

ICAM 2026 ACCEPTED POSTER PRESENTATIONS

ABST NO	TITLE	TYPE
4	The Role of Nutrition in Wound Healing: Implications for Long-Duration Spaceflight	POSTER
	<u>Stavroula Chaloulakou</u> , Georgios Tzavellas, Krishi Korrapati, Dora Babocs, Rowena Christiansen	English
7	Study on the Regulatory Mechanism of Butyrate against Brain Cognitive Impairment Mediated by Repeated +Gz Exposure	POSTER
	<u>Jianquan Tian</u> , Yihe Wang, Xinyi Zan, Xin Ji	English
17	Retrospective evaluation of medical board reports of flight personnel referred to a healthcare institution for final decision: A descriptive cross-sectional study	POSTER
	<u>Zeynep Göker</u> , Hasan Ulubasoglu, Taner Deha Durmuş	English
49	Psychosocial factors related to pilots' perceived fatigue: A preliminary survey study from Türkiye	POSTER
	<u>Zeynep Göker</u>	English
58	From Underwater to Altitude: Translating Closed-Circuit Oxygen Rebreather Principles for Hypobaric Aerospace Operations	POSTER
	<u>Maria Vittoria Carminati</u>	English
63	The Fascinating Story of Meryem el-İcliyye (Maryam al-İcliyya)	POSTER
	<u>Emine Elif Vatanoglu Lutz</u> , Sina Ercan, Hakan Kiral, Elif Koçak, MEHTAP KAÇAR	English
64	The development of space physiology in space research	POSTER
	<u>MEHTAP KAÇAR</u> , Sina Ercan, Hakan Kiral, Emine Elif Vatanoglu Lutz	English
67	Prevalence and factors associated with poor sleep complaints among airline pilots operating from Belgium	POSTER
	<u>Ignace Hakizimana</u> , Maxime Niesen, Matthieu Hein	English
70	Ophthalmological Evaluation in Pilots and Co-pilots: Implications for Operational Safety and Occupational Health in Brazil	POSTER
	<u>Jose Leonardo Scandar Lippi</u>	English
73	Misperceptions, Postures, and Aberrant Physiological adaptations on Earth, Microgravity, Space, and the Extraterrestrial-A Review	POSTER
	<u>Jayashri D Sharma</u> , <u>Jayashri D Sharma</u>	English
75	Circadian patterns of medical emergencies resulting in flight diversion: a single-centre experience	POSTER
	<u>Filip Garmaz</u> , Robert Gečević, Adis Keranović	English
87	Fatigue Risk Factors, Circadian Disruption, and Cognitive Performance Among Libyan Flight Crew Members: A Cross-Sectional Questionnaire-Based Study	POSTER
	<u>NADA Khalifa A Abshu</u>	English
94	No Sex Differences in the Distribution of G Tolerance, Anti-G Straining Maneuver Effectiveness, and High-G Training Success: A Large-Sample Retrospective Study	POSTER
	<u>Chung Yu Lai</u> , You Jin Lin, Min Yu Tu, Jye Hann Chen, Pin Huei Lai, Wei Chi Tsai, I Ting Chang, Wun Wei Huang	English
95	Sex differences in AI-derived ECG heart age responses and their association with G tolerance	POSTER
	<u>Si Yu Chen</u> , Chin Sheng Lin, Chin Lin, Wei Ting Liu, Dung Jang Tsai, Min Yu Tu, Chung Yu Lai	English
102	Precision space health: an autonomous biosensing and clinical decision-support framework for long-duration space missions	POSTER
	<u>Shreya Manjusha Santhosh</u> , Santhosh Sundharesan	English
107	Sex and G-Tolerance Differences in Heart Rate Variability during Mild Exercise among Military Flight Cadets	POSTER
	<u>You Jin Lin</u> , Min Yu Tu, Yi Chang Lin, Yu Hao Huang, Shih Yu Lee, Chung Yu Lai	English
108	Competence and Readiness of Physicians in Saudi Arabia in Managing In Flight Medical Emergencies: A Systematic Review	POSTER
	<u>Muhannad Moawad Almutairi</u> , Tariq Alharbi, Mohammed A Aljunaid, Sadeem Alharbi, Shahad Alsulami, Nawwaf Albishi, Ziyad Alhatimi, Saud Khared, Abdulwa	English
115	Overcoming the Noise Barrier: A Hybrid Acoustic Digital Stethoscope Ecosystem for Helicopter Emergency Medical Transport	POSTER
	<u>Abílio Tiago Barros Oliveira</u> , Paulo Teixeira, Duarte Crawford Nascimento	English
122	Cardiovascular risk stratification in civil aviation pilots: the role of coronary calcium score	POSTER
	<u>Olga Yu Verba</u> , Aleksey V Dorofeev, Natalya B Zabrodina	English
124	Effects of a Physical Therapy Program on Surface Electromyographic Activity of Erector Spinal Muscles in an Air Force Patient with Non-Specific Low Back Pain: A Case Report	POSTER
	<u>Federico Piccoli</u> , Fabrizio Magnifica, Mazzoni Andrea, Milella Claudia, Musolino Pasquale	English

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125	Accidental Ground Exposure to Electromagnetic Chaff in Four Military Personnel: Risk Assessment and Medical Management	POSTER
	Comte Ulysse , Dubois Jules, Mannaioni Livia, Raingeval ² Jean Baptiste	English
128	Study on color perception under hypobaric hypoxia conditions at high altitude	POSTER
	Andrea Mazzoni , Marco Giubilei, Federico Piccoli, Pietro Perelli	English
130	Cervical Muscle Activation and Vestibular Function in Italian Air Force Aircrew with Non-Specific Neck Pain	POSTER
	Fabrizio Magnifica , Federico Piccoli, Claudia Milella, Pasquale Musolino	English
136	Operational Countermeasures for Microgravity-Induced Gut Dysbiosis and Host Metabolic Shifts	POSTER
	Harpreet Singh	English
151	Microgravity and venous thrombosis in astronauts: a systematic review	ORAL
	Carmen Nigro , Valeria Raparelli, Andrea Letizia, Cristina Lanzadoro, Pasquale Musolino, Pietro Perelli, Paola Verde	English
155	Pilot Mental Health Monitoring Program in Commercial Aviation: Process Description	POSTER
	Jose Eliezio Rodrigues De Aguiar , Anna Clara Cybele Heliodora Coelho Cunha, Helton Rubem Campos Dourado, Rubia Ilidia Tambones Galdino, Tamires Aparecida Souza Santos, Vania Elizabeth Ramos Melhado	English
158	Relationship Between Exercise Performance, Spirometric Respiratory Parameters, and TUC in Pilot Candidates: An Observational Study	POSTER
	Savaş Ilbasım , Ruhi Uyar	English
159	A New Field in Space Medicine: The Conceptual Need for Space Physical Therapy and Rehabilitation	POSTER
	Mehmet Aslan , Arzu Demirgüç, Ceyda Çiçek Yavuz	English
160	The Role of Flight Instructors in Student Pilot Mental Health Support: A Process Review	POSTER
	Zeyu Wang	English
167	Participatory Ergonomics for Preventing Musculoskeletal Disorders in Flight Attendants	POSTER
	Shiehafeel Hussin , Suhainizam Saliluddin, Mohd Rafee Baharudin	English
171	HIF-1 α /HMOX1 Axis Mediates Ferroptotic Air–Blood Barrier Injury in Hypobaric Hypoxia-Induced High-Altitude Pulmonary Edema	POSTER
	Shulin Liu , Yihe Wang, Jianquan Tian	English
178	Design and Implementation of a Structured Well-Being Program for Cockpit and Cabin Crew: The Dakka Route as a Pilot Application	POSTER
	Zeynep Yeni Erol , Elif Gunduz Kamberler, Zeynep Osmanoglu	English
179	Space Anemia in Long-Duration Spaceflight: A Review of Hemolysis and Hemoglobin Dynamics	POSTER
	ZEHRA BETÜL ARAS	English
183	Aeromedical decision to fly After traumatic brain injury	POSTER
	Meryem Zerrik , Houda Echchachoui, Mouna El Ghazi, Zakaria Ioughmane, Fahd Bennani, Fatima Zahra Tlemcani, Safaa Maktit, Mounya Jaouhar, Mohamed Chems	English
188	A Rare Case of Morganelle morganii Nasal Abscess Possibly Associated with an Insect Bite in the Crew Rest Compartment During Flight: An Aviation Medicine Perspective and Fitness-to-Fly Assessment	POSTER
	Esat Rıdvan Dikleli , Gözde Sen , Mehmet Deniz Aybey	English
195	Artificial Intelligence's Expanding Role in Ultrasound for Space Medicine	POSTER
	Corey Young , Jason-Flor Sisante, Ganeev Singh, Andrew Thorne, Denise Whitfield, Timothy Jang, Haig Aintablian	English
196	A Comparative Analysis of Aeromedical Certification Standards for Psychiatric Conditions - Use of Antidepressant Medications Among FAA, TCCA, CAA, EASA, and CASA	POSTER
	Dijan Ertemir	English
199	Hidden Cardiovascular Disease in Commercial Pilots Aged 60 Years and Older: A Cross-Sectional Study of 448 Pilots	POSTER
	Gözde Sen , Mehmet Deniz Aybey, Erdal Acar	English
209	Space Musculoskeletal Risk Stratification (SMRS): A Literature-Derived Framework for Future Explainable AI-Assisted Clinical Decision Support in Human Spaceflight	POSTER
	Niloufar Ahmadyarzdashy , Milad Bahari Qaragoz, Negar Ahmadyarzdashy	English
212	Beyond Evacuation: Operational Decision Frameworks for Autonomous Deep-Space Medicine	POSTER
	Shreya Maniusha Maniusha Santhosh , Santhosh Sundharesan	English

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216	Beyond the Airlock: Does EVA Exposure Impact Long-Term Survival in Career Astronauts?	POSTER
	Sydni Silverman , Nellie Haug, Nasser Gayed	English
231	Communication Channels Used for Reporting Infectious Diseases in Commercial Air Transport: An Evaluation Under the International Health Regulations (IHR-2005) - A Retrospective Analysis of 225 Events from 2015-2020	POSTER
	Elif Gündüz Kamberler , Esat Ridvan Dikeli, Dijan Ertemir, Gözde Şen, Mehmet Deniz Aybey	English
236	Charting a Course into Aerospace Medicine: An International Roadmap for Doctors and Medical Students	POSTER
	Laura Karran , Karolina Twardowska	English
238	Preparing for the Skies: In-Flight Medical Emergency Simulations for Medical Students	POSTER
	Sydni Silverman , Hannah Oelschlager, Jona Kerluku, Caleb Bowman, Michael Smith, John Aguilar, Shandra Jamison	English
248	Real-world queries to a generative AI medical assistant reveal physician information needs in aviation and travel medicine across four European countries	POSTER
	Pedro Tiago Pinto , Raquel Silva, João Henriques, Daniela Seixas	English
250	Global Scientific Output in Aerospace Medicine and Space Physiology (1970–2026): A Comprehensive Bibliometric Analysis	POSTER
	Uriel Antonio Guechi Rodríguez	English
255	Female Fertility Preservation Before Long-Duration Spaceflight: Is Oocyte Cryopreservation Part of Astronaut Medical Planning?	POSTER
	Olga Tkachenko	English
260	Empathy for Take-off: Nonviolent Communication as a Supportive CRM Tool	POSTER
	Fadime Sultan Albez	English
263	Otosclerosis in Aviation Medicine	POSTER
	Marijana Tomic Smiljanic , Nadezda Petrovski	English
269	Beyond Post-Incident Support: REFLECTIONS as a Framework for Psychosocial Safety and Operational Resilience in Aviation	POSTER
	Shaqufta Hasnain , Narinder Taneja	English
270	Gender Dysphoria and Aeromedical Assessment	POSTER
	Marijana Tomic Smiljanic , Nadezda Petrovski	English
271	Beyond the Altitude Barrier: International Strategies to Engage the Next Generation in Aerospace Medicine	POSTER
	Philip Brady , Basil P. Spyropoulos	English
288	Neurogenesis Beyond Earth: A Systematic Review of the Effects of Microgravity on Neural Regeneration	POSTER
	Daniela Romina Tito Tudela	English
295	Mathematical modeling and molecular dynamics of cellular stress responses: applications for space agriculture and life-support systems	POSTER
	Mia Khaled Anabosj , Natalia Sapia, Sotirios Fragkostefanakis	English
296	Cardiac arrest during spaceflight: challenges for resuscitation in microgravity	POSTER
	Almedina Spiljak	English