



# **Repertorio Bibliografico Italiano di Medicina del Lavoro**



*a cura del Comitato Scientifico SIML*

**GIUGNO-DICEMBRE 2025**

## Presentazione

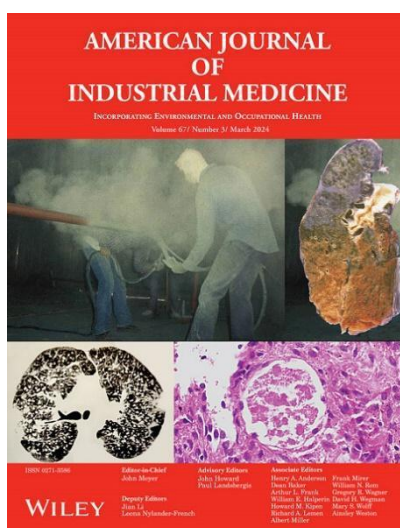
Il primo numero del Repertorio 2025 è composto esclusivamente, a seguito della decisione del Direttivo Nazionale del dicembre 2024 us, esclusivamente dalla presentazione degli degli indici dei fascicoli gennaio -giugno delle riviste internazionali più importanti e rappresentative della nostra disciplina di cui alla tabella sotto riportata.

Riviste più rappresentative della Me

dicina del Lavoro, con Journal Impact Factor (JIF) 2024 e CiteScore (CS) del 2024.

	<a href="#">Link to online issue</a>	Country	JIF	CS	Owner/Publisher
American Journal of Industrial Medicine	<a href="#">Am J Ind Med</a>	US	3.1	5.5	Wiley-Liss Inc.
Ergonomics	<a href="#">Ergonomics</a>	UK	2.4	5.1	Taylor & Francis
<a href="#">International Archives of Occupational and Environmental Health</a>	<a href="#">Int Arch Environ Occup Health</a>	DE	2.4	6.5	Springer Verlag
International Journal of Occupational Medicine and Environmental Health	<a href="#">Int J Occup Med Environ Health</a>	PL	1.4	3.2	Nofer Institute
Journal of Occupational Health	<a href="#">JOH</a>	JA	2.0	5.0	Japan SOH
Journal of Occupational Medicine and Toxicology	<a href="#">J Occup Med Toxicol</a>	UK	2.7	5.3	BioMed Central Ltd.
Journal of Occupational and Environmental Medicine	<a href="#">JOEM</a>	US	1.4	4.1	ACOEM
La Medicina del Lavoro	<a href="#">Med Lav</a>	IT	2.0	4.3	SIML/Mattioli1885
Occupational and Environmental Medicine	<a href="#">OEM</a>	UK	3.1	8.3	BMJ Publishing Group
Occupational Medicine	<a href="#">Occupational Medicine</a>	UK	1.7	3.9	Oxford
Safety and Health at Work	<a href="#">SH@W</a>	SK	2.9	5.9	Elsevier BV
Scandinavian Journal of Work Environment and Health	<a href="#">SJWEH</a>	FI	4.3	7.9	Finnish Institute of OH

Si precisa che per gli articoli con più di tre autori è stata fatta la scelta, in analogia al metodo seguito da alcune delle riviste scrutinate, di riportare il primo secondo ed ultimo autore, rimandando all'articolo originale, per la lista completa.



## AMERICAN JOURNAL OF INDUSTRIAL MEDICINE

**Volume 68, Issue 7**  
**July 2025**

### COMMENTARY

#### **Industrial Robotics and the Future of Work**

John Howard\*, Vladimir Murashov & Divya Srinivasan  
\*Washington, District of Columbia, USA

### REVIEW ARTICLE

#### **Applying the NIOSH Worker Well-Being Framework to Migrant and Seasonal Farmworkers: Insights From the Literature**

Tessa Bonney\*, Dana Madigan & Linda Forst  
\*University of Illinois Chicago, Chicago, Illinois, USA

### RESEARCH ARTICLE

#### **Association Between Perfluoroalkyl Substance (PFAS) Exposure and Nonalcoholic Fatty Liver Disease in Korean Adults: Results From the KoNEHS 2018–2020: A Cross-Sectional Study**

Jisuk Yun\* & Young-Sun Min  
\*University Cheonan Hospital, Cheonan, Korea

#### **The Impact of Employment Status, Income, and Occupation on the Association Between Workplace Benefits and Health-Related Work Absences**

Jim P. Stimpson\*, Jessica Billig, Tami Gurley, Joshua M. Liao  
\*University of Texas Southwestern Medical Center, USA

## **The Effects of Body Cooling Strategies on Physiological and Performance Outcomes During Simulated Occupational Work in the Heat**

Cecilia E. Kaufman\*, Margaret C. Morrissey-Basler & Douglas J. Casa

\*University of Connecticut, Storrs, Connecticut, USA

## **Burden of Selected Chronic Conditions Among Adults of Prime Working Age (25–54) by 2022 Self-Reported COVID-19 and Long COVID History Compared to 2019 Pre-Pandemic Baseline Prevalence: Behavioral Risk Factor Surveillance System**

Sharon R. Silver\*, Jia Li & Sharon H. Saydah

\*Health Informatics Branch, Cincinnati, Ohio, USA

## **Sick Leave and Its Associated Factors Among Pregnant Working Women in Egypt**

Asmaa El-Sayed Awaad\*, Abdel-Hady El-Gilany & Radwa Sehsah

\*Mansoura University, Mansoura, Egypt

## **BRIEF REPORT**

### **Psychological Well-Being of US Educators Remains a Post-Pandemic Concern: Findings From a Cross-Sectional Study**

Jennifer M. Cavallari\*, Sierra M. Trudel & Alicia G. Dugan

\*UConn School of Medicine, Farmington, Connecticut, USA

## **Volume 68, Issue 8 August 2025**

## **COMMENTARY**

### **Social and Labor Policies or Programs as Structural Determinants of Occupational Heat Vulnerability**

Leah H. Schinasi\* Claire Moore & Alina Schnake-Mahl

\*Drexel University, USA

## **REVIEW ARTICLE**

### **Occupational Benzene Exposure and Risk of Male Genital Cancers: A Systematic Review and Meta-Analysis**

Alessandro Godono\*, Andrea Quattrocolo & Monireh Sadat Seyyedsalehi

\*University of Torino, Italy

## **RESEARCH ARTICLE**

### **Substance Use Right Before or During Work Among the Young US Workers: Evidence From the National Longitudinal Survey of Youth 1997 Cohort**

Sehun Oh\*, Daejun Park & Sarah Al-Hashemi

\*The Ohio State University, USA

## **Medical Surveillance of Occupational Lead Exposure Using the EPA's Toxics Release Inventory and Adult Blood Lead Epidemiology and Surveillance Program: Illinois, 2016–2023**

Chibuzor Abasilim\*, Brett Shannon & Lee S. Friedman

\*University of Wisconsin-Milwaukee, USA

## **A Work Systems Hierarchy of Controls: Analysis of Risk Controls Developed by Paramedics**

Karen Davies\*, Victoria Weale & Jodi Oakman

\*La Trobe University, Australia

## **Risk of Mortality From Esophageal Cancer Among US Poultry Workers, 1950–2019**

Leanna Delhey\*, Christina Joshua & Wendy Nembhard

\*University of Arkansas for Medical Sciences, USA

## **LETTER TO THE EDITOR**

### **Expanding Perspectives on Long COVID: Multisystem Outcomes, Socioeconomic Factors, and Occupational Implications**

Chien-Liang Lai\*, Lien-Chung Wei & Hsien-Jane Chiu

\*Ministry of Health and Welfare, Taiwan

## **Volume 68, Issue 9**

## **September 2025**

## **REVIEW ARTICLE**

### **Platform-Mediated Gig Work and Health: A Scoping Review**

Claire E. Margerison\*, Grace E. Joachim & Candice Y. Johnson

\*Michigan State University, USA

## **RESEARCH ARTICLE**

### **COVID-19 Vaccine Hesitancy and Uptake Among California Workers in 2020–2022**

Kathleen Garvey\* & Ximena Vergara

\*Public Health Institute, USA

### **Stress, Health, and Injury Among Illinois Farmers**

Josie M. Rudolphi\*, Salah Issa & Kaleigh Barnett

\*University of Illinois Urbana-Champaign, USA

### **Mortality and Cancer Incidence After Exposure to Blue Asbestos in Childhood: A Further 10 Years of Follow-Up**

Renee N. Carey\*, Alison Reid & Peter Franklin

\*University of Western Australia, Australia

### **Incidence of Cancer Due to Exposure to Ionizing Radiation: A Cohort of Nuclear Sector Workers in the City of São Paulo**

Glacy Sabra Vieira\* & Maria Carmen Martinez

\*Nuclear and Energy Research Institute IPEN/CNEN, Brazil

## **Impact of Extreme Bushfires on Occupational Injury and Disease Claims in the Nonemergency Response Labor Force**

Win Wah\*, Janneke Berecki-Gisolf & Karen Walker-Bone

\*Nursing and Health Sciences, Australia

## **Associations Between US High School Student and Parental Job Loss During the COVID-19 Pandemic and Adverse Mental Health Outcomes, Short Sleep, and Abuse by a Household Adult**

Taylor M. Shockey\*, Sharon R. Silver & Jonetta J. Mpofu

\*National Institute for Occupational Safety and Health, USA

## **BRIEF REPORT**

## **Influence of Sex on Whole-Body Heat Exchange Following Cold Beverage Ingestion During Work–Rest Cycles in the Heat**

Brodie J. Richards\*, Fergus K. O'Connor & Glen P. Kenny

\*University of Ottawa, Canada

## **Volume 68**

**Issue 10 October 2025**

## **RESEARCH ARTICLE**

## **Biomarkers of Kidney Function and Injury Across Fire Seasons and During a Mid-Season Fire Incident in the Wildland Firefighter Exposure and Health Effect (WFFEHE) Study**

Lynne E. Pinkerton\*, Sara E. Luckhaupt & Christa R. Hale

\*Division of Field Studies and Engineering, USA

## **Ethylene Oxide Measurements From OSHA Workplace Investigations: Patterns in Exposure by Industry, Occupation, and Over Time**

Brian Christensen\*, Matthew M. Dahm, Kaitlin Kelly-Reif

\*National Institute for Occupational Health and Health (NIOSH), USA

## **Cow-Related Injuries in Wisconsin During 2017–2023**

Komi K. S. Modji\*, Katherine McCoy & Sheryl Bedno

\*University of Wisconsin, Madison, USA

## **Silica Hazards in Engineered Stone Countertop Production: Worker Experiences and Challenges in Los Angeles**

Jane C. Fazio\*, Sandra R. Garcia & Beth Glenn

\*University of California, USA

## **Citizenship Status and the Family and Medical Leave Act: Examining Inequities in Eligibility Among Hispanic Workers**

Susana Quirós\* & Mansoo Yu

\*University of Missouri, Columbia, USA

### **Clearing the Air: A Pilot Study of Ventilation Interventions in New York City Nail Salons**

Rachel L. Thompson\*, A. Michael Ierardi & Brian Pavilonis

\*City University of New York Graduate School of Public Health and Health Policy (CUNY SPH), USA

### **Employment Status, Work Limitations, Cognitive Dysfunction, and Sickness Absenteeism Among US Adults With and Without Long COVID**

Nicole D. Ford\*, Alexandra F. Dalton & Sharon Saydah

\*National Center for Immunization and Respiratory Diseases, CDC, USA

### **COMMENTARY**

#### **AMWA's Commitment to Workplace Safety for Women Physicians: A Path Toward Equity and Protection**

Devki Patel\*, Meghan Etsey & Roberta Gebhard

\*Texas Tech University Health Sciences Center School of Medicine, USA

## **Volume 68**

## **Issue 11 November 2025**

### **COMMENTARY**

#### **Valley Fever Is an Occupational Illness: Let's Get the Data to Prevent It**

Juliana G. E. Bartels\*, Jennifer R. Head & Ellen A. Eisen

\*University of California, Berkeley, Berkeley, California, USA

### **RESEARCH ARTICLE**

#### **Defining Sex- and Age-Specific Initial Stay Times for Continuous Moderate-Intensity Work in Hot Environments Before Heat-Mitigation Controls Are Implemented – Part A**

Fergus K. O'Connor\*, Kristina-Marie T. Janetos & Glen P. Kenny

\*University of Ottawa, Ottawa, Ontario, Canada

#### **Defining Sex- and Age-Specific Initial Stay Times for Continuous Heavy-Intensity Work in Hot Environments Before Heat-Mitigation Controls Are Implemented—Part B**

Fergus K. O'Connor\*, Kristina-Marie T. Janetos & Glen P. Kenny

\*University of Ottawa, Ottawa, Ontario, Canada

#### **Landscape of Artificial Intelligence Use for Occupational Health and Safety Practice in Two Canadian Provinces**

Arif Jetha\*, Hyunmi Lee & Peter M. Smith

\*University of Toronto, Toronto, Canada

#### **Work Practices and Respirable Crystalline Silica Exposures in Stone Countertop Fabrication Shops**

Caitlin M. McGowan\*, Linda F. Cantley & Carrie A. Redlich

\*Yale School of Public Health, New Haven, Connecticut, USA

## **A Quantitative Analysis of Kurtosis Impact on Occupational Complex Noise-Induced Hearing Loss**

Wei Gong\*, David C. Byrne & H. Amy Feng

\*National Institute for Occupational Safety and Health, Ohio, USA

## **Critical Assessment of the Recommended Alert Limit Curves for Occupational Heat Exposure**

Hayden W. Hess, M. Jo Hite & Zachary J. Schlader

\*Indiana University School of Public Health, Bloomington, Indiana, USA

## **Is Work-Related Hearing Loss Associated With Dementia? Evidence From a High-Risk Population**

Marianne Cloeren\*, John Dement & Knut Ringen

\* University of Maryland, Baltimore, Maryland, USA

## **BRIEF REPORT**

### **Prevalence of Reduced Mid-Expiratory Flow Among Coal Workers' Health Surveillance Program Participants**

Laura Kurth\*, Noemi B. Hall & David J. Blackley

\*National Institute for Occupational Safety and Health, Morgantown, USA

## **Volume 68**

## **Issue 12 December 2025**

## **COMMENTARY**

### **Exposure Registries as a Prevention Tool for Occupational Cancers: Establishing a New Hazardous Drug Registry for Oncology Personnel**

Sammy Almashat\*, Matthew Horch & Melissa McDiarmid

\* University of Maryland School of Medicine, Baltimore, Maryland, USA

## **CASE REPORT**

### **Occupational Asthma to UV-Hardened Acrylate-Based Car Paint**

Hille Suojalehto\*, Saara Eskola & Katri Suuronen

\* Finnish Institute of Occupational Health, Helsinki, Finland

## **RESEARCH ARTICLE**

### **Sulfur Dioxide- and Fluoride-Associated Declines in Lung Function Over an 11-Year Observation Among Aluminum Smelter Workers**

Edite Macaringue Raja\*, Sujatha Hariparsad & Rajen N. Naidoo

\* University of KwaZulu-Natal, Durban, South Africa

### **Developing and Refining a Knowledge Assessment Instrument for Individuals Involved in Managing Occupational Heat Stress: Paper A**

Emily J. Tetzlaff\*, Bruce E. Oddson & Glen P. Kenny

\* University of Ottawa, Ottawa, Ontario, Canada

**An Evaluation of Health and Safety Personnel and Workers' Occupational Heat Stress Knowledge in Ontario: Paper B**

Emily J. Tetzlaff, Bruce E. Oddson & Glen P. Kenny

\* University of Ottawa, Ottawa, Ontario, Canada

**Prevalence of Overnight Work (1 a.m. to 5 a.m.) Among United States Workers**

Imelda S. Wong\*, Toni Alterman & I-Chen Chen

\* Government of British Columbia, Victoria, British Columbia, Canada

**Counting the Costs of Silicosis in Victoria, Australia, 2019–2024, With Projections to 2031**

Dunya Tomic\*, Ryan F. Hoy & Karen Walker-Bone

\* Monash University School of Public Health and Preventive Medicine, Australia

**Longitudinal Associations of Job Demand-Control Characteristics With Objective and Subjective Cognitive Outcomes in Older Workers: The Health and Retirement Study**

Megan Guardiano\*, Ross Andel & Jian Li

\* University of California, Los Angeles, USA



## **ERGONOMICS**

### **Volume 68, Issue 7 (2025)**

#### **RESEARCH ARTICLES**

##### **Caring for those who care: key challenges and improvement opportunities for health professionals working with children with disabilities**

Larissa Corrêa Manoela Manca\*, Andréa Regina Martins Fontes & Bruno Cesar Kawasaki

\*Federal University of São Carlos, Sorocaba, Brazil

##### **Decision support improves information integration and criterion placement in a multi-cue signal-identification task**

Jason S. McCarley\*, Matthew Knight & Kingsley Fletcher

\*Oregon State University, Corvallis, OR, USA

##### **Exploring driving behavioral characteristics in pre-, in-, and post-conflict stages based on car-following trajectory data**

Dan Wu\*, Jaeyoung Jay Lee, Ye Li & Jiuling Jin

\*Central South University, Changsha, Hunan, China

##### **A generic approach to developing human factors-quality assessment tools exemplified by the warehouse error prevention tool**

Azin Setayesh\*, Michael A. Greig & W. Patrick Neumann

\*Toronto Metropolitan University, Toronto, Canada

##### **Altered trunk-pelvis kinematics during load carriage with a compliant versus a rigid system**

Anders Lundervold\*, Matthew Ellison & Hannah Rice

\*Norwegian School of Sport Sciences, Oslo, Norway

##### **Effect of anteroposterior vibration frequency on the risk of lumbar injury in seated individuals**

Sheng-Jie Tang\*, Rui-Chun Dong & Pei-Biao Zhang

\*Shandong University of Technology, Zibo, PR China

### **Metabolic adaptation and related biomechanics in an ankle-based exoskeleton system during six sessions of steady state walking**

Joseph F. Seay\*, Clifford L. Hancock & Meghan P. O'Donovan

\*Development Command Soldier Center, Natick, MA, USA

### **The effects of working with a passive arm-support exoskeleton on objective and self-reported measures during field tasks – a randomised cross-over study**

Hilde M. Pentenga\*, Pieter Coenen & Erwin M. Speklé

\*Vrije Universiteit Amsterdam, Amsterdam, The Netherlands

### **Effects of font size, stroke, and background on the legibility of Chinese characters in virtual reality for the elderly**

Yumiao Chen\*, Gan Huang & Kaixuan Wang

\*East China University of Science and Technology, Shanghai, China

### **NLP-based ergonomics MSD risk root cause analysis and risk controls recommendation**

Pulkit Parikh\*, Julia Penfield & James Richard Mallon

\*Velocity EHS, Chicago, IL, USA

### **Exploring perceptions of pilot licensing and training standards: a survey of Canadian student and licensed pilots**

Syed A. Q. Rizvi\*, Bradley Moncion & Shi Cao

\*University of Waterloo, Waterloo, ON, Canada

## **Volume 68, Issue 8 (2025)**

### **RESEARCH ARTICLES**

#### **Information, assessment, or decision: a driving simulator study on the effect of real-time feedback based on information-processing stages**

Angèle Picco\*, Arjan Stuiver & Dick de Waard

\*University of Groningen, Groningen, The Netherlands

#### **The role of the community pharmacy work system in the enactment of pharmacists' non-technical skills**

Ahmed Ashour\*, Darren M. Ashcroft & Denham L. Phipps

\*The University of Manchester, Manchester, UK

#### **Validating self-reported driving behaviours as determinants of real-world driving speeds**

Pete Thomas\*, Ruth Welsh & Steve Reed

\*Loughborough University, Loughborough, UK

#### **The effects of target sizes on biomechanical and cognitive load and task performance of virtual reality interactions**

Kiana Kia\*, Jaejin Hwang & Jeong Ho Kim

\*Oregon State University, Corvallis, OR

#### **The impact of knitted linked seams on comfort and friction perception**

Mevra Temel\*, Eleanor Scott & Andrew A. Johnson

\*Abdullah Gul University, Kayseri, Turkiye

**A systems approach to managing the risk of healthcare acquired infection in an acute hospital setting supported by human factors ergonomics, data science, data governance and AI**

Marie E. Ward\*, Una Geary & Nick McDonald

\* St James's Hospital, Dublin, Ireland

**The effect of weapon handling during load carriage across a range of military-relevant walking speeds**

Danielle M. Vickery-Howe\*, Jace R. Drain & Kane J. Middleton

\* Oregon State University, Corvallis, OR

**The effects of different interruption conditions on mental workload: an experimental study based on multimodal measurements**

Haizhe Jin\*, Liyuan Liu & Yinan Zhao

\*Northeastern University, Shenyang, China

**Critical success factors for ergonomics programs and their relationship to benefits of health and safety in Mexico's manufacturing industries**

Julio César Ramos-Rodríguez\*, Aide Aracely Maldonado-Macías & César Omar Balderrama-Armendáriz

\*Autonomous University of Ciudad Juarez, Ciudad Juarez, Mexico

**Movement and positioning of a virtual cuboid in 3d space in an augmented reality environment**

Yu-Hui Ho, Kai Way Li & Lu Peng

\*Chung Hua University, Hsinchu, Taiwan

**Assessing advanced driver assistance systems in police vehicles under demanding conditions**

Farzaneh Shahini\*, Vanessa Nasr & Maryam Zahabi

\* Federal Aviation Administration, Oklahoma City, OK, USA

**Examining flight time, cognitive reflection, workload, stress and metacognition on decision making performance for pilots during flight simulation**

Aoife Mohan\*, Boban Simonovic & Edward Stupple

\*University of Derby, UK

**Volume 68, Issue 9 (2025)**

**RESEARCH ARTICLES**

**The effects of shoulder morphology on the distribution of shoulder pressure during load carriage**

Yanyang Dai\*, Jian Li, Wen Cui & Jun Li

\* Donghua University, Shanghai, China

**Exploring e-scooter riders' risky behaviour: survey, observation, and interview study**

Young Woo Kim\*, Seul Chan Lee & Sol Hee Yoon

\*Gyeongsang National University, Jinju, South Korea

**Gesture centric interaction: evaluating hand and head gestures in touchless cursor control**

B. Thushara\*, V. Adithya & N. S. Sreekanth

\*Kannur University, Kannur, Kerala, India

## REVIEW ARTICLE

### **Effect of exoskeleton devices on work-related musculoskeletal disorders (WMSDs) among healthcare workers: a scoping review**

Grace Gao\*, Billy C. L. So & Shamay S. M. Ng

\*The Hong Kong Polytechnic University, Hong Kong, China

### **Actionable insights for human factors and ergonomics to achieve the Sustainable Development Goals: mapping past advancements and proposing future strategic paths**

Tiago F. A. C. Sigahi\*, Andrew Thatcher & Rosley Anholon

\*State University of Campinas, Campinas, Brazil

### **Tomorrow's demons: a scoping review of the risks associated with emerging technologies**

Paul M. Salmon\*, Brandon J. King & Gemma J.M. Read

\*University of the Sunshine Coast, Sunshine Coast, Queensland, Australia

## RESEARCH ARTICLES

### **Impact of a 6-month sit-stand desk-based intervention on regional musculoskeletal discomfort and overall post-work fatigue in office workers: a cluster randomised controlled trial**

Hélio Silva\*, Pedro G. F. Ramos & Pedro B. Júdice

\*Universidade Lusófona, Lisboa, Portugal

### **Investigating mental workload across task modalities: a multimodal analysis using pupillometry**

Snehal Dhengre\* & Ling Rothrock

\*The Pennsylvania State University, State College, USA

### **Exploring alignments between design principles and work unit needs in activity-based flexible offices: a case study**

Melina Forooraghi\*, Annemarie Hultberg & Maral Babapour Chafi

\*Region Västra Götaland, Gothenburg, Sweden

### **Detecting event-related driving anger with facial features captured by smartphones**

Yi Wang, Xin Zhou, Yang Yang & Wei Zhang

\*Department of Industrial Engineering, Tsinghua University, Beijing, China

### **Development and evaluation of a novel self-contained breathing apparatus pack to reduce musculoskeletal loads and enhance firefighter comfort**

Bing Xie & Junxia Zhang

\*Tianjin University of Science and Technology, Tianjin, China

### **Evaluating the use of systems thinking methods in healthcare: a RE-AIM analysis of AcciMap and Net-HARMS**

Linda McCormack\*, Michael Tresillian & Paul M. Salmon

\*University of the Sunshine Coast, Sippy Downs, Australia

## Volume 68, Issue 10 (2025)

### REVIEW ARTICLE

#### Observational methods for the analysis of biomechanical exposure in the workplace: a systematic review

Daniela Pereira Valentim\*, Maria Luiza Caires Comper & Rosimeire Simprini Padula

\*Universidade Cidade de São Paulo, São Paul, Brazil

### RESEARCH ARTICLES

#### Ergonomic interventions in Kalamkari block printing: addressing challenges and preserving tradition

Thadepalli Srivani\* & Sundarvel Amsamani

\*National Institute of Fashion Technology, Hyderabad, Telangana, India

#### Pain in the upper back is prevailing more than pain in the lower back amongst workers of building construction; a cohort study

Madiha Ijaz\*, Muhammad Akram & Sajid Rashid Ahmad

\*University of the Punjab, Lahore, Pakistan

#### Divergence in situation awareness and workload

Mica R. Endsley\*, Jordan Dixon & Avi Pfeffer

\*SA Technologies, Gold Canyon, Arizona, USA

#### An examination of scene complexity's role in cybersickness

Mohammadamin Sanaei\*, Stephen B. Gilbert & Jonathan W. Kelly

\*Iowa State University, Ames, Iowa, USA

#### How difficult is it perceived to takeover in a level 3 automated vehicle? Investigation of the ease of use according to task and situational factors

Sharon Ouddiz\* & Céline Lemercier

\*University of Toulouse - Jean Jaurès, Toulouse, France

#### Development and validation of e-scooter riding behavior questionnaire (ERBQ) among Korean riders

Tiju Baby\*, Sol Hee Yoon & Seul Chan Lee

\*Hanyang University ERICA, Ansansi, Republic of Korea

#### The relationship between circadian type and physical activity as predictors of sleepiness and fatigue during simulated nightshifts: a randomised controlled trial

Dayna F. Easton\*, Charlotte C. Gupta & Sally A. Ferguson

\*Central Queensland University, Wayville, SA, Australia

#### Daily stress detection from real-life speeches using acoustic and semantic information

Peixian Lu\*, Liuxing Tsao & Liang Ma

\*Tsinghua University, Beijing, P.R. China

#### Auto-AzKNIOSH: an automatic NIOSH evaluation with Azure Kinect coupled with task recognition

Francesco Lolli\*, Antonio Maria Coruzzolo & Fabio Sgarbossa

\*University of Modena and Reggio Emilia, Reggio Emilia, Italy

### **Polite AI mitigates user susceptibility to AI hallucinations**

Richard Pak\*, Ericka Rovira & Anne McLaughlin

\* Clemson University, Clemson, SC, USA

### **A comprehensive study on impact of noise exposure on roadside school childrens' cognitive performance**

Avnish Shukla\*, Bhaven N. Tandel & Harshil R. Patel

\*National Institute of Technology, Surat, India

## **Volume 68, Issue 11 (2025)**

### **REVIEW ARTICLE**

#### **Social interactions between automated vehicles and human drivers: a narrative review**

Peng Liu\*

\* Zhejiang University, China

### **RESEARCH ARTICLES**

#### **Enhancing ergonomics in E-waste disassembly: the impact of collaborative robotics on muscle activation and coordination**

Xiangrui Wang\*, Nicolas S. Grimaldi, Minghui Zheng, Sara Behdad, Chizhao Yang & Boyi Hu

\* West Virginia University, USA

#### **Vibration discomfort of supine human body exposed to whole-body vibration: effect of vibration direction and magnitude**

Deping Wang, Chi Liu, Chenxu Chen, Jianjiao Deng, Xu Zheng, Yi Qiu & Marco Tarabini

\*General R&D Institute of China FAW Group Co., China

#### **Design and regulation as a chain of determinants in the emergence of pesticide exposure situations during the use of sprayers**

Marion Albert, Louis Gale, Nathalie Judon, Alexandre Charbonneau & Alain Garrigou

\*University of South Brittany, France

#### **Advantage of remote workstation and job performance: the impact of worktime autonomy and remote work intensity**

Simone Donati\*, Ferdinando Toscano & Salvatore Zappalà

\*University of Bologna, Bologna, Cesena, Italy

#### **Exploring the influential factors of initial trust in autonomous cars**

Minhui Yuan\* & Ruifeng Yu

\*Tsinghua University, Beijing, China

#### **The effects of layout types, visual features and text labels on icon visual search performance**

Li Deng\* & Ruiying Liu

\*Universidade Lusófona, Lisboa, Portugal

### **Longitudinal analysis of sitting time and impact on wellbeing and quality-of-life of sedentary workers**

Sabrina C. Teno\*, Marlene N. Silva, Hélio Silva & Pedro B. Júdeice  
\*Universidade Lusófona, Lisboa, Portugal

### **How does drivers' attention change when using a two-stage warning system? Effects of expectation and cognitive load**

Yanglin Shen\*, Jiajun Li, Zhen Yang & Shu Ma  
\*Zhejiang Sci-Tech University, Hangzhou, China

### **Why do we not want to work onboard? An explanation of generational changes in seafarers' work values**

Guofang Liu\*, Huiting Li & Jun Yu  
\*Shanghai Maritime University, Shanghai, China

### **Equivalent contact temperature (ECT) for personal comfort assessment – definition of comfort limits for winter conditions**

Alexander Warthmann\*, Marc Syndicus & Christoph van Treeck  
\*RWTH Aachen University, Aachen, Germany

### **2D versus 3D aviation weather visualisations**

Adrian Sarbach\*, Tiffany C.K. Kwok, Peter Kiefer & Martin Raubal  
\*Institute of Cartography and Geoinformation, Switzerland

## **Volume 68, Issue 12 (2025)**

### **RESEARCH ARTICLES**

#### **Optimisation of floor evacuation map based on drive design**

Huimin Liao\*, Kexin Zheng & Jiazheng Yi  
\*Central South University, Changsha, China

#### **Evaluating the impact of weight and center of mass on comfort in head-mounted displays**

Yupei Zhang\*, Yuanyuan Bu & Pingping Niu  
\*Shandong University, Jinan, China

#### **Effects of an occupational soft-back exoskeleton during order picking: a field study in logistics**

Clement Thevenot\*, Xavier Pierre & Guillaume Mornieux  
\*Université de Lorraine, Nancy, France

#### **Measuring physical demand in Augmented Reality learning environments**

Varun Pulipati\*, Jung Hyup Kim & Kangwon Seo  
\* University of Missouri, Columbia, MO, USA

#### **Low-cost 3D human body reconstruction under limited views and girth measurement for the apparel customisation**

Ruibing Lin\*, Hainan Zong & Sumin Ge  
\*Zhejiang Sci-Tech University, Hangzhou, Zhejiang, China

### **An experimental comparison on the effectiveness of various levels of simulator fidelity on ab initio pilot training**

Naomi Paul\*, Bradley Moncion & Shi Cao

\*University of Waterloo, Waterloo, Canada

### **EEG-based neural activity for decoding situation awareness at different levels**

Qianlan Wu\*, Na Chen & Pei-Luen Patrick Rau

\*Beijing University of Chemical Technology, Beijing, China

### **Leveraging Ergonomics and Human Factors (E/HF) for community impact: what have we learned about how to make a difference**

Hanna J. Barton\*, Maurita T. Harris & Rupa S. Valdez

\* University of Wisconsin - Madison, Madison, WI, USA

### **The use of muscle activity measures in combat shooting assessments**

Jemma L. Coleman\*, Jodie A. McClelland & Kane J. Middleton

\*La Trobe University, Melbourne, Australia

### **Effects of false alarms and miscues of decision support systems on human-machine system performance: a study with airport security screeners**

David Huegli\*, Alain Chavaille & Adrian Schwaninger

\*University of Fribourg, Fribourg, Switzerland

### **On face value: a ghost driver field study investigating interactions between pedestrians and a driverless vehicle with anthropomorphic displays**

David R. Large\*, Catherine Harvey & Gary Burnett

\*University Park, Nottingham, United Kingdom

### **The potential of dynamic plants for attention and stress recovery in indoor environment**

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\*The Design Department, at ETS, Montréal, Canada

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\*East and North Hertfordshire NHS Trust, UK

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\*The State University of New York, Buffalo, NY, USA

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\*Epidemiology and Analysis, Defense Health Agency, USA

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\*National Institute of Occupational Safety and Health, Japan

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\*Danish Cancer Institute, Danish Cancer Society, Denmark

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\*University of Queensland, Brisbane, Australia

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\* University Medical Centre of the Johannes Gutenberg University, Germany

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\*University of Zurich, Zurich, Switzerland

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\*The Danish Cancer Institute, Denmark

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\* University of Groningen, University Medical Center Groningen, The Netherlands

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\*Department of Research for Occupational Health, Republic of Korea

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\*Umeå University, Sweden

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\*Work Research Institute, OsloMet, Oslo, Norway

**Thyrototoxic effects of organophosphate insecticides in adults: a bibliometric and meta-analysis**

**Massira Ousseni Diawara**

Gaoju Pan\* & Yankai Xia

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**ORIGINAL ARTICLE**

**The relationship between workplace risk assessments and measures to manage psychosocial risks at work: findings from ESENER**

David Beck\*, Morten Wahrendorf & Thorsten Lunau

\*Federal Institute for Occupational Safety and Health (BAuA), Berlin, Germany

**Identifying contributory risk factors for neck pain in fast jet aircrew: a prospective cohort study**

James B. Wallace\*, Peter G. Osmotherly & Phil M. Newman

\*University of Canberra, Australia

**Reduced lung function among non-smoking workers in the paper industry in Ethiopia: a comparative cross-sectional study**

Ararso Tafese\*, Bente E. Moen & Magne Bråtveit

\*Addis Ababa University, Ethiopia

**Air pollution and depression symptoms in middle-aged and older adults in Los Angeles County**

Nicole M. Gatto\*, Marian Ramzy & Wendy J. Mack

\*University of Southern California, USA

**Occupational hazards in veterinary practice: a 15-year review of Türkiye's official injury and disease data (2008–2023)**

Ahmet Çabuk\*

\*Karabük University, Karabük, Turkey

**The role of personal risk factors in the occurrence of the hand-arm vibration syndrome: a pooled analysis of individual data from Italian cross-sectional and cohort studies**

Massimo Bovenzi\*, Federico Ronchese & Marco Tarabini

\*University of Trieste, Italy

**Correction: Association between shift/night work and irregular periods and period pain among two cohorts of Australian women 16 years apart: findings from the Australian longitudinal study on women's health**

Biresaw Wassihun\*, Alemu Michael Waller & Leigh R. Tooth

\*University of Queensland, Brisbane, Australia

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**REVIEW**

**Shift work and metabolic dysfunction-associated steatotic liver disease: a systematic review of observational studies**

Bingya Ma\*, Yihang Fan & Wenjun Fan

\* University of California, Irvine, Irvine, CA, USA

**ORIGINAL ARTICLE**

**Noise-induced hearing impairments in Iranian airlines pilots: risk factors and occupational comparisons**

Asghar Akhavan\*, Mahdieh Hasanlifard & Reyhaneh Abolghasemi

\*Baqiyatallah University of Medical Sciences, Iran

**Work-related risk factors of sleep apnea: evidence from the Korean work, sleep, and health study**

Heejoo Ko\*, Seong-Sik Cho & Mo-Yeol Kang

\*The Catholic University of Korea, Seoul, Republic of Korea

**Time trend of urine metal levels in preschool children in the electronic waste recycling area and its association with hemoglobin levels**

Rongyi Kang\*, Jieting Chen & Xia Huo

\* Jinan University, Guangdong, China

**Pesticide exposure and health risk assessment in Durian farmers from Southern of Thailand**

Pattama Senthong\* & Sivasit Wittayasilp

\*Prince of Songkla University, Thailand

**Polychlorinated dibenzo-p-dioxins/dibenzofurans (PCDD/Fs) concentrations in the environment and blood of residents living near industrial waste incinerators in South Korea**

Mira Yoon\*, JunYoung Chang & Yong-Dae Kim

\* National Institute of Environmental Research, Republic of Korea

**Occupational exposure to nickel and cobalt and health symptoms among lithium-ion battery workers in Korea**

Yong Lim Won\*, Hwa-Yeon Lee & Dong-Hee Koh

\* Occupational Safety and Health Research Institute, Republic of Korea

**Linking health lifestyle classes to blue-collar workers' participation in worksite health promotion programs in freight transport: a latent class analysis**

Marc A. W. Damen\*, Sarah I. Detaille & Annet H. De Lange

\* Open Universiteit, Heerlen, The Netherlands

## **Associations between workplace aggression and subsequent mental distress and sick leave among home care workers**

Rigmor Harang Knutsen\*, Morten Birkeland Nielsen & Håkon A. Johannessen

\* National Institute for Occupational Health, Oslo, Norway

## **REVIEW**

### **A systematic review and meta-analysis of the effectiveness of work-focused interventions for employees with symptoms of depression, anxiety, and psychological distress**

Samineh Sanatkar\*, Rosie Lipscomb & Mark Deady

\* Black Dog Institute, UNSW Sydney, Randwick, Australia

### **An increased risk of spontaneous abortion, congenital anomalies, and stillbirth among women occupationally exposed to anaesthetic gases: a meta-analysis of observational studies**

Priya Kumar\*, Marie-Pascale Lehoucher-Michel & Mouloud Bouhadfane

\* Service de Médecine Et Santé Au Travail, Marseille, France

## **ORIGINAL ARTICLE**

### **Algorithmic management is associated with psychological distress, musculoskeletal pain, and occupational accidents: a cross-sectional study in logistics**

Karin Hennem Nilsson\*, Theo Bodin & Carin Håkansta

\* Karolinska Institutet, Torsplan, Stockholm, Sweden

### **Effectiveness of ergonomics training and exercise in tea workers: a randomized controlled trial**

İlayda Gür\*, Ömer Şevgin & Beyzanur Dikmen Hoşbaş

\* Üsküdar University, Istanbul, Turkey

### **Occupational noise exposure and its effects on hearing threshold shifts and otolithic vestibular functions in male workers**

Tzu-Yin Kuo & Chen-Wei Chang

\* Kaohsiung Municipal Ta-Tung Hospital, Taiwan

### **Repeated exposure to psychosocial work-related factors and arterial stiffness among aging workers**

Victoria Kubuta Massamba\*, Alain Milot & Xavier Trudel

\* Université Laval, Canada

### **Associations between parental shift work exposure and pregnancy outcomes: role of father's shift work status**

Chih-Fu Wei\*, Mei-Huei Chen & Pau-Chung Chen

\* National Taiwan University Hospital Yunlin Branch, Taiwan

### **Extreme temperatures, recent warming and seasonal influenza-linking human exposures to respiratory health in southern Germany**

Matteo Boser\*, Daria Luschkova & Maria P. Plaza

\* University of Augsburg and University Hospital of Augsburg, Germany

**Prevalence, subtypes, and risk factors of noise-Induced hearing loss in high-risk occupations: a cross-sectional study in Ningbo**

Fanfu Zeng\*, Xinning Gao & Shangshu Yan

\* Zhenhai District Center for Disease Control and Prevention, Zhejiang, China

**Air pollution and tuberculosis incidence in Vietnam: short- and long-term effects from a provincial-level study**

Minh Khac Nguyen\*, Tuyet Thi Nguyen & Ardeshir Sepehri

\* Thang Long University, Hanoi, Vietnam

**LETTER TO THE EDITOR**

**Beyond the numbers: rethinking evidence in pooled analyses of hand-arm vibration syndrome  
Muhammad Khubaib Iftikhar**

Abdullah Khan\*

\* Riphah International University, Rawalpindi, Pakistan



## **International Journal of Occupational Medicine and Environmental Health**

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### **REVIEW PAPER**

**Societal, occupational, and economic considerations for women with (M)INOCA: a narrative review**

Sasha Voznyuk\*, Emilie T. Théberge & Tara L. Sedlak

\*University of British Columbia, Vancouver, Canada

**A bibliometric analysis with data OpenAlex and mining methods of 41 525 abstracts of papers on the health impact of air pollution published between 1960 and 2022**

Bogdan Bochenek\*, Mateusz Jankowski & Mariusz Figurski

\*Warsaw, Poland (Centre of Numerical Weather Prediction)

### **ORIGINAL PAPER**

**Health effects of low-dose formaldehyde exposure: a cross-sectional study in occupational settings**

Hao-Yi Fan\*, Jhe-Ping Lin & Yu-Chung Tsao

\*Linkou Chang Gung Memorial Hospital, Taoyuan, Taiwan

### **Cardiac abnormalities induced by benzene exposure from the flaring disaster at the BP refinery plant in Texas City**

Mark A. D'Andrea\*, Nadish Garg & G. Kesava Reddy

\*University Cancer and Diagnostic Centers, USA

### **Effect of combined exposure to lead, mercury, and cadmium on hypertension: The 2008–2013 Korean National Health and Nutrition Examination Surveys**

Doh Hee Kim\*, Seunghee Lee & KyooSang Kim

\*Seoul Medical Center, Seoul, Republic of Korea (Department of Research Institute)

### **Male role norms and the prevalence of post-traumatic stress disorder symptoms among Polish male paramedics**

Magdalena Maja Sitko-Dominik\*, Tomasz Daniel Jakubowski & Eugenia Ewa Mandal

\*University of Silesia in Katowice, Poland

### **Cardio-cerebrovascular disease risk factors among male night-shift workers in South Korea: a comparative analysis of drivers and security guards**

Jung-Min Sung\*, Young Joong Kang & Eun-A Kim

\*Korea Occupational Safety and Health Agency, Republic of Korea

### **Metabolic syndrome prevalence and cardiovascular disease risk among school teachers**

Mona Abdallah Ramadan\*, Aisha Safwat Saif Eldeen & Basma Hussein Mourad

\*Cairo University, Cairo, Egypt

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### **ORIGINAL PAPER**

#### **Effect of participatory ergonomics program on reducing ergonomic risk factors among the aging workers on ginger peelers in Wat Puranawas community, Thailand**

Surachart Thongchoomsin\*, Supatida Sorasak Siangchin & Phichaya Baramee

\*Mahidol University, Nakhon Pathom, Thailand

#### **Trust in the organization as a mediator in the relationship of good organizational context with employee well-being**

Agnieszka Czerw\*, Damian Grabowski & Katarzyna Stapor

\*SWPS University, Warsaw, Poland

#### **Burnout and fatigue and the employment of nurses in several workplaces: a cross-sectional study**

Klaudia Dubis, Angelika Korzeń & Iwona Malinowska-Lipień

\*Jagiellonian University – Medical College, Kraków, Poland

#### **Environmental exposure-related health worries, work ability and health, surveyed by occupational health services**

Minna Majuri\*, Aki Vuokko & Markku Sainio

\*University of Helsinki, Helsinki, Finland

### **Factors influencing COVID-19 vaccine decision: What attitudes can we expect from young Poles in the future? A cross-sectional, representative survey**

Aneta Tomaszewska, Barbara Bałan & Bolesław Samoliński

\*Medical University of Warsaw, Warsaw, Poland

### **Effect of unmanned aerial vehicle mission difficulty level on pilot's autonomic nervous system**

Przemysław Wojciechowski\*, Konrad Wojtowicz & Jan Błaszczuk

\*Military University Of Technology, Warsaw, Poland

### **Relationship between self-compassion, assertiveness at work and job satisfaction among teachers**

Iga Komorowska\*, Dagna Kocur & Aleksandra Żenda

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### **Body image perception and dieting among “screenagers” in Poland**

Anna Dzielska\*, Joanna Mazur & Dorota Kleszczewska

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### **REVIEW PAPER**

#### **Occupational vulnerability profiles in the Polish workforce: a narrative review of AVEM-based research**

Wiktoria Warchałowska\*, Ivana Mašková & Dana Buršíková

\*Medical University of Gdańsk, Poland

#### **Management of acute intoxication with carbon monoxide – Polish Medical Society, Section of Clinical Toxicology position statement**

Jacek Anand\*, Natalia Pawlas & Jacek Kot

\*Medical University of Gdańsk, Poland

#### **Caffeine consumption as a potential risk factor of osteoporosis development among night shift workers: epidemiological evidences and hypothesis**

Agnieszka Bukowska-Damska\*, Joanna Jurewicz & Ewa Jabłońska

\*Medical University of Lodz, Poland

### **ORIGINAL PAPER**

#### **Mental health and work ability of female kindergarten teachers in Germany and Ukraine and their relationship with individual work-related behaviors**

Sabine Darius\*, Angela Sommer & Irina Böckelmann

\*Otto-von-Guericke-University, Germany

#### **Parental influence and multiple nicotine product use patterns among adolescents: a cross-sectional study of family context and e-cigarette use**

Karolina Zajdel\*, Anna Merecz-Sadowska & Dorota Kaleta

\*Medical University of Łódź, Poland

### **Relationship between job stress and burnout among Korean workers in small and medium-sized enterprises**

Ji-Hoon Kim\*, Shin-Goo Park & Sang-Hee Hwang

\*Inha University College of Medicine, South Korea

### **Factors associated with respiratory symptoms in communities living near to and away from the railway used for coal transportation in La Guajira, Colombia**

Jeannette Liliana Amaya-Lara\*, Jesús Rodríguez-García & Marino Mauricio Mejía-Rocha

\*Pontificia Universidad Javeriana, Colombia

### **Individual interventions to reduce nighttime light exposure in a representative sample of adults aged 18–64 years in Poland**

Radosław Sierpiński\*, Mateusz Jankowski & Filip Raciborski

\*Cardinal Stefan Wyszyński University, Poland

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#### **Mapping the factors of loneliness in older adults: the role of employment and work activity – a scoping review**

Katarzyna Domosławska-Żylińska\*, Magdalena Łopatek & Dominik Olejniczak

\*National Institute of Public Health NIH – National Research Institute, Warsaw, Poland

### **ORIGINAL PAPER**

#### **The relationship between employee motivation and professional burnout among nurses in Germany: an analytical study**

Katarzyna Swakowska\*, Dominik Olejniczak & Anna Staniszevska

\*Medical University of Warsaw, Warsaw, Poland

#### **Violence from patients and visitors in the emergency department – reporting of aggression by medical staff**

Anna Małgorzata Burak\*, Ewa Teresa Kamińska & Przemysław Żuratyński

\*Nicolaus Copernicus University in Toruń, Toruń, Poland

#### **Effects of COVID-19 disinfection recommendations on microbial environment contamination: focus on emergency physicians' stethoscopes and smartphones**

Prabakar Vaittinada Ayar\*, Angèle Cassagne & Matthieu Gay

\*Beaujon Hospital AP-HP, Clichy, France (

#### **Cardiovascular risk factors in diabetic internet users – comparative analysis**

Bartosz G. Trzeciak\*, Piotr Gutknecht & Janusz Siebert

\*Medical University of Gdańsk, Gdańsk, Poland

#### **Age-based stereotype threat and intention to work beyond retirement age: testing the indirect effect through stress**

Zofia Mockała\*, Sylwia Bedyńska & Dorota Żołnierczyk-Zreda

\*Central Institute for Labour Protection – National Research Institute, Warsaw, Poland

**Post-stroke risk stratification in primary care: implications for occupational and preventive medicine**

Piotr Gutknecht\*, Bartosz G. Trzeciak & Janusz Siebert

\*Medical University of Gdańsk, Gdańsk, Poland

**Barriers to mental health treatment in Polish employer-based health plans: insurance limitations and policy gaps**

Agata Olearczyk Kuba Sękowski & Andrzej Silczuk

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## Journal of Occupational Health

Volume 67, Issue 1 January/December 2025

### ORIGINAL ARTICLES

#### Association of work–family conflict with psychological distress and mental disorder among Japanese working women

Sutharat Chamnanchang\*, Tomohiro Ishimaru, Yoshihisa Fujino, for the HERLIFE study  
\*Burapha University, Chonburi, Thailand

#### Effects of a smartphone-based stress management program on work performance, sick leave, and intention to leave among nurses during COVID-19 in Vietnam and Thailand: an analysis of secondary outcomes of a randomized controlled trial

Asuka Sakuraya\*, Thuy Thi Thu Tran & Norito Kawakami  
\*The University of Tokyo, Tokyo, Japan

#### Association between sedentary behavior and sleep quality among urban white-collar workers with or at risk of metabolic syndrome: a secondary analysis of a randomized 3-month workplace lifestyle intervention trial

Yuichi Ishikawa\*, Thomas Svensson & Akiko Kishi Svensson  
\*University of Occupational and Environmental Health, Japan

#### A method for simultaneously determining both the inhalable fraction and vapor concentration to assess worker exposure to tri-n-butyl phosphate

Akito Takeuchi\*, Ai Yamada & Ginji Endo  
\*Japan Occupational Health Research and Development Center

### **The relationship between air lead and blood lead in a modern US lead-acid battery facility: a longitudinal study**

Wenchao Li\*, Jiayang Chien & Joel M Cohen

\*Gradient, One Beacon St, United States

### **Development of the Job-Related Uncertainty Stress Scale for Platform Workers**

Yonglin Zheng\*, Francis Cheung & Dan Wu

\*Shenzhen University, China

### **Application of machine learning for detecting high fall risk in middle-aged workers using video-based analysis of the first 3 steps**

Naoki Sakane\*, Ken Yamauchi & Junichi Hozumi

\*National Hospital Organization Kyoto Medical Center, Japan

### **How many truck drivers have sleep disorders? Investigation of the effects of lifestyle and stress on insomnia among Japanese male truck drivers**

Ryoya Aoki\*, Takashi Miyachi & Kyoko Nomura

\*Akita University Graduate School of Medicine, Japan

### **Association between health literacy and behaviors among shift workers: an observational cross-sectional study with mediation analysis**

Yuko Morikawa\*, Keiko Teranishi & Hideaki Nakagawa

\*Kanazawa Medical University, Kahoku-gun, Japan

### **Comparison of lung disorders following intratracheal instillation of polystyrene microplastics with different surface functional groups**

Taisuke Tomonaga\*, Hidenori Higashi & Yasuo Morimoto

\*University of Occupational and Environmental Health Japan, Japan

### **Demographic and work-related correlates of general and workplace loneliness among employees in Japan: a large-scale descriptive cross-sectional study**

Norito Kawakami\*, Akihito Shimazu & Akizumi Tsutsumi

\*The University of Tokyo, Bunkyo-ku, Tokyo, Japan

### **What makes reversal: examining the moderating effect of being a state functionary on occupational status and depression among middle-aged and older people in China**

Haoran Li\*, Tao Xie & Ying Mao

\*Xi'an Jiaotong University, Xi'an, China

### **Increased risk of proximal tubular dysfunction due to occupational cadmium exposure: a survival analysis study**

Kento Hoshino\*, Satoko Iwasawa & Masashi Tsunoda

\*National Defense Medical College, Saitama, Japan

### **Multicomponent occupational lifestyle intervention to improve physical activity, musculoskeletal health, and work environment among Japanese teleworkers (TELEWORK study): protocol for a cluster randomized controlled trial**

Aya Wada\*, Jihoon Kim & Yuko Kai

\*Physical Fitness Research Institute, Japan

### **Relationship between days of work and presenteeism, and mediation of this relationship by fatigue among disaster responders**

Inn-Kynn Khaing\*, Odgerel Chimed-Ochir & Tatsuhiko Kubo  
\*Hiroshima University, Japan

### **Effect of perceived workplace health support on absenteeism and presenteeism among Japanese workers: a prospective cohort study**

Kazushirou Kurogi\*, Kazunori Ikegami & Akira Ogami  
\*University of Occupational and Environmental Health, Kitakyushu, Japan

### **Suicide deaths by occupation skill level and educational attainment in the United States**

Erick Messias\*, Enoch K Azasu & Richard Grucza  
\*Saint Louis University School of Medicine, United States

### **Techno-strain and techno-insecurity are associated with poor mental well-being in specific age and occupation groups**

Hang-Ju Yang\*, Yawen Cheng, Wan-Ju Cheng  
\*Department of Emergency Medicine, Taiwan

### **Workplace loneliness and job turnover: a 6-month prospective study**

Natsu Sasaki\*, Kanami Tsuno & Norito Kawakami  
\*The University of Tokyo, Japan

## **INVITED MINI-REVIEW**

### **Occupational cholangiocarcinoma incident**

Shinji Kumagai\*  
\*University of Occupational and Environmental Health, Japan

### **Decoding the molecular enigma behind asbestos and fibrous nanomaterial-induced carcinogenesis**

Shinya Toyokuni\* & Yingyi Kong  
\*Nagoya University Graduate School of Medicine, Japan

### **Effects of engineered nanomaterials on the cardiovascular system**

Sahoko Ichihara\*  
\*Jichi Medical University School of Medicine, Japan

### **Mini-review: occupational health topics series on the effects of chemicals. Occupational cholangiocarcinoma incident**

Shinji Kumagai\*  
\* University of Occupational and Environmental Health, Japan

### **Adverse effects of nanoparticles on humans**

Yasuo Morimoto\*, Hiroto Izumi & Hidenori Higashi  
\*University of Occupational and Environmental Health, Japan

### **Oxidative and nitrative DNA damage induced by industrial chemicals in relation to carcinogenesis**

Yusuke Hiraku\*  
\*University of Fukui School of Medical Science, Japan

### **Neuro-reproductive toxicity and carcinogenicity of 1-bromopropane: studies for evidence-based preventive medicine**

Gaku Ichihara\*

\*Tokyo University of Science, Japan

### **Occupational health topics series on the effects of chemicals: epidemiological and toxicological risk assessments of ortho-toluidine for bladder cancer**

Makiko Nakano\*, Min Gi & Toru Takebayashi

\*National Institute of Occupational Safety and Health, Japan

### **Epidemiological and toxicological risk assessments of ortho-toluidine for bladder cancer**

Makiko Nakano\*, Min Gi & Toru Takebayashi

\* Keio University School of Medicine, Tokyo, Japan

### **Health effects of indium compounds in animal experiments**

Akiyo Tanaka\*

\*Kyushu University, Fukuoka, Japan

### **Carcinogenicity assessment: “modern toxicology” considerations from experience in the evaluation of a carbon nanotube**

Jun Kanno\*

\*National Institute of Health Sciences, Japan

### **Health risks of N,N-dimethylacetamide (DMAC) in humans**

Tetsuo Nomiyama\*, Teruomi Tsukahara & Kohei Hasegawa

\*Shinshu University School of Medicine, Japan

## **REVIEW ARTICLES**

### **Work-related musculoskeletal disorders among various occupational workers in India: a systematic review and meta-analysis**

SukhDev Mishra\*, G Avinash & Abhijit Dutta,

\* ICMR-National Institute of Occupational Health, India

### **Impact of the COVID-19 pandemic on health emergency and disaster risk management systems: a scoping review of mental health support provided to health care workers**

Jargalmaa Amarsanaa\*, Oyundari Batsaikhan & Odgerel Chimed-Ochir

\*Hiroshima University, Japan

## **CASE STUDY**

### **Chronic occupational paronychia secondary to digital pilonidal sinus from dog grooming**

Mikko P Räsänen\*, Heidi Furu & Randy R Bindra

\*Tampere Universities, Finland

## **BRIEF REPORT**

### **Impact of COVID-19 on health status of self-employed workers**

Se-Eun Oh\* and Sangjun Choi

\*The Catholic University of Korea, South Korea

### **A method for determining workers' exposure concentration to airborne nitrilotriacetic acid**

Ai Yamada\*, Kenta Ishii & Mariko Ono-Ogasawara

\*Osaka Occupational Health Service Center, Japan

## **OCCUPATIONAL HEALTH AND SAFETY IN THE WORLD**

### **Study of the risk assessment of nursing occupational exposure to major public health emergencies based on the Likelihood Exposure Consequence method**

Rong Yan\*, Li Zeng & Yun-Fang Liu

\*Huazhong University of Science and Technology, China



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#### **Ceramic industry and pneumoconiosis in Turkey: a cross-sectional study on workplace health management**

Duygu Luleci\* & Arif Cimrin

\* Mugla Training and Research Hospital, Turkey

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#### **Topical anesthetic abuse keratopathy: an overlooked occupational eye health concern**

Alireza Attar\*, Alison L. S. Chiu & Mohammad Mohammadi

\*Shiraz University of Medical Sciences, Shiraz, Iran

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#### **Burnout, anxiety and depression in secondary school teachers in Europe during the COVID-19 pandemic: a systematic scoping review & perspective of preventive occupational medicine**

Ursula Wild\*, Sarah Herman & Philip Lewis

\*University Hospital of Cologne and University of Cologne, Germany

Review 29 November 2025

#### **Collaboration between occupational health services and other health care: a scoping review**

Tuulia Varanka-Ruuska\*, Mari Immonen & Pauliina Kangas

\* University of Oulu, Oulu, Finland

Review 27 November 2025

#### **The role of deer keds (Diptera: Hippoboscidae: Lipoptena and Neolipoptena) in occupational and public health**

Markus Braun\*, Doris Klingelhöfer & Isabelle Marie Kramer

\* Goethe University Frankfurt, Germany Review 27 November 2025

### **Metabolomic profiling of sweat VOCs for occupational stress surveillance in firefighters: a GC-MS pilot study**

Teerada Somphot, Thanaphol Sirithaweek & Chadin Kulsing

\* Chulalongkorn University, Thailand

Research Published on: 20 November 2025

### **Humor as a double-edged weapon in psychopathology: light and dark humor styles, coping, and personality in police mental health**

Royce Anders\*, Lauriane Willemin-Petignat & Benjamin Putois

\* University of Montpellier Paul Valéry, France

Research Published on: 20 November 2025

### **Exploring the impact of high reliability organization implementation on patient handling injury rates: a cross-sectional study**

Michael Joshua G. Morales, Pauline Hilton & Soo-Jeong Lee

\* University of California, San Francisco, USA

Research Published on: 19 November 2025

### **The potential adverse human health effects of metal-containing nanoparticles: a scoping review**

Robert S. Miller, Robert Goodnough & Timur S. Durrani

\* UT Health San Antonio, San Antonio, TX, USA

Review Published on: 18 November

### **Predicting workplace absenteeism using machine learning: a pilot study in occupational health**

Pablo Llamas Blázquez

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Research Published on: 10 November 2025

### **Cause-specific mortality among workers in asbestos mining and enrichment factories (Asbest Chrysotile Cohort Study) compared with the general population of Sverdlovsk Oblast, Russian Federation**

Ann Olsson, Joachim Schüz & Evgeny Kovalevskiy

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Research Published on: 6 November 2025

### **Occupational zirconium and co-metal exposure — cobalt, nickel, and arsenic: an integrated air and biomonitoring assessment in Taiwanese industry**

Ting-An Yang\*, Chia-Chen Chang & Yu-Chung Tsao

\* Chang Gung University, Taoyuan City, Taiwan

Research Published on: 29 October 2025

### **Preparation methodology evaluation of rat pulmonary tissues containing mineral fibers following inhalation exposure to Libby amphibole asbestos**

Jamie S. Richey\*, John R. Shaw & Robyn L. Ray

\* Battelle Memorial Institute, Columbus, OH, USA

Methodology Published on: 14 October 2025

### **Evaporative microclimate interval cooling reduces heat stress in thermal insulating protective clothing**

Karl Jochen Glitz\*, Stefan Freitag & Manuela Andrea Hoffmann

\*Bundeswehr Institute of Preventive Medicine, Germany

Research Published on: 13 October 2025

### **Referral criteria for occupational musculo-skeletal diseases: analysis of 7-year (2012–2018) NODIS data**

Ping Hui Chen\*, Po-Ching Chu & Pau-Chung Chen

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Research Published on: 8 October 2025

### **Prevention and intervention against obesity and overweight in the military: a systematic review**

Lorenz Scheit\*, Lisa Baustert & Jan Schröder

\*Department I–Internal Medicine, Hospital Hamburg, Germany

Review Published on: 7 October 2025

### **Impact of night shift work on telomere length and epigenetic age in older workers**

Luca Ferrari\*, Anna Comotti & Matteo Bonzini

\*University of Milan, Italy

Research Published on: 1 October 2025

### **Double trouble – identifying rating inconsistencies due to double ratings of the “Show backbone” study**

Philipp Näther\*, Jan Felix Kersten & Albert Nienhaus

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Research Published on: 16 September 2025

### **Pre-employment urine drug screening: examining trends in THC-COOH positivity rates post-legalization of recreational cannabis in California – a retrospective review**

Akbar Sharip & Roshan Razavi

\*Loma Linda University, USA

Research Published on: 8 September 2025

### **Work-related instant messaging and calling stress (WRIMCS) among physicians: a novel occupational health risk?**

Aldo Shpuza\*, Edlira Bylykbashi & Genc Burazeri

\*University of Medicine, Tirana, Albania

Research Published on: 2 September 2025

### **Outbreaks of COVID-19 among healthcare personnel in a U. S. veterans administration health care system site, June and August 2023**

Ignacio A. Santana\*, Max Blumberg & Sandeep Guntur

\*University of California, San Francisco, USA

Research Published on: 29 August 2025

### **Effect of change on psychological performance in rescue services personnel in Finland – a qualitative interview study**

Hilla Nordquist\* and Sanna Korpela

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Research Published on: 26 August 2025

**Work related musculoskeletal stress among residents of internal medicine on cardiological wards in their daily working practice – a kinematic and ergonomic analysis**

Fabian Holzgreve\*, Corinna Rittinghausen & Daniela Ohlendorf

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Research Published on: 12 August 2025

**Associations between pesticide exposure and hepatobiliary disease among agricultural workers in the Northeastern region of Thailand: a cross-sectional study**

Kulthida Y. Kopolrat\*, Sunisa Chaiklieng & Kannika Trinnawoottipong

\*Khon Kaen University, Khon Kaen, Thailand

Research Published on: 11 August 2025

**Burnout and coping mechanisms among Sudanese healthcare workers during the ongoing Sudan war: a cross-sectional study**

Muhannad Bushra Masaad Ahmed\*, Ahmed Balla M. Ahmed & Sohaib Mohammed Mokhtar Ahmed

\* University of Gadarif, Gadarif, Sudan

Research Published on: 31 July 2025

**Impact of cold exposure on shift working seafood handlers in Northern Norway: a comparative analysis across work shifts**

Phong K. T. Chau\*, Tiril Schjølberg & Fred Haugen

\*University of Oslo, Oslo, Norway

Research Published on: 23 June 2025

**Correction: Sowing seeds of awareness: a cross-sectional analysis of mental health literacy and help-seeking in Irish farmers**

Siobhan O'Connor\*, Anna Donnla O'Hagan & Sandra M. Malone

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Correction Published on: 16 June 2025



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### **FAST TRACK ARTICLES**

#### **Workplace Intelligent Technology Use and Health of Older Remote Workers**

Zhao, Hairong\*; Xie, Huier

\* Sun Yat-sen University, China

### **ORIGINAL ARTICLES**

#### **Burnout and Depression Among UK-Based Healthcare Professionals: Insights From a 3-Year Prospective Cohort Study Regarding Potential Mitigation Strategies**

Collett, George\*; Kotecha, Ashish & Gupta, Ajay

\* Royal Devon University Healthcare NHS Foundation Trust, United Kingdom.

#### **Cross-sectional and Longitudinal Associations Between Sleep Traits and Work-Related Pay, and Performance**

Walker, Benjamin\*; Gibson, Jon & Sutton, Matt

\*The University of Manchester, UK

#### **Association Between Workplace Social Capital and Occupational Injuries and Illnesses: A 1-Year Prospective Cohort Study**

Omori, Miho\*; Nagata, Tomohisa & Mori, Koji; On behalf of the W2S-Ohpm Study

\*University of Occupational and Environmental Health, Japan

### **Economic Evaluation of Two Scalability Strategies for Nationwide Dissemination of an Occupational Sun Safety Intervention in a Randomized Trial**

Meenan, Richard\*; Buller, David B. & Chirico, Noah \* Colorado State University, USA

### **Interrelationships Among Working Hours, Temperature, and Economic Output in Chinese Industrial Firms: A Sustainability Perspective**

Xing, Manjiang\*; Liu, Juanjuan & Lu, Miao  
\*Qilu Institute of Technology, Jinan, Shandong, China

### **The Consideration of Body Mass Index in Conjunction With VO<sub>2</sub>max Is Essential When Evaluating the Health and Wellness of Frontline Fire Suppression Personnel**

Yavelberg, Loren\*; Hubbard, Cody & Jamnik, Veronica  
\* York University, Canada

### **Differential Risk of Depression by Occupational Factors: A Gendered Perspective From the Brazilian National Health Survey**

Faisal-Cury, Alexandre\*; Rodrigues, Daniel Maurício de Oliveira & Maruyama, Jessica Mayumi  
\*Universidade de São Paulo, São Paulo, Brazil

### **Relationships Between Physiological Stress Biomarkers and Cardiovascular Disease Risk Factors Among Career Firefighters**

Gonzalez, Drew E.\*; Coles, Macilynn E. & McAllister, Matthew J.  
\*Texas A&M University, College Station, Texas , USA

### **Temporary Disabilities Due to Mental Health Problems in a Sample of Spanish Employees (2018–2022): Prevalence, Duration, and Economic Impact**

García-Sánchez, Rodrigo\*; Labrador-Fernández, Jesús & Bermejo-Toro, Laura  
\*Pontifical Comillas University, Madrid, Spain

### **The Effect of Working From Home on Device-Measured Physical Activity Among Japanese White-Collar Workers: A Within-Individual Comparison Study**

Kikuchi, Hiroyuki\*; Machida, Masaki & Inoue, Shigeru  
\*Tokyo Medical University, Shinjuku, Japan

### **Scoping Total Worker Health: An Expanded View of Worker Well-being**

Banks, Cristina\*; LaFrance, Alicia & Yelin, Edward  
\*University of California, San Francisco

### **Association of Urinary Phthalate Metabolites With Pulmonary Function in Children: A Study Based on the NHANES**

Li, Pei-long\*; Fu, Hong-min & Liu, Kai  
\*Kunming Medical University, China

### **Occupational Exposure of Healthcare Workers During Drug Reconstitution and Handling Tasks: A Multicenter Assessment at Dutch Hospital Wards**

van den Berg, Roland B.\*; Stubbs, Percival & Crul, Mirjam  
\* location Vrije Universiteit, Amsterdam, the Netherlands

### **Ethylene Oxide Exposure and Its Association With Serum Neurofilaments Light Chain Levels in the General Population**

Xu, Yue\*; Liu, Qi & Ji, Qianqian  
\*Sun Yat-Sen University, Shenzhen, P.R. China



### **Work-Environment Determinants that Could Affect the Emergency Healthcare Workers' Personal Life in the Spanish Health System**

Martín-San Agustín\*, Rodrigo; Alcazar-Belchí, María Quiteria & Fuentes-Abolafio, Iván José

\* University of Valencia, Valencia, Spain

### **Historical Study of Workers Exposed to Styrene in the US Reinforced Plastics and Composite Industry: Findings From a 2019 Mortality Update**

Egnot, Natalie Suder\*; Leleck, Olivia Messina & Marsh, Gary M.

\*Benchmark Risk Group, Chicago

### **Trends in Occupational Hearing Loss: An Analysis of 36,984 Workers With Occupational Noise Exposure in Quebec**

Dahan, Zachary\*; Saliba, Joe & Pinsonnault-Skvarenina, Alexis

\*University of Montreal, Montréal, QC, Canada

### **Comparison of 24-Hour Movement Behaviors in Desk Workers Across Office and Work From Home Locations**

Holmes, Anthony J.\*; Kline, Christopher E & Gibbs, Bethany Barone

\* University of Pittsburgh, USA

### **The Impact of Unilateral Severe-to-Profound Hearing Loss on Work Productivity and the Need for Recovery After Work**

Philips, Cato\*; Jacquemin, Laure & Van Rompaey, Vincent

\*University of Antwerp, Antwerp, Belgium

### **Who Works Non-Day Shifts? An Investigation of Population and Within-Cohort Trends**

Cho, Gawon\*; Chodos, Joshua & Chang, Virginia W.

\* Yale University, USA

### **Multiple Primary Cancers Among Florida Male Career Firefighters**

Koru-Sengul, Tulay\*; Caban-Martinez, Alberto J. & Lee, David J.

\* University of Miami, USA

### **Sit-to-Stand Desk Converters Decrease Self-reported Workplace Sedentary Time and Improve Perceived Productivity in Office Workers**

MacDonald, Emily E.\*; Waghorn, Jocelyn & O'Brien, Myles W.

\*Dalhousie University, Halifax, Nova Scotia, Canada

### **Impact of Hand-Arm Vibration on Grip and Pinch Strength of Jackhammer Operators: A Cross-sectional Study**

Sharma, Anand Shyamji\*; Mandal, Bibhuti Bhusan & Mandal, Sujit Kumar

\*SIR-Central Institute of Mining and Fuel Research, India

## **LETTER TO THE EDITOR**

### **Comments on the Creswell et.al. Paper - Too Soon to Breathe Easy**

Rosenman, Kenneth D.\*

\*Michigan State University College of Human Medicine East Lansing, USA

### **Binge Drinking Patterns in the Workplace: Insights From a Population of Administrative Staff**

Paladino, Maria Emilia\*; Riva, Michele Augusto & Belingheri, Michael

\*University of Milano-Bicocca Monza, Italy

### **Surveying Occupational Medicine Physicians on Worker Health and Extreme Heat**

Barnard, Payge A.\*; Bishop, Rachel A. L & Rosenman, Kenneth D.

\*University of Michigan Medical School Ann Arbor

## **RESPONSE TO LETTER TO THE EDITOR**

### **Authors Response to Comments on the Creswell et al Paper—Too Soon to Breathe Easy**

Creswell, Paul D.\*; McCoy, Katherine E. & Bedno, Sheryl

\*Harvard University, Boston, MA

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## **FAST TRACK ARTICLES**

### **Advancing Employer Cultures of Health and Well-being: Lessons for Business Coalitions and Employers**

Fabius, Raymond\*; Bildner, Michele & Phares, Sharon E.

\* HealthNEXT, Newtown Square, Pennsylvania

### **Work Productivity Loss in People Living With Long COVID Symptoms Over 2 Years From Infection**

Naik, Hiten\*; Zhu, Bingyue; Er, Lee & Zhang, Wei

\* The University of British Columbia, Canada

## **ORIGINAL ARTICLES**

### **A Cross-sectional Study of the Association of Menopausal Symptoms With Presenteeism Among Female Employees of a Japanese Company**

Kuwazuru, Tomoichiro\*; Okawara, Makoto & Fujino, Yoshihisa

\* University of Occupational and Environmental Health, Japan

### **Impact of Uterine Fibroid Symptoms on Functional Work Impairment Among Employed Women Working in Healthcare in the United States**

Sell, Heather\*; Gouveia-Pisano, Julie & Somand, Heather

\* Pfizer Inc., New York

### **Prenatal Exposure to PM2.5 Components and Preterm Birth: A Case-Crossover Study in Shijiazhuang, China**

Zhang, Yujia\*; Yang, Yuanyuan & Liu, Wenxuan

\*Hebei Medical University, Shijiazhuang, China

### **Critical Assessment of the Occupational Safety and Health Administration (OSHA) Respirator Questionnaire**

Harber, Philip\*; Behrman, Amy J. & Rolando, Lori  
\*University of Pennsylvania, Philadelphia

### **Respirator Medical Examinations: Current Practices and Future Needs**

Harber, Philip\*; Leibu, Rachel & Rolando, Lori  
\* University of Arizona, Tucson, Arizona

### **Forklift Operator Medical Certification Examinations: A Case Study in the Need for Ongoing Occupational Health Data Analysis**

Cordes, Mitchel F.\*; Bronstein, Ellis D. & Krahl, Pamela L.  
\* Uniformed Services University of the Health Sciences, Maryland

### **Anxiety Among Workers in Institutions for Older Adults During the COVID-19 Pandemic**

Navarro-Prados, Ana Belén\*; Rodríguez-Ramírez, Yanielis & Meléndez, Juan Carlos \*  
\* University of Salamanca, Spain

### **An Organizational-Level Intervention to Enhance Sustainable Employability of Long-Term Care Workers: A Process Evaluation of the Healthy Working Approach**

van Kuppenveld, Marieke\*; Heijkants, Ceciel H. & Boot, Cécile R. L.  
\* Radboud University, Behavioural Science Institute, The Netherlands

### **Characteristics of Workers' Compensation Claims in South Korea's Electronics Industry With a Focus on Occupational Cancers in the Semiconductor and Display Sectors (2013–2022)**

Koh, Dong-Hee\*; Kim, Hyoung-Ryoul & Park, Dong-Uk  
\* Yonsei University, South Korea

### **Physical Health Consequences of Vicarious Trauma: Prospective Relationship Between Hospital Patient Care Worker Vicarious Trauma Symptoms and Gastrointestinal Disorders**

Stelson, Elisabeth Anne\*; Sorensen, Glorian; Berkman, Lisa & Sabbath, Erika L.  
\* Chan School of Public Health, Boston, Massachusetts

### **Occupational Respirable Crystalline Silica Dust Exposure and Risk of Non–Lung Cancer Mortality Among German Uranium Miners (1946–2018)**

Ludwig, Tonia\*; Kreuzer, Michaela & Fenske, Nora  
\* Institute of the Ruhr-Universität Bochum (IPA), Germany

### **What if You Let Them Stand? A 2-Year Follow-up on Sit-Stand Desk**

Silva, Hélio\*; Teno, Sabrina C. & Júdice, Pedro B.  
\* Universidade Lusófona, Lisboa, Portugal

## **FAST TRACK ARTICLE**

### **Dissemination of Heat Safety Practices Among Florida Farmworker Crews**

Carver Martin, Miranda\*; Forst, Linda & Monaghan, Paul  
\*University of Florida, Gainesville, Florida

## ORIGINAL ARTICLES

### **Evaluation of an Online Training Course in Motivational Interviewing for Occupational Health Clinicians to Address Vaccine Hesitancy**

Saif, Nadia T.\*; Elghannam, Magdi & Cloeren, Marianne

\*University of Maryland School of Medicine, Baltimore, Maryland

### **Recruitment Challenges for Physician Training in Occupational and Environmental Medicine**

Blumberg, Max J.\* & Harrison, Robert J.

\*University of California–San Francisco, California.

### **Crossfire of Contamination: Pesticide Exposure and Metabolic Health Risks Among Highland Farmers**

How, Vivien\*; Mohamed Rosli, Noor Hafizah & Waras, Maisarah Nasution

\* Universiti Putra Malaysia, Serdang, Malaysia

### **Effectiveness of a Workplace Health Promotion Program in Reducing Obesity: A Retrospective Study**

Reinoso-Barbero, Luis\*; Muñoz-Dueñas, Pilar & Gómez-Gallego, Félix

\*Universidad Internacional de La Rioja, Spain

### **Structural Heart Abnormalities Are Prevalent on the 12-Lead Electrocardiogram Among Firefighters**

Bae, Alexander W.\*; Lai, Chi-Ju & Dzikowicz, Dillon J.

\*University of Rochester, Rochester, New York

## ORIGINAL ARTICLES

### **Health Conditions in Wyoming Miners as Reflected in Wyoming Miner's Hospital Insurance Claims, 2014–2023**

Yeoman, Kristin; Chin, Brian & Poplin, Gerald

\*National Institute for Occupational Safety and Health, Washington State

### **Alertness After Night Shifts Among Workers in the Aluminium Industry**

Pedersen, Martine; Bast-Pettersen, Rita & Lie, Jenny-Anne S.

\*University of Oslo, Norway

### **Clinical Characterization of Long COVID Among Chinese Healthcare Workers: A Multicenter, Cross-sectional Study**

Ni, Zhen-Chao; Lv, Li & Wu, Xu-Dong

\*University, Ningbo, Zhejiang, China

### **Relationship Between Metabolic Syndrome and Work Ability Test Performance in Firefighters**

Ras, Jaron\* & Grace, Jeanne

\*University of KwaZulu-Natal, Durban, South Africa.

### **Cancer-Free Heroes: Feasibility and Acceptability of a Tailored Intervention to Promote Colorectal Cancer Screening Among Firefighters**

Piñeiro, Bárbara\*; Arzola, Saba & Menon, Usha

\*University of South Florida, Tampa, Florida

## LETTERS TO THE EDITOR

### To PEP or Not to PEP: An Innovative Alternative

Nezam, Hasan\*; Savul, Sajjad A. & Behrman, Amy J.

\*Penn Occupational Medicine University of Pennsylvania Health System Philadelphia, PA

### Efficacy of mHealth-Based Workplace Health Promotion Strategy in Improving Cardiorespiratory Fitness in a Healthcare Setting: Correspondence

Daungsupawong, Hinpetch\*; & Wiwanitkit, Viroj

\*Private Academic Consultant Phonhong, Lao People's Democratic Republic.

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## ORIGINAL ARTICLES

### Occupational Physicians' Behavioral Determinants Regarding Prevention and the Association With Time Allocated to Preventive Tasks

Orhan Pees, Suzanne\*; van Oostrom, Sandra & Proper, Karin

\* National Institute for Public Health and the Environment, The Netherlands

### Erosion of Traditional Employment: Impact on Health and Economic Well-being

Yelin, Edward\*; LaFrance, Alicia & Iley, Trisha

\* University of California, San Francisco, California

### The Impact of Productivity Loss From Presenteeism and Absenteeism on Mental Health in Japan

Hara, Koji\*; Nagata, Tomohisa & Miyazaki, Tomoyuki

\*Yokohama City University, Yokohama, Japan

### WOEMA Position Paper and Call-to-Action: California Needs More Physicians Specializing in Occupational and Environmental Medicine (OEM)

Sharip, Akbar\*; Papanek, Paul J. & Berenji, Manijeh

\* University of California Irvine, Irvine, California

### The Relationship Between Home-Based Telework and Work Engagement: A Prospective Cohort Study

Kuroishi, Makiko\*; Nagata, Tomohisa & Mori, Koji; for the CORoNaWork Project

\* University of Occupational and Environmental Health, Japan, Kitakyushu, Japan

### Reference Values for Body Composition, Graded Exercise Testing, Hemodynamics, and Pulmonary Function in Male and Female Firefighters

Tinsley, Grant M.\*; Mota, Jacob A. & Rodriguez, Christian

\* Texas Tech University, Lubbock, Texas

### Employment-Grade Differences in Factors for Work Performance: The Japanese Civil Servants Study

Fuchigami, Takamasa\*; Tatsuse, Takashi & Sekine, Michikazu

\* University of Toyama, Toyama, Japan

### **“I’m Going to Work, but It Is Survival, Too”: A Unique Qualitative Study of Occupational Mental Health and Wellbeing Among Women Sex Workers in Baltimore, Maryland**

Krishnamoorthi, Mahima\*; Basurto, Samantha Grace Alarcon & Tomko, Catherine

\* Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland

### **A Longitudinal Assessment of Hearing Loss in the World Trade Center General Responder Cohort**

Sloan, Nancy L.\*; Dasaro, Christopher R. & Teitelbaum, Susan L.

\* Rutgers University Biomedical Sciences, Piscataway, New Jersey

### **A Qualitative Investigation Into the Exercise Habits, Motivators, and Barriers Faced by HealthCare Shift Workers**

Sweeney, Cian\*; Sweeney, Liam & Sweeney, Emma L.

\* Nottingham Trent University, UK

### **Feasibility and Preliminary Evaluation of Implementation Strategies to Increase Individual Participation in an Internet-Based Stress Management Program for Micro- and Small-Sized Enterprises: A Pre-Post Pilot Study**

Sasaki, Natsu\*; Shimazu, Taichi & Imamura, Kotaro

\* The University of Tokyo, Tokyo, Japan

### **Lack of Recovery From Work and Changes for the Worse in Working Conditions—The Role of Vitality as a Mediator of Lack of Detachment and Sleeping Problems in a 12-Wave Panel Study**

Tritschler, Nils D. K. H.\*; Meier, Laurenz L & Elfering, Achim

\* University of Geneva, Geneva, Geneva, Switzerland

## **FAST TRACK ARTICLE**

### **Which Device Is Most Suitable for Measuring Heart Rate Variability in the Field? A Comparative Evaluation of Two Leading Options**

Krummenacher, Maryline\*; Tarvainen, Mika & Guseva Canu, Irina

\* University of Eastern Finland, Kuopio, Finland

## **ORIGINAL ARTICLES**

### **Predictive Factors Associated With the Utilization of Vocational Rehabilitation for Occupational Diseases in Finland: A Multiregister Analysis**

Ojanen, Ville\*; Korhonen, Mikko & Sauni, Riitta

\* Tampere University, Finland

### **Psychosocial Work Environment Related to Presenteeism Among Japanese Employees**

Ozawa, Sakiko\*; Monma, Takafumi & Takeda, Fumi

\* University of Tsukuba, Tsukuba, Japan

### **The Effects of a Digital Digestive Care Management Program on Employee Absenteeism: A Case-Control Study**

Shepherd, Martha\*; Ho, Pen-Che & Hines, David

\* Stanford University, Stanford, California

### **Maximal Oxygen Uptake and Coronary Artery Calcium Scores in Firefighters**

Li, Mingyue\*; Han, Jiali & Nan, Hongmei \* Indiana University, Indianapolis, Indiana

### **Ethical Use of Wearable Device Data in Occupational Settings: Perspectives From the Fire Service**

Topazian, Rachel J.\*; Wec, Aleksandra & Crifasi, Cassandra K.

\* University of Colorado Anschutz Medical Campus, Colorado

### **Investigating the Association Between Work Family Conflict and Major Depression Disorder**

Wang, Tianying\*; Butterworth, Peter & Leach, Liana

\* La Trobe University, Melbourne, Australia

### **Predictors of Physical and Mental Health-Related Quality of Life in Tunisian Workers With Type 2 Diabetes**

Rassas, Ines\*; Bel Hadj, Noura & Henchi, Mohamed Adnene

\* University of Monastir, Monastir, Tunisia

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### **Conditions of Work that Impact the Health Behaviors of Long-Haul Truck Drivers**

Aryal, Ashamsa\*; Casteel, Carri & Rohlman, Diane

\* University of Iowa, Iowa City

### **Association Between Postacute Sequelae of COVID-19 Infection and Work Environment in a Semiconductor Packaging Plant in Taiwan**

Cheng, Fu-Jen\*; Chuang, Yi-Ping & Hsu, Ping-Chi

\* Chang Gung University College of Medicine, Taiwan

### **Relationships Between Work, Lifestyles, and Obesity: Comparative Analysis Between the Spanish National Health Survey 2017 and the European Health Survey 2020 in Spain**

Moreno, Guillermo\*; Hernández-Martín, Marta M. & de-Pedro-Jiménez, Domingo

\* Complutense University of Madrid, Madrid, Spain

## **LETTER TO THE EDITOR**

### **Letter to the Editor “WOEMA Position Paper and Call-to-Action: California needs more physicians specializing in Occupational and Environmental Medicine (OEM)”**

Harber, Philip\*

\* University of Arizona, Tucson, AZ

## **RESPONSE TO LETTER TO THE EDITOR**

### **WOEMA Position Paper and Call-to-Action: California Needs More Physicians Specializing in Occupational and Environmental Medicine (OEM)**

Sharip, Akbar\*; Papanek, Paul & Berenji, Manijeh

\* University of California Irvine, Irvine, CA

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#### **Prevalence of Ototoxic Chemical Exposure, Noise Exposure and Hearing Difficulty Among Workers in the United States, 2023**

Masterson, Elizabeth A.\*; Morata, Thais C. & Themann, Christa L.

\*Centers for Disease Control and Prevention, Cincinnati, Ohio.

#### **Comparing the Impact of Workplace Lifestyle Interventions: A 7-Month Study on Cardiovascular Health, Life Satisfaction, and Quality of Life**

Gonçalves, Lurdes\*; Lau, Beatriz & Ribeiro, Fernando

\*University of Aveiro, Portugal (C.C.).

#### **Employers' Perspectives on Motivations, Barriers, and Effectiveness of Health and Productivity Management in Small- and Medium-Sized Enterprises**

Nagata, Tomohisa\*; Nagata, Masako & Mori, Koji

\*University of Occupational and Environmental Health, Japan.

#### **Workplace Culture of Health, Remote Work, and Employee Well-being: A Mixed-Methods Study**

Marenius, Michele W.\*; Marzec, Mary & Chen, Weiyun

\*University of Michigan, Ann Arbor, Michigan

#### **Associations between Perceived Occupational Prestige and Psychological Symptoms in Correctional Supervisors**

Cole, Wayne A. Jr\*; Dugan, Alicia G & Martin G.

\*University of Connecticut School of Medicine, Connecticut

#### **Suicide Rates by Lethal Means and Occupational Group Among US Workers, 2013–2019**

Soupene, Victor A\*.; Davis, Jonathan & Casteel, Carri

\* University of Iowa, Iowa City, Iowa

#### **Cross-Sectional Association Between Work Intervals and Metabolic Syndrome Among Japanese Daytime Workers: Japan Epidemiology Collaboration on Occupational Health Study**

Nagayama, Chihiro\*; Miyake, Haruka & Mizoue, Tetsuya

\*Department of Epidemiology and Prevention, Tokyo, Japa

#### **COVID-19's Impact on Physical Activity and Metabolic Syndrome in Firefighters: A Randomized Trial of Pre- and Post-recovery Analysis**

Monfared Abyani\*, Masoud; Soltani & Moghadasi, Mehrzad

\*University of Salford, Salford, Lancashire, United Kingdom

#### **Occupational Stressors Among US Maritime Workers During the COVID-19 Pandemic: A Content Analysis by Age and Gender**

Clonch, Allison C.\*; Monsey, Lily M. & Baker, Marissa G.

\*University of Washington, Seattle, Washington

### **Work-Related Asthma in the Cannabis Industry: Findings From California, Massachusetts, Michigan, and Washington**

Pacheco, Michelle\*; Fitzsimmons, Kathleen & Sparer-Fine, Emily

\*Michigan State University, USA

### **Development of the PIPA Method—Participate, Identify, Prioritize, and Act: An Employee-Centered Risk Management Tool for Preventing Musculoskeletal Disorders**

Eliasson, Kristina\*; Hellman, Therese & Nyman, Teresia

\*Uppsala University Hospital, Uppsala, Sweden

### **Physical Fatigue of Emergency Workers After Rush Entry Into the Low-Oxygen Environment at High Altitude**

Liu, Lei\*; Liu, Liang & Zhang, Huiwu

\*Sichuan Provincial Orthopedic Hospital, China

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### **Workplace Culture of Health, Remote Work, and Employee Well-being: A Mixed-Methods Study**

Marens, Michele W.\* Marzec, Mary & Chen, Weiyun

\*University of Michigan Medical School, Ann Arbor, Michigan

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### **Lipid Profile in Fitness-for-Work Assessment According to Job Sector in an Occupational Health Clinic in Peru**

Risco Rebaza, Jean Carlos; Gomero Cuadra, Raúl; Llerena Oviedo, Ana; Mejia, Christian R.

### **An Updated Mortality Study of Beryllium Workers, 1925–2020**

Fordyce, Tiffani A.\*; Leonhard, Megan J. & Boffetta, Paolo

\*Universidad Peruana de Ciencias Aplicadas, Lima, Peru

### **Occupational Mental Health: An Investigation of Risk Indicators Using Interpretable Machine Learning Techniques**

Schneider, André Luis\*; do Carmo, Juliana Sampaio & Sergio Luiz Ribas

\* Federal University of Technology–Paraná (UTFPR), Brazil

### **COVID-19 Reinfection and Work Environment Factors Among Healthcare Workers in Vietnam**

Mai, Pham Phuong\*; Giang, Le Minh & Alexander, Bruce H.

\* University of Minnesota School of Public Health, Minnesota

### **Asbestos Exposure in Low-Middle Income Communities of Cartagena, Colombia: A Survey of Knowledge, Practices, and Environmental Contamination**

Villamizar, Guillermo\*; Frank, Arthur & Camero, Gabriel

\* Drexel University School of Public Health, Pennsylvania

### **Videoconference-Supervised Exercise for Low Back Pain in Eldercare Workers: One-Year Follow-up of the ReViEEW Randomized Controlled Trial**

Espin, Ander\*; Irazusta, Jon & Rodriguez-Larrad, Ana

\* University of the Basque Country (UPV/EHU), Spain

## **Impacts of Altering Spirometric Prediction Equations in Occupational Health**

Townsend, Mary C.\*; Harber, Philip & Cowl, Clayton T.

\* University of Arizona, Tucson, Arizona

## **Does Medical Directions Make Any Differences in Workers' Compensation System? Analysis of Employee- and Employer-Directed Medical Care in Relation to Prolonged Physical Therapy and Attorney Involvement Among Rotator Cuff Tear Claims**

Tao, Xuguang (Grant)\*; Kauffman, Paul & Bernacki, Edward J.

\*Johns Hopkins School of Medicine, Baltimore, Maryland

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### **ACOEM GUIDANCE STATEMENT**

## **Harnessing Occupational and Environmental Medicine Expertise to Transform Medical Care: A Catalyst for Mitigating the Human Health Impacts of Climate Change**

McLellan, Robert K.\*; Berenji, Manijeh & ACOEM Work Group on Climate Change Education

\* American College of Occupational and Environmental Medicine, Elk Grove Village, Illinois

## **EDITORIAL**

## **JOEM Editorial: The Future of Health, Productivity, and Occupational/Environmental Medicine**

Brandt-Rauf, Paul W.\*

\* Drexel University, Philadelphia, Pennsylvania

## **OCCUPATIONAL MEDICINE FORUM**

## **Is Elevated Urinary $\beta$ -2 Microglobulin ( $\beta$ 2-M) Unique to Cadmium Toxicity?**

Sullivan, Andrew J.\*Testa, Joseph W. & Downs, John W.

\* Uniformed Services University of the Health Sciences, USA

## **The Role of Alcohol, Sports Drinks, and Caffeinated Beverages in Preventing Heat-Related Illness**

Greenberg, Shlomo\*; Forst, Linda & Klein, Michael D.

\* University of Illinois Chicago, Chicago IL, USA

## **BOOK REVIEWS**

## **Remembering History, Now More Than Ever**

Blanc, Paul D.\*

\* Climate Medicine University of California San Francisco San Francisco, CA.

## **Why We Should All Care That Everything Is Tuberculosis**

Yarborough, Charles M. III\*; Thanassi, Sala Jane & Thanassi, Wendy Todaro

\* CA Stanford University Stanford, CA

## **LETTER TO THE EDITOR**

## **Artificial Stone Silicosis in Turkey: The First National Case Series Follows the Footsteps of Denim Sandblasting**

Kurt, Ozlem Kar\*; Karaketir, Seyma & Akgün, Metin

\* Medicine Istanbul University Istanbul, Turkey

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### Editor's Picks

#### **The Impact of Flexible Work on Young Workers' Health: Longitudinal Evidence From South Korea**

Park, Sungjin\*; Lee & June-Hee

\*Soonchunhyang University Hospital, Republic of Korea

#### **The Impact of Metabolic Syndrome on the Risk for Disability Pension in Overweight and Obese Employees: A Prospective Study**

Lidén, Edvard\*; Vihlborg, Per & Eva

\*University of Gothenburg, Gothenburg, Sweden

#### **Changes in Work Impairment and Associated Cost Savings Among Employees Receiving Psychotherapy: Retrospective Cohort Study**

Espel-Huynh, Hallie M.; Chen, Shih-Yin & Lee, Jennifer L.

\*Northern Arizona University, Flagstaff, Arizona

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#### **The Risk of Burnout Among French Mayors: A Descriptive Study**

Torres, Olivier\*; Le Moal, Mathieu & Lesage, François-Xavier

\*Université de Montpellier–MOMA, France

#### **The Impact of Flexible Work on Young Workers' Health: Longitudinal Evidence From South Korea**

Park, Sungjin\* & Lee, June-Hee

\* Soonchunhyang University Hospital, Seoul, Republic of Korea

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#### ORIGINAL ARTICLES

#### **Assessment of Respiratory Health Among Volunteers Involved in Search and Rescue Operations During a Severe Earthquake**

Arbak, Peri Meram\*; Gulec Balbay, Ege & Bayram, Hasan

\* Düzce University, Düzce, Türkiye

#### **Association Between Work-Life Boundary Management and Nonrestorative Sleep Among Japanese Teleworkers: A Cross-sectional Online Survey**

Otsuka, Yuichiro\* & Kaneita, Yoshitaka

\*Nihon University School of Medicine, Tokyo, Japan.

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#### **Narrative Proceedings of the Inaugural Health Systems Implementing Climate Action Conference 2024**

Locke, Sara\*; Senay, Emily & Sherman, Jodi D.

\*Yale School of Medicine, New Haven, USA

### ORIGINAL ARTICLES

#### **Association Between Heavy Menstrual Bleeding and Presenteeism Among Female Workers: A Cross-sectional Study in Japan**

Tahara, Yuki\*; Okawara, Makoto & Fujino, Yoshihisa

\* University of Occupational and Environmental Health, Japan

#### **Low Level of Ambient Carbon Monoxide Exposure and Blood Pressure: A Longitudinal Panel Study at the Hourly Level**

Yang, Liyan\*; Yuan, Zhi & Lin, Zhijing

\*Anhui Medical University, Hefei, China.

#### **Longitudinal Nephrotoxic Metal Exposure in a Cohort of Farm Workers in Sonora, Mexico**

Wagoner, Rietta S.\*; Lopez-Galvez, Nicolas I. & Furlong, Melissa A.

\*University of Arizona, Tucson, USA

#### **Menstruation-Related Diseases, Work Performance, and Oral Contraceptive: Nationwide Online Survey**

Maeda, Yuto\*; Tabuchi, Takahiro & Fujiwara, Takeo

\*Department of Public Health, Institute of Science Tokyo, Japan

#### **“I’m Dealing With My Whole Health Right Now”: A Qualitative Study of Veteran's Administration Employees Participating in Employee Whole Health**

Cohen-Bearak, Adena\*; Adjognon, Omonyale L. & Bokhour, Barbara

\*Center for Health Optimization & Implementation Research (CHOIR), Bedford, MA

#### **Evaluation of Small Airway Effect in Cleaning Workers With Impulse Oscillometry**

Gültekin, Betül\*; Güngördü, Nejdeye & Gemicioğlu, Bilun

\*Istanbul University-Cerrahpaşa, Istanbul, Turkey

#### **The Relationship Between Musculoskeletal Pain With Depression and Burnout Among Fast-Food Chain Workers in Taiwan: A Cross-sectional Study**

Huang, Yu-Shan\*; Lin, Cheng-Fu & Chu, Wei-Min

\*Taichung Veterans General Hospital, Taichung, Taiwan

#### **Dream BIG! Empowering Employee Well-being Through Wellness Coaching: A Program and Process Evaluation**

Martinez Kercher, Vanessa M.\*; Heeter, Kathleen N. & Kercher, Kyle A.

\* Indiana University, Indiana

### **Is Honesty the Fee for Vulnerability? Gender-Based Evaluation of Workers' Sick Leave Determinants Around the COVID-19 Pandemic**

Gonzalez-Alegre, Juan\*; Arespa-Castello, Marta & Miguel Ángel

\*University of Málaga, Málaga, Spain

### **Prevalence and Risk Factors for Long COVID Among California Workers Captured by a Doctor's First Report-Based Surveillance System**

Wambui, David\*; Fiellin, Martha & Vergara, Ximena

\*Heluna Health, City of Industry, California

### **Does Job Strain Influence Prolong Fatigue? Survey in Kaohsiung City Using Checklist Individual Strength and Chinese Version New Brief Job Stress Questionnaire**

Lai, Hsiao-Ching\*; Lin, Chia-Pin & Kawakami, Norito

\*Kaohsiung Medical University Hospital, Taiwan

### **Association of Physical Health Indices With Antidepressant and/or Anxiolytic Use in Former US Coal Miners**

DeVaughn, Alissa\*; Go, Leonard H.T.; & Almberg, Kirsten S.

\*University of Illinois Chicago, Chicago, Illinois

### **Relationship Between Work-Related Behavior and Experience Patterns and Health Impairments**

Jermolajew, Alexandra\*; Thielmann, Beatrice & Böckelmann, Irina

\*Otto von Guericke University Magdeburg, Saxony-Anhalt, Germany.

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## **ORIGINAL ARTICLES**

### **Analysis of Recognized Occupational Infectious Diseases in Germany Between 2018 and 2023**

Kästner, Carolyn\*; Taeger, Dirk & Esmann, Lars

\*Federal Institute for Occupational Safety and Health (BAuA), Germany

### **Exercising Smart: Exploring the Impact of a University Staff Fitness Program on Employee Productivity and Cognition**

Powell, Jonah\*; Conlon, Jenny A. & Cripps, Ashley J.

\*The University of Notre Dame Australia, Western Australia

### **Seniority Versus Age in Work-Related Musculoskeletal Pain Among Preschool Educators**

Abreek-Sarhan, Nedonya\*; Ezra, David & Alperovitch-Najenson, Deborah

\*Ben-Gurion University of the Negev, Beer Sheva, Israel

### **Health Impacts of Acute Wildfire Smoke Exposure on the Active-Duty Military Population at Joint Base Lewis-McChord, Washington, USA**

Robinson, Mark S\*; Fredericks, Michael T.; & Mease, Luke E.

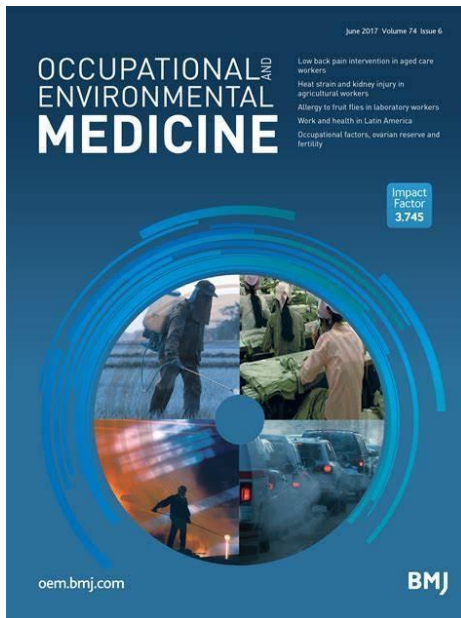
\*Madigan Army Medical Center, Tacoma, Washington.

## **ACOEM GUIDELINES**

### **Cannabis**

Feinberg, Steven D.\*; Aronoff, Gerald M. & Hegmann, Kurt T.

\*American College of Occupational and Environmental Medicine, Illinois.



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##### Day-to-day association of night work with musculoskeletal pain and other symptoms: results from the 1001 nights-cohort

Kirsten Nabe-Nielsen\*, Dagfinn Matre & Anne Helene Garde

\*National Research Centre for the Working Environment, Copenhagen

##### Pain predicts being out of work, especially for those with low job control: longitudinal analysis of adults in Australia

Lucía Macchia\*, Liam Delaney & Michael Daly

\*City St George's, University of London, London, UK

##### Rotating shift work, with night shift work, affects cardiovascular risk factors: a 6-year follow-up study in the insulation industry (

Marit Skogstad\*, Sarah Alsaedi & Hans Christian Dalsbotten Aass

\*National Institute of Occupational Health, Oslo, Norway

## **Exposure assessment**

### **Associations between shift work arrangements, sleep characteristics, urinary cortisol and melatonin levels among nurses in Hong Kong**

Beixi Li\*, Wenzhen Li & Lap Ah Tse

\*The Chinese University of Hong Kong, Hong Kong, People's Republic of China

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### **Mental health effects of unemployment and re-employment: a systematic review and meta-analysis of longitudinal studies**

Tom Sterud\*, Lars-Kristian Lunde & Fiona Aanesen

\*National Institute of Occupational Health, Oslo, Norway

### **Facilitators and barriers to implementing Hearing Conservation Programmes in industrial workplaces: a systematic review**

Hanis Syazwani Ab Fatah\*, Siti Munira Yasin & Mohammad Nasir Abdullah

\*Universiti Teknologi MARA, Sungai Buloh, Malaysia

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Joel Luedke\*, Jessica Hinman & Andrew R Jagim

\*Olmsted Medical Center Department of Research, Rochester, Minnesota, USA

#### **Protracted exposure to low-dose ionising radiation and cancer incidence among Canadian nuclear power plant workers**

Patrick Hinton\*, Laura Andrea Rodriguez-Villamizar & Paul J Villeneuve

\* University of Toronto, Toronto, Ontario, Canada

#### **Emergency responders' return to work after injury/disease sustained during periods of extreme bushfires**

Janneke Berecki-Gisolf\*, Win Wah & Karen Walker-Bone

\*Monash University, Melbourne, Victoria, Australia

#### **Work-related asthma symptoms and lung function among workers in the Norwegian salmon processing industry: a cross-sectional study**

Carl Fredrik Fagernæs\*, Hans Thore Smedbold & Sindre Rabben Svedahl

\*St Olavs Hospital Trondheim University Hospital, Trondheim, Norway

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### **Night shift work and risk of colorectal cancer: a prospective cohort study among 56 477 female nurses in the Netherlands**

Linske de Bruijn\*, Nina E Berentzen & Michael Schaapveld

\*Utrecht University, Utrecht, The Netherlands

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#### **Infertility burden among women firefighters: a cross-sectional exploratory analysis**

Alesia M Jung\*, Sara A Jahnke, Leslie K Dennis, Melanie L Bell, Jefferey L Burgess, Leslie V Farland

\*Health Sciences, Exponent Inc, Menlo Park, California, USA

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#### **Dose-response relationship of cadmium and pancreatic cancer risk: a meta-analysis**

Fu-Jen Lee\*, Hathaichon Inchai & Ro-Ting Lin

\*Fu Jen Catholic University Hospital, Taiwan

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#### **How is the mental health of teachers faring? A 10-year follow-up study of depressive symptoms and job dissatisfaction in the CONSTANCES cohort**

Justine Wenta\*, Nathalie Billaudeau & Marie-Noël Vercambre

\*Sorbonne University, Faculty of Health, Paris, France

#### **Non-malignant kidney diseases in Danish firefighters**

Julie Elbaek Pedersen, Kajsa Kirstine Ugelvig & Johnni Hansen

\*Copenhagen University Hospital - Bispebjerg and Frederiksberg, Denmark

#### **Psychosocial working conditions during pregnancy and adverse pregnancy outcomes: a Danish nationwide register-based cohort study**

Camilla Sandal Sejbaek, Ida E H Madsen & Luise Moelenberg Begtrup

\*Copenhagen University Hospital, Denmark

#### **Occupational exposures to inorganic dust are associated with emphysema: the SCAPIS cohort**

Mathias Holm\*, Linus Schioler & Kjell Torén

\*University of Gothenburg, Gothenburg, Sweden

#### **Gene-occupational exposure interactions in small airways obstruction in the UK Biobank: a cross-sectional study**

Valentina Quintero Santofimio\*, Diana van der Plaat & Andre F S Amaral

\* Imperial College London, London, UK

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#### **Physical activity interventions and musculoskeletal health in surgeons: a systematic review and meta-analysis**

Claus Kjærgaard\*, Alexander Jahn & Annett Dalbøge

\* Aalborg University, Aalborg, Denmark

## **Association of maternal exposure to trace elements and toxic metals with repeated measurements of foetal and early-childhood growth: a systematic review**

Yingying Zuo\*, Yanyan Jiang & Fang-biao Tao  
\*Anhui Medical University, Hefei, Anhui, China

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#### **Occupational risk assessment: lessons from the MSHA Silica Rule**

Ellen A Eisen\*, Sadie Costello & Gregory Wagner  
\*University of California Berkeley, California, USA

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#### **Atrazine use and markers of kidney function and nephrotoxicity among male farmers in the Biomarkers of Exposure and Effect in Agriculture Study**

Gabriella Andreotti\*, Joseph J Shearer & Jonathan N Hofmann  
\* National Cancer Institute, National Institutes of Health, Bethesda, USA

#### **Association between daily long working hours and actigraphic sleep, vigilance, blood pressure and psychological responses: a 10-day observational study among Japanese daytime workers**

Hiroki Ikeda\*, Tomohide Kubo & Xinxin Liu  
\* Japan Organization of Occupational Health and Safety, Japan

#### **Low-dose occupational ionising radiation exposure and gastrointestinal cancer mortality among US radiologic technologists, 1983–2021**

Jim Z Mai\*, Raquel Velazquez-Kronen & Cari M Kitahara  
\*National Cancer Institute Division of Cancer Epidemiology and Genetics, Bethesda, USA

#### **Peritoneal mesothelioma and asbestos exposure: a population-based case–control study in Italy, 2000–2021**

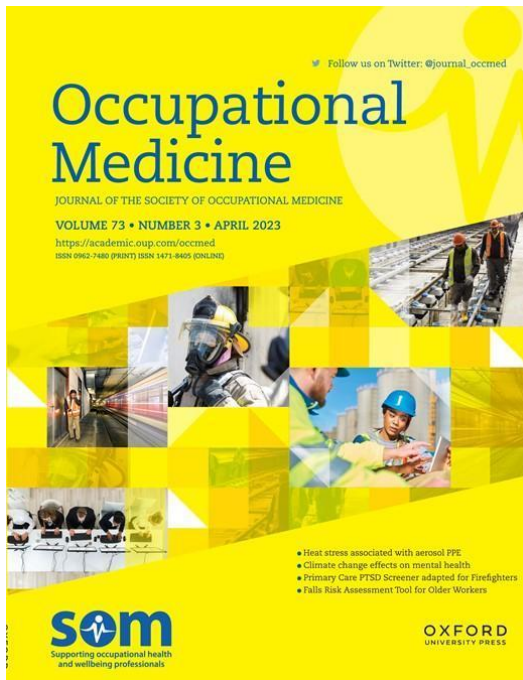
Dario Consonni\*, Enrica Migliore & Carolina Mensi  
\*Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milan, Italy

#### **Association between maternal occupation as a cleaner/maid/janitor during early pregnancy and selected birth defects in the National Birth Defects Prevention Study**

Yining Yang\*, Michele L Herdt & Meredith M Howley  
\*New York State Department of Health, USA

#### **Cause-specific mortality among banana plantation workers in the French West Indies**

Danièle Luce\*, Juliette Gambaretti & Christine Barul  
\*Univ Rennes, France



## OCCUPATIONAL MEDICINE

Volume 75, Issue 6, August 2025

**Special Issue: Mental health**

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#### Workplace mental health screening for trauma-exposed workforces

Neil Greenberg\* and David Forbes

\*Institute of Psychiatry Psychology and Neuroscience, King's College London, London, UK

### VIEW ARTICLE

#### The world's psychiatrists update their position on Workforce mental health

Richard J L Heron\*, Norito Kawakami & Neil Greenberg

\*Department of Psychology, Faculty of Health and Medical Sciences, University of Surrey

#### Mental health and rapid societal evolution: an occupational prevention challenge

Antonello Veltri\* Fabrizio Caldi & Rodolfo Buselli

\*Azienda Ospedaliero-Universitaria Pisana, Italy

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### **Honoré Daumier, Lawyers and Justice Plate 16, 1863**

Paul J Nicholson

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M Jin\*, M Swainson & A Morris

\*Lancaster University, United Kingdom

### **Systematic review and meta-analysis on the mental health of emergency and urgent call-handlers and dispatchers**

C Osório\*, S Talwar & J Billings

\* University College London (UCL), UK

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J D Richardson\*, J J W Liu & A Nazarov

\*Western University, London, Canada

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### **Burnout in health care: risk factors and solutions**

Gail Kinman\* & Kevin Teoh

\*Birkbeck University of London, London, UK

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### **Warwick-Edinburgh Mental Well-being Scale**

Gail Kinman

## **ORIGINAL PAPERS**

### **Mental health and employment outcomes in working-age US adults, 2010–2019**

J Jou\* A Hicks & P J Johnson

\*California State University—Long Beach, Long Beach, USA

### **Occupational well-being of diplomatic personnel: a qualitative study**

S K Brooks\* D Patel, N Greenberg

King's College London, London, UK

### **Doctors with mental health difficulties and ADHD**

B Perera\* & Z Al-Najjar

\*University College London, UK

### **Association of classroom-level stressors with psychological distress in teachers**

D Titheradge\*, A Albajara Sáenz & T Ford

\*University of Bristol, Bristol, UK

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### **Psychosocial risk factors and perceived health of medical residents**

V Olivé\*, R Navinés & R Martin-Santos

\*Universitat de Barcelona, Spain

### **Well-being of persons preparing extensive health and social services reform**

J Laitinen\*, K Selander & R Nikunlaakso

\*Finnish Institute of Occupational Health, Finland

## **VIEW ARTICLE**

### **Organizational stress and determinants of help-seeking among attorneys**

K J Black\* T W Britt & A Lesswing

\*University of Tennessee at Chattanooga, USA

### **Remote work and mental health among employed US adults**

Weng In Leong\*Lijing Wei & Jemar R Bather

\*New York University School of Global Public Health, USA

### **Prevalence of poor self-rated health and common mental disorder among persistently precarious employed adults**

Andrew Pulford\*, Michael Green & Srinivasa Vittal Katikireddi

\*University of Glasgow, Scotland, UK

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### **Handbook of Physician Mental Health Clare Gerada**

John Harrison

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**In this issue, we celebrate the 90th Anniversary of the Society of Occupational Medicine (SOM)**

Steven Nimmo

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### **90 years SOM then and now**

Paul J Nicholson\* and Neil Greenberg

\*County Hall Apartments, London, UK

## **ART AND OCCUPATION**

### **Opening of the First Public Railway—The Stockton and Darlington. September 27th, 1825, c.1875. John Dobbin**

Paul J Nicholson\*

\*County Hall Apartments, London, UK

## **GUIDELINES**

### **Understanding sickness presenteeism: causes, risks and solutions: guidelines series**

G Kinman\* and C Grant

\*University of London, Malet Street, London, UK.

## **QUESTIONNAIRE REVIEW**

### **Bergen Shift Work Sleep Questionnaire—BSWSQ**

Ferreira Fernando Carlos\*, Costa Rui Jorge Dias & Marques Daniel Ruivo

## **ORIGINAL PAPERS**

### **Respiratory conditions and pesticide exposure in British pesticide applicators**

D Fishwick\*, A H Harding & G Nicholls

\*HSE Science and Research Centre, Health and Safety Executive (HSE), UK

### **Occupational physical activity and stroke mortality in male Swedish construction workers between 1971 and 2015**

J Öhlin, A Stjernbrandt & P Liv

\*Umeå University, Sweden.

### **Factors associated with excessive daytime sleepiness among firefighters in Indonesia**

E Harlynadia\*, D Y Fitriani & A Fuady

\*University of Indonesia, Indonesia

### **A coaching intervention to improve physician mental health and well-being during COVID-19**

A Gayed, N Kugenthiran & S B Harvey

\*University of New South Wales, Sydney, Australia

### **Elbow osteoarthritis and occupational mechanical exposures: a systematic review and meta-analysis**

A Jahn\*, C Kjærgaard & A Dalbøge

\*Aarhus University Hospital, Denmark

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### **The association between irregular working hours and cardiovascular diseases in a multi-ethnic population: the HELIUS study**

Gilbert W M Wijntjens, Ali Dehghani & Frederieke G Schaafsma

\* Amsterdam Public Health Research Institute, Amsterdam

### **Exertional heat illness: employment outcomes following military heat tolerance assessment**

H Cummin\*, A Shaw & A Allsopp

\*Institute of Naval Medicine, UK

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### **Occupational horizontal pushing inducing massive haemothorax: an unusual case report**

M Abraham\* and B Abraham

\*McMaster University, Canada

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#### The COVID-19 pandemic and occupational health—transitioning to the new normal

Alvin Tan\*, Wee Hoe Gan & David Koh

\*Ministry of Health Holdings Pte, Singapore

#### Direct-to-consumer occupational health monitoring: opportunities, concerns, ethical considerations

Lode Godderis\*, Charles Decree & Tuur Devooght

\*Public Health and Primary Care, Katholieke Universiteit Leuven, Belgium

### ART AND OCCUPATION

#### Georgius Agricola, *Di Re Metallica*,

Paul J Nicholson

#### Édouard Manet, *The Dead Toreador*, c.1864

Paul J Nicholson

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#### Guidelines on the use of psychometric assessments in occupational health

K R H Teoh\* A McDowall & G Kinman

\*Birkbeck, University of London, London, UK

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#### The C19-YRSm questionnaire for Long COVID

Clare Rayner\* & Jane Clarke

\*Consultant Occupational Physician

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#### Interventions for promoting physical activity and/or reducing sedentary behaviour in older workers: a scoping review

Amelia Parchment\*, Sheena Johnson & Chris Todd

\*The University of Manchester, UK

#### Radiological progression of pneumoconiosis cases over a 5-year follow-up and contributing factors: retrospective cohort study

M Acun Pinar\*, G Sari & C Şimşek

\*Gazi Yaşargil Training and Research Hospital, Türkiye

#### Web-based high-intensity interval training with calorie restriction for workplace metabolic-syndrome

R So\*, F Murai & T Matsuo

\*National Institute of Occupational Safety and Health, Japan

#### Gendered impacts of precarious employment on mental health: UK longitudinal data

L Tanzini\* and M Julià

\*University of Bologna, Italy

### **Night shifts and sleep among Chinese nursing students on internship**

H Shen\*, N Cui & J Bian

\*Shandong University, Jinan City, China

### **Work-related airways disease and risk factors in Mozambiquan wood processing workers**

P S Chamba\*, R Baatjies & M F Jeebhay

\*Eduardo Mondlane University, Mozambique

## **CASE REPORT**

### **Caplan syndrome in the 21st century: Cavitory nodules and delayed rheumatoid arthritis**

Y S Hasanli\*

\*Ministry of Health Ankara Etlik City Hospital, Turkey.

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Alvin Tan\*, Wee Hoe Gan & David Ko

Ministry of Health Holdings, Singapore

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\*Katholieke Universiteit Leuven, Leuven, Belgium

## **ART AND OCCUPATION**

### **Georgius Agricola, Di Re Metallica**

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Amelia Parchment\*, Sheena Johnson & Chris Todd

\*University of Manchester, UK

### **Leadership and management competencies in occupational health: scoping review of the scientific and grey literature**

C Peach\* & S Vargas-Prada

\*Peach Wellness, Glasgow, UK

### **Radiological progression of pneumoconiosis cases over a 5-year follow-up and contributing factors: a retrospective cohort study**

M Acun Pinar\*, G Sari, C Şimşek

\*Division of Occupational Diseases, Gazi Yaşargil Training and Research Hospital, Türkiye

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\*Hospital del Mar Research Institute, Spain

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\*School of Nursing and Rehabilitation, Shandong University, China

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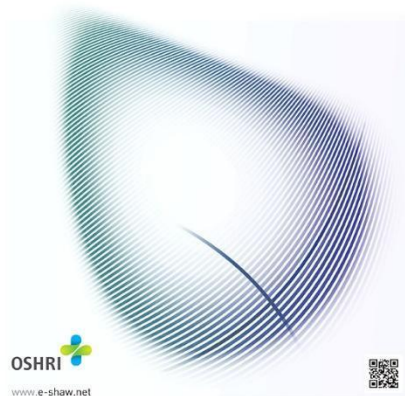
P S Chamba\*R Baatjies & M F Jeebhay

\*University of Cape Town, South Africa.

### **Caplan syndrome in the 21st century: Cavitory nodules and delayed rheumatoid arthritis**

Y S Hasanli\*

\*Ministry of Health Ankara Etlik City Hospital, Turkey



## **SAFETY AND HEALTH at WORK**

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Zhen Hu\*, Siyuan Li & Siyi Li

\*Shanghai Normal University, Shanghai, China

##### **Long Working Hours and Dyslipidemia: A Systematic Review and Meta-analysis**

Chan Young Lee\*, Seung Yeon Jeon & Mo-Yeol Kang

\* The Catholic University of Korea, Seoul, Republic of Korea

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\* Silesian University of Technology, Poland

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Shobhan Das\*, Tilak C. Nath & Atin Adhikari

\* Georgia Southern University, USA

**Enterprise Characteristics Were Associated With Adherence to a Dialog-based Inspection Practice Aimed at Improving Occupational Safety and Health in Denmark**

Mikala E. Jakobsen\*, Asta Kjærgaard & Jeppe Z.N. Ajslev

\* The National Research Centre for the Working Environment, Denmark

**Development of Korean CARcinogen Exposure: IARC Group 2A Carcinogens**

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\* Yonsei University, Seoul, Republic of Korea

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\* Korea University College of Medicine, Republic of Korea

**Quantitative Analysis of the Factors that Influence Welding Fume Exposure via ART Modelling**

Wei Jiang\*, Yuan Xu & Shengxiang Ma

\* China University of Mining & Technology (Beijing), China

**Occupational Safety and Health Risks of Informal Waste Workers in Nepal: A Mapping Review**

Samikshya Badal\*, Kyle Holland & Aurora B. Le

\* Texas A&M University, College Station, USA

**Differences in Upper Extremity Muscle Activity, Neck Angle, and Body Discomfort Between Tablet Usage With Virtual Keyboard and Bluetooth Keyboard**

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\* Walailak University, Thailand

**Ineffectiveness of Water Mist Spray to the Upper Body of Healthy Adults in Suppressing Core Temperature Under Windless Environment**

Kimie Fukuzawa\*, Kimiyo Mori & Seichi Horie

\* Institute of Industrial Ecological Sciences, University of Occupational and Environmental Health (UOEH), Japan

**From Safety Climate to Life Satisfaction: The Mediating Role of Job Stress and Job Satisfaction**

Abdül Halim Özkan\* & Oğuz Başol

\* Kırklareli University, Türkiye

**Risk for Diabetes From Long Working Hours and Night Work in the United States: Prospective Associations and Machine Learning Techniques**

Elizabeth Keller\*, Liwei Chen & Jian Li

\* University of California Los Angeles, United States

**Development and Application of Standard Codes for the National Exposure Surveillance System Utilizing Korea's Nationwide Exposure Database**

Sangjun Choi\*, Ju-Hyun Park & Hoekyeong Seo

\* The Catholic University of Korea, Republic of Korea

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Baderin Osman\*, Muhammad Zubir Yusof & Haalah Mahmud \* National Institute of Occupational Safety and Health, Bandar Baru Bangi, Malaysia

### **Approach to Chemical Health Risk Assessment for Maintenance Workers at Electronics Manufacturing Facilities**

Kyong-Hui Lee\*, Sangjun Choi & Dong-Uk Park  
\* The Catholic University of Korea, Republic of Korea

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#### **Occupational Health Issues in the Seafood Industry Due to Biological Exposures: A Narrative Review**

Lars Andrup\*, Niels Hadrup & Anne Mette Madsen  
\*The National Research Centre for the Working Environment, Copenhagen, Denmark

#### **Review of Successful Workplace Interventions to Mitigate Work-related Musculoskeletal Disorders in Poultry Processing Plant Workers: Current Knowledge and Future Prospects**

Philip G. Crandall\*, Corliss A. O'Bryan & Yihong Feng  
\*University of Arkansas-Fayetteville, Fayetteville, USA

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#### **Age–Period–Cohort Analysis of Health-related Work Limitations: Results From Global Aging Data**

Dong-Wook Lee\*, Min Young Park & Mo-Yeol Kang  
\*Inha University College of Medicine, Incheon, Republic of Korea

#### **Standardized Incidence Ratio of Melanoma by Industry Groups in Korea**

Kihun Kim\*, Woo-Ri Lee & Jin-ha Yoon  
\*Pusan National University Yangsan Hospital, Yangsan, Republic of Korea

#### **Dynamics of COVID-19 Risk Perception in Indonesia: A Consecutive Cross-sectional Study From 2020 to 2022**

Mila Tejamaya\*, Amelia A. Putri & Yahya Thamrin  
\*Faculty of Public Health, Universitas Indonesia, Depok, Indonesia

#### **Building Diverse, Equitable, and Inclusive Organizational Culture to Support Worker Mental Health and Wellbeing: A Qualitative Study of Employer and Worker Perspectives in Ontario Construction Skilled Trades**

Zhiyang Shi\*, Aaron Howe & Behdin Nowrouzi-Kia  
\*University of Toronto, Canada

#### **Occupational Toxic Effect Episodes in a University Hospital, 2021–2024: A Descriptive Analysis Within the Korean Occupational Disease Surveillance Center**

Yangwoo Kim\*, Ha-Eun Lee & Tae-Won Jang  
\*Hanyang University Hospital, Seoul, Republic of Korea

#### **Chemical Exposure Assessment in Traditional Korean Pottery Workplaces**

Jongsu Kim\*, Sungyo Jung & Chungsik Yoon  
\*Seoul National University, Seoul, Republic of Korea

### **Trends in Occupational Skin Disease among Korean Workers (2006–2017): Insights Into Declining Prevalence and Demographic Shifts**

Jong-Sun Park\*, Eun-Kee Park & Gil-Soon Choi

\*Korea Occupational Safety and Health Agency, Ulsan, Republic of Korea

### **Predicting the Risk of Burnout Syndrome Using Korean Occupational Stress Scale (KOSS): A Machine Learning Approach**

Hyeonju Jeong\*, Seong-Cheol Yang & Hyung Doo Kim

\*Chonnam National University, Gwangju, Republic of Korea

### **Job Loss and Early-onset Dementia Risk in Middle-aged Adults: A Longitudinal Study**

Heejoo Park\*, Jian Lee & Jin-Ha Yoon

\*Yonsei University, Seoul, Republic of Korea

### **Experiences of Workplace Bullying Among Workers With Work-related Musculoskeletal Disorders: A Qualitative Assessment Using the Negative Acts Questionnaire**

Ching-Yu Lin Pei-Hua Chung\*, Po-Han Lee & Yawen Cheng

\*National Taiwan University, Taiwan

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Ali Afsharian May Young Loh & Maureen Frances Dollard

\*University of South Australia, Adelaide, Australia

### **Role-clarity, Attitudes, and Behavioral Control Predict Stakeholders' Involvement in Work-related Psychosocial Risk Management**

Emma Steel\*, Katharina Näswall & Sanna K. Malinen

\*University of Canterbury, Christchurch, New Zealand

### **Association of Concurrent Clusters of Physical Inactivity and Unhealthy Lifestyle Habits with Common Mental Disorders among Primary Healthcare Workers: Insights from a large sample cross-sectional analysis in Brazil**

Fernanda Queiroz Rego de Sousa Lopes\*, Saulo Vasconcelos Rocha & Tânia Maria de Araújo

\*State University of Feira de Santana, Feira de Santana, Bahia, Brazil

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### **Occupational Risk of COPD: Insights from a Large Cohort Study**

Haoxuan Yu\* & Zhiping Yu

\*Monash University Malaysia, Selangor, Malaysia

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Schawanya K. Rattanapitoon\*, Natnapa H. Padchasuwan & Nathkapach K. Rattanapitoon

\*Khon Kaen University, Khon Kaen, Thailand



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**Improving health-promoting workplaces through interdisciplinary approaches. The example of WISEWORK-C, a cluster of five work and health projects within Horizon-Europe**

De Moortel D\*, Turner MC & Gonzalez V

\*Vrije Universiteit Brussel, Brussels, Belgium

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**Effectiveness of leader-targeted stress management interventions: A systematic review and meta-analysis**

Dannheim I\*, Ludwig-Walz H & Kroke A

\*Fulda University of Applied Sciences, Germany

**Shift workers' experiences and views of sleep disturbance, fatigue and healthy behaviors: a systematic review and qualitative evidence synthesis**

Benton JS\*, Lee CL & French DP

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**Night-shift work and susceptibility to infectious diseases: a systematic review and meta-analysis**

Loef B\*, Bosma E & Dollé MET

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\*Physical Fitness Research Institute, Tokyo

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Koch M\*, Lunde L-K & Veiersted KB

\*National Institute of Occupational Health, Norway

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Sauter M\*, Backé E & Hegewald J

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## LETTER TO THE EDITOR

### Advice on better utilization of validation data to adjust odds ratios for differential exposure misclassification (recall bias)

Burstyn I\*, Luta G

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## AUTHOR'S REPLY

### Response to Drs. Igor Burstyn and George Luta's letter: Advice on better utilization of validation data to adjust odds ratios for differential exposure misclassification (recall bias)

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Jaspers S\*, Karlsen I, Aust B

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\*Debre Tabor University, Ethiopia

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\*Heinrich-Heine University Düsseldorf, Germany

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\*University of Groningen, The Netherlands.

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\*University of Melbourne, Melbourne, Australia

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\*University of Copenhagen, Denmark

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\*Carleton University, Canada

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\*Institution of Environmental Medicine, Sweden

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\*National Radiation Emergency Medical Center, Republic of Korea

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\*Institute of Environmental Medicine, Karolinska Institutet, Stockholm

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\*University of Helsinki, Finland.

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\*The Swedish School of Sport and Health Sciences, Stockholm

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\*University of Monastir-Tunisia

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