treatment • Diagnostic and prognostic utilization of artificial intelligence/machine learning algorithms • Smarter methodologies for monitoring headache disorders
5	CGRP antagonists 5 years in – what have we learned?
	<ul style="list-style-type: none"> • Brain functions altered by peripherally acting CGRP inhibitors: lessons learned from prodromes and triggers • Emerging information on similarities and differences between CGRP antibody and small molecule treatments • Clinical management and side effect profiles of different CGRP antagonists
6	Emerging mechanisms and treatments in post-traumatic headache
	<ul style="list-style-type: none"> • Potential treatment insights from PTH models • What mechanisms we have learnt from neuroimaging in PTH • Concussion-related headaches
7	The morphofunction of migraine brain
	<ul style="list-style-type: none"> • Electrophysiological changes along the migraine cycle: the electrical dance • The trajectory of migraine attacks: insights from intrinsic network connectivity analysis • Neuroimaging correlates of electrophysiological findings



Parallel sessions:

1	Phenotypes of trigeminovascular activation: The gray areas
	<ul style="list-style-type: none"> ● Tension type headache or migraine? ● Sensory amplification and trigeminal activation ● Pericranial muscle involvement in headaches
2	Internal and Environmental Pressure Headaches
	<ul style="list-style-type: none"> ● Update on headache attributed to idiopathic intracranial hypertension ● Update on headache attributed spontaneous intracranial hypotension ● Headaches related to altitude changes
3	Challenging case discussions (Interactive using keypads)
	<ul style="list-style-type: none"> ● Diagnostic challenges in trigeminal neuralgia and atypical facial pain ● Management difficulties in medication overuse headache ● Vestibular migraine or benign paroxysmal vertigo?
4	The plethora of headache comorbidity – basic science and clinical aspects
	<ul style="list-style-type: none"> ● Metabolic & lipid dysregulation in headaches ● Musculoskeletal disorders and primary headaches ● Psychiatric comorbidities in headaches
5	Update on trigeminal autonomic cephalalgias
	<ul style="list-style-type: none"> ● Recent developments in the genetics of cluster headache ● Recent progress in neuroimaging of TACs ● Update on pediatric cluster headache
6	The inflammable brain: from the immune system to the meninges
	<ul style="list-style-type: none"> ● Interaction of calvarial immune system with meninges and the brain ● Cross talk between nociception and immune system ● What is the role of the inflammatory response in headache
7	Complementary medicine for headaches: the colors of mind
	<ul style="list-style-type: none"> ● Is color light therapy useful in migraine? ● Mechanisms of acupuncture analgesia in migraine ● How do meditation and mindfulness help in headaches?
8	How do you treat migraine pain without monoclonal antibodies and triptans
	<ul style="list-style-type: none"> ● Emergency setting of headache management ● Preventive medication: Low budget solutions ● Peripheral nerve blocks in headache practice
9	Update on medications and devices in headache treatment
	<ul style="list-style-type: none"> ● Recent progress on neuropeptide studies ● Treatment options for refractory headaches such as lidocaine & ketamine ● Update on neuro-modulatory device use in headaches
10	Pathophysiology of cluster headache: Not just the hypothalamus
	<ul style="list-style-type: none"> ● The enigmatic role of the hypothalamus: does it initiate and end the attack? ● What is the significance of the involvement of the mesolimbic system? ● Is the cluster headache a pathology of the lymphatic system?



11	Tension-type headache: is it really the Cinderella of headaches?
	<ul style="list-style-type: none"> • The global prevalence and the burden of tension-type headache • The brain networks and the tension-type headache • Non-pharmacological treatments: is there anything useful?
12	The science behind migraine and neuropsychiatric comorbidity
	<ul style="list-style-type: none"> • Sleep-related disorders and migraine • Mood disorders and migraine • Cognitive dysfunction and migraine

Lunch Sessions & Debates:

1	Lunch Session: Chronic Cluster Headache Management
	<ul style="list-style-type: none"> • Diagnostic challenges and treatment options in chronic cluster headache • What to do with the real refractory cases with chronic cluster headache?
2	Lunch Session: Gastrointestinal system and Headaches
	<ul style="list-style-type: none"> • Microbiota: We are what we eat • Novel mechanisms of migraine food triggers and analgesic overuse
3	Lunch Session: Reducing disparities in headache healthcare
	<ul style="list-style-type: none"> • Variability of drugs availability in the different geographic regions • What are the barriers and possible solutions?
4	Lunch Session: The scientific tales: how to create a career in the headache world
	<ul style="list-style-type: none"> • From the animal model to man • Let's start a career in headache research!
5	Lunch Debate: Acupuncture is as effective as oral preventive treatment in tension-type headache and migraine
6	Lunch Debate: Do we need to treat pediatric headaches with medications?