## **Contents of INDUSTRIAL HEALTH**

## Volume 57, 2019

No. 1
SPECIAL ISSUE: TOWARD THE HARMONIZATION OF WORK WITH TREATMENT AND PREVENTION OF DISEASE
Editorial
Harmonizing work with diseases treatment and prevention  Go MUTO, Kazuhito YOKOYAMA, Motoki ENDO, Yoshihisa FUJINO
Review Article
Harmonizing work with the treatment and prevention of sleep disordered breathing in commercial motor vehicle drivers: implications for health and productivity management
Hiroo WADA, Manami KIMURA, Ryutaro SHIRAHAMA, Tomokazu TAJIMA, Koutatsu MARUAYAMA, Motoki ENDO, Ai IKEDA and Takeshi TANIGAWA
Original Articles
Information exchange using a prescribed form and involvement of occupational health nurses promotes occupational physicians to collaborate with attending physicians for supporting workers with illness in Japan
Go MUTO, Rina ISHII-NAKAMURA, Kazuhito YOKOYAMA, Fumihiko KITAMURA, Yuki OMORI, Masahiko SAITO and Motoki ENDO10
Durations of first and second periods of depression-induced sick leave among Japanese employees: the Japan sickness absence and return to work (J-SAR) study  Motoki ENDO, Yasuo HARUYAMA, Kiyomi MITSUI, Go MUTO, Chihiro NISHIURA, Keisuke KUWAHARA, Hiroo WADA and Takashi TANIGAWA
What causes patients with breast cancer to change employment?: evidence from the health insurance data in a medical facility  Ryoko TAGUCHI, Yukako OKUDE and Mitsue SAITO
A cooperative support model for cancer therapy and employment balance: from focus-group interviews of health and business professionals  Miho TAKAHASHI, Chika UETAKE, Naoko NAKAYAMA, Akiko EURA, Natsumi YAMAGUCHI, Yui KAMEDA, Go MUTO, Motoki ENDO, Kayo KAWAMATA, Tomoko FUJII, Hiroyuki OKA and Ko MATSUDAIRA
Improving the job-retention strategies in multiple sclerosis workers: the role of occupational physicians Benedetta PERSECHINO, Luca FONTANA, Giuliana BURESTI, Grazia FORTUNA, Antonio VALENTI and Sergio IAVICOLI
Characteristics of self-reported daily life note (LN) users in return-to-work judgment for workers on sick leave due to mental health conditions, and usefulness of the tool  Akira KUSUMOTO, Shigeyuki KAJIKI, Yoshihisa FUJINO, Katsuyuki NAMBA,  Tomohisa NAGATA Masako NAGATA Akizumi TSUTSUMI and Koji MORI  70

Relationship between treatment and period of absence among employees on sick leave due to mental disease
Keiji MURAMATSU, Yoshihisa FUJINO, Tatsuhiko KUBO, Makoto OTANI and Shinya MATSUDA
Case Report
Toward the harmonization of work with treatment and prevention for patients with chronic respiratory failure
Hiroo WADA, Saki FUKUMOTO, Kengo TAMAMURA, Go MUTO, Jun UEKI and Takeshi TANIGAWA84
Field Report
Promoting and inhibiting factors for the use of validated dietary assessment questionnaires in health check-up counseling: from occupational health nurses and dietitians' perspective  Ryoko KATAGIRI, Go MUTO and Satoshi SASAKI
REGULAR ISSUE
Original Articles
Unique associations of the Job Demand-Control-Support model subscales with leisure-time physical activity and dietary energy intake
Christopher G. BEAN, Helen R. WINEFIELD, Amanda D. HUTCHINSON, Charli SARGENT and Zumin SHI99
Cardiac autonomic activity during simulated shift work Elena SKORNYAKOV, Shobhan GADDAMEEDHI, Gemma M. PAECH, Amy R. SPARROW, Brieann C. SATTERFIELD, Nita L. SHATTUCK,
Matthew E. LAYTON, Ilia KARATSOREOS and Hans P. A. VAN DONGEN
No. 2
SPECIAL ISSUE: SHIFTWORK HEALTH AND SAFETY: RISKS AND INTERVENTIONS—ICOH SCIENTIFIC COMMITTEE ON SHIFTWORK AND WORKING TIME/WORKING TIME SOCIETY CONSENSUS STATEMENT
Foreword
Foreword Stephen POPKIN and Frida Marina FISCHER
Editorial
International consensus statements on non-standard working time arrangements and occupational health and safety
Imelda S. WONG, Drew DAWSON and Hans P.A. VAN DONGEN
Review Articles
Working Time Society consensus statements: Evidence-based effects of shift work on physical and mental health
Claudia R.C. MORENO, Elaine C. MARQUEZE, Charli SARGENT, Kenneth P. WRIGHT Jr, Sally A. FERGUSON and Philip TUCKER

Working Time Society consensus statements: Circadian time structure impacts vulnerability to xenobiotics—relevance to industrial toxicology and nonstandard work schedules  Michael H. SMOLENSKY, Alain E. REINBERG and Frida Marina FISCHER	158
Working Time Society consensus statements: Psychosocial stressors relevant to the health and wellbeing of night and shift workers	
Frida Marina FISCHER, Aline SILVA-COSTA, Rosane Harter GRIEP, Michael H. SMOLENSKY, Philip BOHLE and Lucia ROTENBERG	175
Working Time Society consensus statements: Evidence-based effects of shift work and non-standard working hours on workers, family and community  Anna ARLINGHAUS, Philip BOHLE, Irena ISKRA-GOLEC, Nicole JANSEN, Sarah JAY and Lucia ROTENBERG	184
Working Time Society consensus statements: Individual differences in shift work tolerance and recommendations for research and practice  Jennifer RITONJA, Kristan J. ARONSON, Raymond W. MATTHEWS, Diane B. BOIVIN and	
Thomas KANTERMANN	201
Working Time Society consensus statements: Evidence based interventions using light to improve circadian adaptation to working hours	
Arne LOWDEN, Gülcin ÖZTÜRK, Amy REYNOLDS and Bjørn BJORVATN	213
Working Time Society consensus statements: A multi-level approach to managing occupational sleep-related fatigue  Imelda S. WONG, Stephen POPKIN and Simon FOLKARD	228
	220
Working Time Society consensus statements: Regulatory approaches to reduce risks associated with shift work—a global comparison  Johannes GÄRTNER, Roger R. ROSA, Greg ROACH, Tomohide KUBO and Masaya TAKAHASHI	245
	273
Working Time Society consensus statements: Prescriptive rule sets and risk management-based approaches for the management of fatigue-related risk in working time arrangements	
Kimberly A. HONN, Hans P.A. VAN DONGEN and Drew DAWSON	264
No. 3	
Editorial	
Importance of hazard identification in risk management	
Siok Lin GAN	281
Review Articles	
Metabolic energy cost of workers in agriculture, construction, manufacturing, tourism, and transportation industries	
Konstantina P. POULIANITI, George HAVENITH and Andreas D. FLOURIS	283
Design considerations for low-level risk personal protective clothing: a review  Christopher WATSON, Olga TROYNIKOV and Helen LINGARD	306
Original Articles	
Reliability and validity of the Japanese version of the Feedback Environment Scale (FES-J) for workers  Hiroko MOMOTANI and Yasumasa OTSUKA	326

Effects of occupation on intracerebral hemorrhage-related deaths in Inner Mongolia	
Liqun GAO, Maolin DU, Jiayi LI, Neng jun ZHAO, Ying YANG, Chao DONG, Xiao ling SUN, Baofeng CHI, Qingxia WANG, Wenting CHEN, Chunfang TIAN, Nan ZHANG, Lehui LI, Li wei NIU, Huiqiu ZHENG, Han BAO, Yan LIU and Juan SUN	342
Work-to-family conflict rather than family-to-work conflict is more strongly associated with sleep disorders in Upper Egypt  Ehab Salah ESHAK	351
Evaluation of a proposed chair with an arm support for wiring terminal blocks on a vertical plane  Hsieh-Ching CHEN, Yung-Ping LIU, Wei-Hsien HONG, You-Chuan LIN and Chi-Yuang YU	359
Frequency of firefighters' heat-related illness and its association with removing personal protective equipment and working hours  Siyeon KIM, Do-Hee KIM, Hyo-Hyun LEE and Joo-Young LEE	370
Identifying musculoskeletal issues and associated risk factors among clay brick kiln workers  Manoj Kumar SAIN and Makkhan MEENA	381
Short Communication  Evaluation of personal exposure of workers to indium concentrations in total dust and its respirable fraction at three Japanese indium plants  Ichiro HIGASHIKUBO, Heihachiro ARITO, Yoko EITAKI, Kenji ANDO, Akihiro ARAKI, Hidesuke SHIMIZU and Haruhiko SAKURAI	392
Does dispositional optimism moderate the relationship between role conflict and risk of disability retirement?  Line KRANE, Stein KNARDAHL and Morten Birkeland NIELSEN	
No. 4	
Editorial  Health effects of Radiofrequency Electromagnetic Fields (RF EMF)  Alicja BORTKIEWICZ	403
Review Articles	
The effectiveness of the functional movement screen in determining injury risk in tactical occupations Roger O. KOLLOCK, Madeline LYONS, Gabe SANDERS and Davis HALE	406
The factors influencing the eating behaviour of shiftworkers: what, when, where and why Charlotte C. GUPTA, Alison M. COATES, Jill DORRIAN and Siobhan BANKS	419
How do we assess musicians' musculoskeletal symptoms?: a review of outcomes and tools used	
Jessica STANHOPE, Dino PISANIELLO, Rebecca TOOHER and Philip WEINSTEIN	454

## **Original Articles**

Comparison of the International Classification of High-resolution Computed Tomography for occupational and environmental respiratory diseases with the International Labor Organization International Classification of Radiographs of Pneumoconiosis  Melahat Uzel ŞENER, Ceprail ŞIMŞEK, Şeref ÖZKARA, Hale EVRAN, İlke BURSALI and Atila GÖKÇEK	495
Assessment of risk factors for non-specific chronic disabling low back pain in Japanese workers—findings from the CUPID (Cultural and Psychosocial Influences on Disability) study  Ko MATSUDAIRA, Masaya TAKAHASHI, Mika KAWAGUCHI, Ayumi HAMAGUCHI, Yuri HAGA and Tadashi KOGA	503
Effects of light intervention on alertness and mental performance during the post-lunch dip: a multi-measure study  Taleb ASKARIPOOR, Majid MOTAMEDZADE, Rostam GOLMOHAMMADI,  Maryam FARHADIAN, Mohammad BABAMIRI and Mehdi SAMAVATI	511
Biological monitoring of occupational ethylbenzene exposure by means of urinalysis for un-metabolized ethylbenzene  Toshio KAWAI, Haruhiko SAKURAI and Masayuki IKEDA	525
Influence of workplace environment, working conditions and health status of taxi drivers on vehicle collisions or near-miss events  Mineko BABA, Genta MIYAMA, Daisuke SUGIYAMA and Masahito HITOSUGI	530
Associations of occupation, employment type and company size with actions related to health examinations among Japanese employees  Rumi SEKO, Miyuki KAWADO, Sayana SAITO, Takuma SHIBUYA,  Miho MIYAMOTO, Hiroya YAMADA, Hiroshige TANIWAKI and Shuji HASHIMOTO	537
Short Communication  Timing of Australian flight attendant food and beverage while crewing: a preliminary investigation Sally Lee PERRIN, Jillian DORRIAN, Charlotte GUPTA, Stephanie CENTOFANTI, Alison COATES, Lyla MARX, Karyn BEYNE and Siobhan BANKS	547
No. 5	
Editorial From "shift work that involves circadian disruption" to "night shift work" Masaya TAKAHASHI and Shigeki KODA	555
Review Article  Working against the biological clock: a review for the Occupational Physician  Alfredo COPERTARO and Massimo BRACCI	557
Original Articles  Role of metallothionein-like cadmium-binding protein (MTLCdBP) in the protective mechanism against cadmium toxicity in the testis  Hisayoshi OHTA, Yonggang QI, Kenichi OHBA, Tatsushi TOYOOKA and Rui-Sheng WANG,	570

Characteristics of anxiety and the factors associated with presence or absence of each anxiety among radiation decontamination workers in Fukushima	
Takeyasu KAKAMU, Tomoo HIDAKA, Tomohiro KUMAGAI, Takanobu JINNOUCHI, Sei SATO, Yusuke MASUISHI, Shota ENDO, Shinichi NAKANO, Kikuo KOYAMA and Tetsuhito FUKUSHIMA	580
Effectiveness of lumbar supports in low back functionality and disability in assembly-line workers	
Ana Vanessa BATALLER-CERVERO, Juan RABAL-PELAY, Luis Enrique ROCHE-SERUENDO, Belén LACÁRCEL-TEJERO, Andrés ALCÁZAR-CREVILLÉN, Jose Antonio VILLALBA-RUETE and Cristina CIMARRAS-OTAL	588
Factors associated with sleep quality of Thai intercity bus drivers	
Jindarat CHAIARD, Jirawan DEELUEA, Benjamas SUKSATIT and Wanpen SONGKHAM	596
Changes in thermal comfort, core temperature, and body weight during simulated parcel home-delivery in summer and winter	
Ami NAKAYAMA, Toshihito MITSUI, Tomonori NAKATA, Hiroyuki MABUCHI, Koichi KAWABATA, Hiroki YOSHIMATSU, Tomoyuki ITO, Kazuhiko MATSUNAGA, Masahiro KOSUGE, Yoshi-ichiro KAMIJO, and Fumihiro TAJIMA	604
Short Communications	
Accuracy of metabolic rate estimates from heart rate under heat stress—an empirical validation study concerning ISO 8996	
Peter BRÖDE and Bernhard KAMPMANN	615
Assessing the prevalence of hepatitis B virus infection among health care workers in a referral hospital in Kisantu, Congo DR: a pilot study	
Masaka Blandine LUNGOSI, Basilua Andre MUZEMBO, Nlombi Charles MBENDI, Natuhoyila Aliocha NKODILA, Nlandu Roger NGATU, Tomoko SUZUKI, Koji WADA, Nsukini Sebastien MBENDI and Ikeda SHUNYA	621
Field Reports	
Risk factors for occupational accidents in agricultural enterprises in Japan	
Goh ICHIHARA, Takehisa MATSUKAWA, Fumihiko KITAMURA and Kazuhito YOKOYAMA,	627
SOS—Appreciation overboard! Illegitimacy and psychologists' job satisfaction	
Maria Undine KOTTWITZ, Isabel Barbara PFISTER, Achim ELFERING, Steffen Erik SCHUMMER, Ivana IGIC and Kathleen OTTO	637
No. 6	
Editorial	
Informal employment as a frontier of occupational safety and health research	
Kaori FUJISHIRO	653

## **Review Articles**

A systematic review of the current evidence regarding interventions for anxiety, PTSD, sleepiness and fatigue in the law enforcement workplace	
Ty LEES, Jaymen L ELLIOTT, Simon GUNNING, Phillip J NEWTON, Tapan RAI and Sara LAL	655
Nanomaterials as a new opportunity for protecting workers from biological risk Antonella MANSI, Fabio BOCCUNI and Sergio IAVICOLI	668
Original Articles	
Little things matter: a daily diary study of the within-person relationship between workplace incivility and work-related rumination  Tim VAHLE-HINZ	676
Sleep for heart health: investigating the relationship between work day sleep, days off sleep, and cardiovascular risk in Australian train drivers	
Janine CHAPMAN, Anjum NAWEED, Carlene WILSON and Jillian DORRIAN	691
Association between unemployment and insomnia-related symptoms based on the Comprehensive Survey of Living Conditions: a large cross-sectional Japanese population survey Mitsuya MAEDA, Ronald FILOMENO, Yumi KAWATA, Tomoyo SATO, Koutatsu MARUYAMA, Hiroo WADA, Ai IKEDA, Hiroyasu ISO and Takeshi TANIGAWA	701
A free software to predict heat strain according to the ISO 7933:2018  Leonidas G. IOANNOU, Lydia TSOUTSOUBI, Konstantinos MANTZIOS and Andreas D. FLOURIS	711
Repeated measures study of the association between musculoskeletal symptoms and mental health in subway workers	
Yun-Sik CHO, Jae-Bum PARK, Soojeong KIM and Kyungjong LEE	721
Relationship between job satisfaction and sleep quality of female shift-working nurses: using shift type as moderator variable	
Wen-Pei CHANG and Yu-Pei CHANG	732
Short Communication	
Leukocyte telomere length is not affected by long-term occupational exposure to nano metal oxides	
Jaroslav A. HUBACEK, Daniela PELCLOVA, Dana DLOUHA, Pavel MIKUSKA, Stepanka DVORACKOVA, Stepanka VLCKOVA, Zdenka FENCLOVA, Jakub ONDRACEK, Martin KOSTEJN, Jaroslav SCHWARZ, Alex POPOV, Kamil KRUMAL, Vera LANSKA, Pavel COUFALIK, Sergej ZAKHAROV and Vladimir ZDIMAL	741
Research Strategy	
Burnout syndrome in Europe: towards a harmonized approach in occupational health practice and research	
Irina GUSEVA CANU, Olivia MESOT, Christina GYÖRKÖS, Zakia MEDIOUNI, Ingrid Sivesind MEHLUM and Merete Drevvatne BUGGE	745

Author Index to Volume 57 (2019)	753
Subject Index to Volume 57 (2019)	757
Acknowledgements	761