

# ACPE 2022

ISPE's 14th Asian Conference on Pharmacoepidemiology



## CERTIFICATE OF ATTENDANCE

This certificate is presented to

**Dr. Mohammad Bakhriansyah**

To certify the attendance of the 14th Asian Conference on Pharmacoepidemiology  
held in Tainan, Taiwan  
from October 21 to 23, 2022

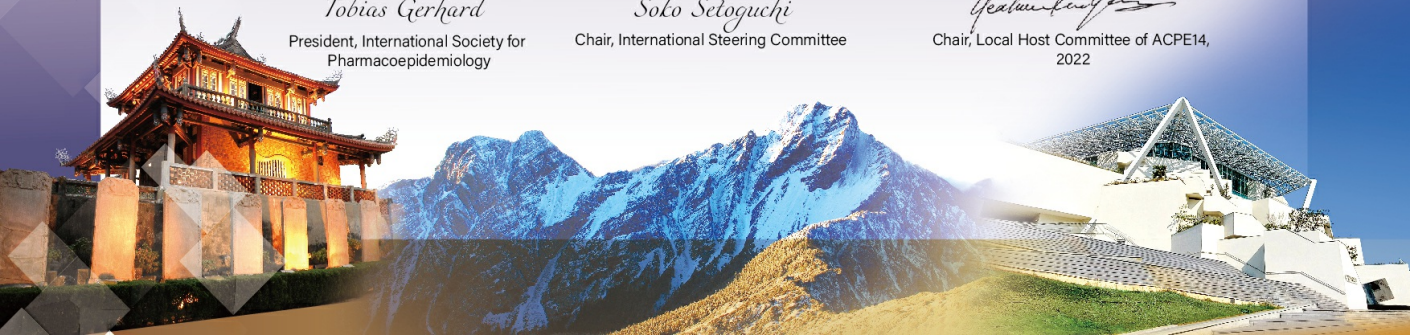
*Tobias Gerhard*

President, International Society for  
Pharmacoepidemiology

*Soko Setoguchi*

Chair, International Steering Committee

Chair, Local Host Committee of ACPE14,  
2022





## ePoster abstracts

### A. Pharmaceutical policy and administration

#### A.1

### Accessibility of palliative care medicines

**Mrs Anahit Amirkhanyan<sup>1</sup>**, Dr. Irina Kazaryan<sup>1</sup>, Dr. Marina Mirijanyan<sup>2</sup>

<sup>1</sup>*Yerevan State Medical University, Yerevan, Armenia*, <sup>2</sup>*Policlinic N4, Yerevan, Armenia*

**Aim/Objective:** Lack of access to palliative care medicines is observed in some countries. The aim of this work is to assess availability and affordability of essential palliative care medicines in Armenia.

**Methods:** The List of medicines registered in Armenia and pricelists of main wholesalers were analyzed to assess availability of tracer medicines. Affordability of tracer medicines was calculated using methodology developed by the World Health Organization and the Health Action International. Data on prices were collected from 5 community pharmacies in Yerevan (the capital of Armenia).

**Results:** 16 of 20 active ingredients listed in the World Health Organization (WHO) Model Essential Medicines List for pain and palliative care were authorized are available in pricelists. However, calculation made with taking into account dosage forms and doses of essential medicines, allowed to reveal that only 52.3% of 44 pharmaceutical forms and 44.4% of 63 strengths recommended by WHO for pain and palliative care medicines were authorized. Only 50.0% of recommended pharmaceutical forms and 33.3% of strengths were found in pricelists of local wholesalers. Cost of treatment with use of 15 essential medicines for palliative care was affordable; cost of treatment with use of two essential medicines for palliative care (lactulose, oral liquid, 3.1–3.7 g/5 ml and midazolam, injection, 5 mg/ml) was not affordable.

**Conclusion:** Despite the most of active ingredients recommended by the WHO for pain and palliative care are available in Armenia, most of recommended pharmaceutical forms and strengths for tracer medicines are not supplied due to which there is a lack of availability to these essential medicines. Some medicines are not affordable.

**Keywords:** Palliative care, essential medicines



## I.2

### Does Camellia sinensis tea reduce the risk of anxiety disorder for Covid-19 survivors? A cross-sectional study among medical students

**Mohammad Bakhriansyah<sup>1</sup>**, Ms VY Anhar<sup>1</sup>, Mr Sidnan Naufa Sulaiman<sup>1</sup>, Mr Faishal Muhammad Arrosyad<sup>1</sup>  
<sup>1</sup>*School of Medicine, Medical Faculty, Universitas Lambung Mangkurat, Banjarmasin, Indonesia*

**Introduction:** Covid-19 survivors are not uncommon to be seen as a source of the infection. This negative stigma might induce anxiety. To treat anxiety disorders, Camellia sinensis (C. sinensis) tea has been used. However, no studies evaluate the effect of the tea on the risk of anxiety disorder specifically among medical students who were Covid-19 survivors.

**Objective:** to evaluate the risk of anxiety disorder for C. sinensis tea drinkers compared to non-tea drinkers among medical students who were Covid-19 survivors

**Methods:** A cross sectional study was conducted among students from four undergraduate schools at Medical Faculty Universitas Lambung Mangkurat Banjarmasin-Banjarbaru, Indonesia in December 2021. Information about tea consumption and demographic data were collected from a questionnaire. Anxiety disorder was determined by using an online questionnaire, i.e., Zung Self-rating Anxiety Scale. Binomial logistic regression analysis was used to calculate Odds Ratios (ORs) and 95% confidence intervals (CIs).

**Results:** Of 129 respondents, 55 students (42.64%) had anxiety disorder and 74 students (57.36%) did not. Forty-three students (33.33%) did not drink the tea, while 71 students (55.04%) and 15 students (11.63%) drank the tea up to 1 glass and at least 2 glasses per day, respectively. Students who drank tea at least 2 glasses per day had a lower risk of anxiety disorder by 90.4% (Adj. OR 0.096, 95%CI; 0.015-0.615) than non-tea drinkers.

**Conclusions** C. sinensis tea was significantly associated with a lower risk of anxiety disorder by about 90% started from at least 2 glasses per day compared to non-drinkers among medical students who were Covid-19 survivors.

**Keywords:** Camellia sinensis, tea, anxiety disorder, Covid-19 survivors, medical students

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A.3	<b>A survey for investigating the present situation of use of real-world data by pharmaceutical companies and their demand</b> Haerin Cho, Ewha Womans University, South Korea
A.4	<b>Application of systematic approaches to assess factors associated with pharmaceutical expenditures: An illustrative study in the type 2 diabetes population</b> Yu-Hsuan Hsu, National Cheng Kung University, Taiwan
A.5	<b>Effectiveness analysis of business intelligence software applied to inhaled medication guidance</b> Chih-Hao Hung, Taichung Tzu Chi Hospital, Taiwan
A.6	<b>Medicines shortage and falsified medicines as urgent challenges for pharmaceutical policy</b> Irina Kazaryan, Yerevan State Medical University, Armenia
A.7	<b>A Systematics Review of essential antidotes for pesticides toxicity in emergencies care service in Thailand</b> Nantawarn Kitikannakorn, Chiang Mai University, Thailand
A.8	<b>Effectiveness of pharmaceutical care in patients with chronic kidney disease: An evidence from a tertiary hospital in Taiwan</b> Yen-Hao Liao, Linkou Chang Gung Memorial Hospital, Taiwan
A.9	<b>Performance indicators of operation management for refill prescription system in Thailand</b> Napatson Lumrod, Chiang Mai University, Thailand
A.10	<b>Drug expenditure target ensures drug quality in Taiwan</b> Pili Chih-Min Mao, Kaohsiung Veterans General Hospital, Taiwan
A.11	<b>The willingness of healthcare workers to get vaccinated against SARS-CoV-2: A systematic review and meta-analysis</b> Thai Thien Kim Nguyen, University of Medicine and Pharmacy at Ho Chi Minh City, Vietnam
A.12	<b>Law Enforcement of Regulations on Place, Equipment and Good Pharmacy Practice for Pharmacy in Thailand</b> Yongyuth Ruanta, Chiang Mai University, Thailand
A.13	<b>Predictors for readmission in patients with surgical site infection in a tertiary care setting</b> Shwetha Somakumar, Manipal Academy of Higher Education, India
A.14	<b>Investigating the impact of Chinese Zero Mark-up Drug Policy on drug costs for managing Parkinson's disease: A single-center analysis</b> Rui-Lin Wang, Peking University, China
A.15	<b>Seeing eye-to-eye on real-world evidence: Is guidance from Japan and China consistent with recommendations from REALISE in Asia?</b> Yan Ran Wee, Costello Medical, Singapore

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## B. Pharmacoepidemiology and Pharmacovigilance research methods

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B.2	<b>Knowledge and perception of vaccine pharmacovigilance and adverse event following immunization reporting among pharmacy students - An online-based cross-sectional study</b> Ramesh Bhandari, KLE College of Pharmacy, India
B.3	<b>Validation of clinical variables in the SingHealth COVID-19 Registry</b> Sze Ling Chan, SingHealth, Singapore
B.4	<b>Trends of antibiotic resistance and risk factors of carbapenem resistance in critically ill patients with Klebsiella pneumoniae bacteremia</b> Pei-Hsiang Chang, Kaohsiung Medical University, Taiwan
B.5	<b>Claims-Based Algorithms for Lactic Acidosis: What to Do in the Absence of Specific ICD-10 Codes?</b> Haoqian Chen, Rutgers, State University of New Jersey, United States
B.6	<b>Analysis of COVID-19 vaccine-related adverse drug reaction in a medical center in Southern Taiwan</b> Hung Yi Chen, National Cheng Kung University Hospital, Taiwan
B.7	<b>Outcomes with concurrent use of proton pump inhibitors and first-line afatinib in patients with advanced non-small cell lung cancer</b> Ying-Shan Chung, Chiayi Chang Gung Memorial Hospital, Taiwan
B.8	<b>Treatment with methylphenidate and the risk of fractures among children and young people: A self-controlled case series study</b> Le Gao, University of Hong Kong, Hong Kong
B.9	<b>Association of endocrine-disrupting chemicals exposure and risk of gestational hypertension and preeclampsia: A systematic review and meta-analysis</b> Amol Hirke, National Institute of Pharmaceutical Education and Research, Guwahati, India
B.10	<b>Elevation in serum uric acid levels predicts favorable response to EGFR inhibitors treatment in patients with metastatic NSCLC</b> Hui-Hsia Hsieh, Taichung Tzu Chi Hospital, Taiwan
B.11	<b>An age-period-cohort analysis of psychiatric medicine related adverse drug reactions from 2010 to 2019 in Jiangsu Province, China</b> Feng Huang, Southeast University, China
B.12	<b>Identification Tenofovir disoproxil fumarate (TDF) induced nephrotoxicity by using trigger tool</b> Udomluk Janwong, Chiang Mai University, Thailand
B.13	<b>Signal detection of COVID-19 vaccines using spontaneous adverse event reports</b> Hyesu Jeong, Korea University, South Korea
B.14	<b>Assessment of quality of life and depression in Type 2 Diabetes Mellitus female patients in Bihar, India</b> Ruby Kasana, National Institute of Pharmaceutical Education and Research, Guwahati, India
B.15	<b>Pattern of prescription for initial treatment of Systemic Lupus Erythematosus: A descriptive study</b> Hyeon Ji Lee, Chung-Ang University, South Korea
B.16	<b>Risk of Prediabetes Among Population of An Urban Community; Findings of A Community Pharmacy-Based Study</b> Srikanth Malavalli Siddalingegowda, JSS Academy of Higher Education and Research, India
B.17	<b>Adverse Events and Breakthrough Infections followed by COVID-19 Immunization among Healthcare Professionals in a Tertiary Care Hospital in South India</b> Merrin Mathew, JSS Academy of Higher Education and Research, India
B.18	<b>Vaccine Safety and Active Surveillance for Adverse Effects Following Immunization in a Tertiary Care Hospital in South India</b> Merrin Mathew, JSS Academy of Higher Education and Research, India

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## B. Pharmacoepidemiology and Pharmacovigilance research methods *continued*

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B.20	<b>High-Dimensional Propensity Score: Improved confounder selection through employing conditional bias factors for candidate variables</b> Tibor Schuster, McGill University, Canada
B.21	<b>Community pharmacist-led Diabetes Risk Assessment Services; An Initiative In South Indian Community Pharmacies</b> Atiqulla Shariff, JSS Academy of Higher Education and Research, India
B.22	<b>Validation study for risk assessment of febrile neutropenia in patients with malignant lymphoma</b> Kai Shibata, Meiji Pharmaceutical University, Japan
B.23	<b>The Manipal Deep Venous Thrombosis Registry: Epidemiology, clinical characterization, treatment, patterns, and 2-year outcomes of DVT patients in India</b> Ajit Singh, Manipal Academy of Higher Education, India
B.24	<b>Post-authorization Experience of COVID-19 vaccinations in Four Provinces in Thailand</b> Pakawadee Sriphiromya, Food and Drug Administration, Thailand
B.25	<b>Clinical trial eligibility for Paxlovid in a real-world COVID-19 population in Taiwan</b> Yi-Chien Sung, Keelung Chang Gung Memorial Hospital, Taiwan
B.26	<b>The Association of Nonsteroidal Anti-Inflammatory Drugs and New Onset Chronic Kidney Disease Stages 3-5 in Elderly Patients with Hypertension in Thailand</b> Pongpan Suriyong, Burapha University, Thailand
B.27	<b>Using Administrative Healthcare Data to Identify Drug Repurposing Opportunities: a Case Study of Beta-Blocker Use and Breast Cancer Survival</b> Shao Qian George Tan, Monash University, Australia
B.28	<b>The effects of low dose estrogen progestin and obesity on the thrombotic events in the Japanese women</b> Sachiko Tanaka, Kyoto University, Japan
B.29	<b>Impacts of the Covid-19 pandemic on patients with chronic conditions in Vietnam: A cross-sectional study</b> Ha Vo, Pham Ngoc Thach University of Medicine, Vietnam
B.30	<b>Incidence of postoperative delirium in Taiwan elderly patients undergoing major elective surgery</b> Chang-Yen Wu, National Cheng Kung University, Taiwan
B.31	<b>Risk of Major Adverse Cardiovascular Events in Rheumatoid Arthritis Patients Receiving Janus Kinase Inhibitors Versus Receiving Tumor Necrosis Factor Inhibitors</b> Seung-Hun You, Chung-Ang University, South Korea
B.32	<b>Impact of advertisement on supplement consumption in Indonesia population during Covid-19 pandemic</b> Cindra Tri Yuniar, Bandung Institute of Technology, Indonesia
B.33	<b>Characteristics and Application of Real-world databases in China</b> Lin Zhuo, Peking University Third Hospital, China
B.33	<b>Higher-potency statins and the risk of new-onset osteoporosis and fractures in patients with stroke: a nationwide cohort study</b> Jin Sook Jeong, Sungkyunkwan University, South Korea

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## C. Drug safety risk monitoring, evaluation and prevention

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C.2	<b>The Association between Adverse Pregnant Outcome and Antiepileptic Drugs Discontinuation in Pregnancy in Asia Population</b> Ju-Ling Chen, National Cheng Kung University Hospital, Taiwan
C.3	<b>Maternal Use of Benzodiazepine Receptor Agonists and Risk of Neurodevelopmental Disorders in Offspring: A Population-based Study in Taiwan</b> Yi-lin Chiang, National Defense Medical Center, Taiwan
C.4	<b>The Association Between Isavuconazole Trough Concentration and QTc Interval Shortening</b> Hsiu-Ting Chien, National Taiwan University, Taiwan
C.5	<b>Anticholinergic burden and risk of fractures in the middle-aged women – a population-based case-crossover study</b> Albert, Tzu-Ming Chuang, National Cheng Kung University, Taiwan
C.6	<b>Effectiveness and Safety of Fixed-dose Combination of Inhaled Corticosteroid and Long-acting Beta Agonist in Treatment of Bronchiectasis</b> Ting-Lin Ding, National Yang Ming Chiao Tung University, Taiwan
C.7	<b>Age difference in safety profiles on influenza vaccine between adults and older people: a nationwide pharmacovigilance study in South Korea</b> Bin Hong, SungKyunkwan University, South Korea
C.8	<b>Hypoglycemia Risk with Inappropriate Renal Dosing of Glucose-Lowering Drugs in an Ambulatory Setting: A Retrospective Cohort Study</b> Chia-Chen Hsu, Taipei Veterans General Hospital, Taiwan
C.9	<b>A machine learning approach to predict serum levels in valproate-treated patients</b> Chih-Wei Hsu, Kaohsiung Chang Gung Memorial Hospital, Taiwan
C.10	<b>Incidence of drug-drug interaction in hepatitis C virus infection patients with direct-acting antiviral agents: A multicenter study in Taiwan</b> Ting-Hsuan Hsu, Linkou Chang Gung Memorial Hospital, Taiwan
C.11	<b>Association of non-steroidal anti-inflammatory drugs (NSAIDs) with risk of acute kidney injury (AKI) in advanced chronic kidney disease (CKD) patients</b> Chien-huei Huang, National Cheng Kung University, Taiwan
C.12	<b>A Quantitative Bias Analysis on Oral Non-Vitamin K Antagonist Anticoagulants and Risk of Gastrointestinal Bleeding using Real-World data</b> Yein Jeon, Johns Hopkins University, United States
C.13	<b>Prediction models of adverse events associated with antineoplastic drugs: A narrative systematic review</b> Dan Jiang, Peking University Third Hospital, China
C.14	<b>CAR-T therapies and Cardiovascular Adverse Events: An Observational, Retrospective, Pharmacovigilance Study with Machine Learning Approach</b> Juhong Jung, Sungkyunkwan University, South Korea
C.15	<b>Doxycycline use and adverse pregnancy or neonatal outcomes: A descriptive study using the Food and Drug Administration adverse event database</b> Ashwin Kamath, Manipal Academy of Higher Education, India
C.16	<b>Signal Detection for Adverse Events of Chlorthalidone using the Korea Adverse Event Reporting System database, 2016-2020</b> Jeong-A Kim, Ewha Womans University, South Korea
C.17	<b>Adverse Event Reporting Rates and its Predictors Among Individuals with Adverse Events After COVID-19 Vaccination: A Nationwide Web-based Survey</b> Hwa Yeon Ko, Sungkyunkwan University, South Korea

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## C. Drug safety risk monitoring, evaluation and prevention *continued*

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C.19	<b>Hepatitis B virus screening and real life data in patients with rheumatoid arthritis receiving biological agents</b> Meng-Hsuan Kuo, Dalin Tzuchi/Hospital, Taiwan
C.20	<b>Factors associated with repeated intravenous acetaminophen-induced hypotension</b> Jae-Hyun Lee, Yonsei University College of Medicine, South Korea
C.21	<b>Association between antidepressants and sexual dysfunction: A systematic review and model-based network meta-analysis</b> Pei Li, Peking University, China
C.22	<b>Temporal Trends in Drug-Related Severe Cutaneous Adverse Reactions in Taiwan: A Nationwide Study</b> Chih-Wan Lin, Taiwan Drug Relief Foundation, Taiwan
C.23	<b>Background Incidence Rates of Adverse Events of Special Interest for COVID-19 Vaccines in Taiwan: A Nationwide Cohort Study</b> Chih-Wan Lin, Taiwan Drug Relief Foundation, Taiwan
C.24	<b>Association between Calcium Channel Blocker Use for Hypertensive Disorders in Pregnancy and Adverse Fetal Outcomes</b> Yun-Ru Lin, Taipei Medical University, Taiwan
C.25	<b>Reducing the anticholinergic burden in older outpatients by pharmacist-led anticholinergic burden risk management system</b> Jaw-Horng Liou, Taichung Veterans General Hospital, Taiwan
C.26	<b>Association between Risk of Clostridium Difficile Infection and Duration of Acid-Suppressive Medication Use in Taiwan Hospitalized Patients</b> Yi-Hsuan Liu, National Cheng Kung University, Taiwan
C.27	<b>Exploring patient preferred unlicensed indication of paracetamol in Saudi Arabia: A cross sectional study</b> Jisha Lucca, Imam Abdulrahman Bin Faisal University, Saudi Arabia
C.28	<b>Letemovir associated cytomegalovirus infection reactivation: A disproportionality analysis in a spontaneous reporting database</b> Lipin Lukose, Manipal Academy of Higher Education, India
C.29	<b>Predicting potential inappropriate medication-related death: Real-world Data from Taiwan</b> Jian-Chen Lyu, Kaohsiung Medical University, Taiwan
C.30	<b>Evaluation of Six Drug Information Resources for Recommendations on Drug Use in Lactation; A Systematic Comparison Study</b> Srikanth Malavalli Siddalingegowda, JSS Academy of Higher Education and Research, India
C.31	<b>Safety monitoring of COVID-19 vaccine booster doses: An analysis of 80,266 VAERS reports</b> Pili Chih-Min Mao, Kaohsiung Veterans General Hospital, Taiwan
C.32	<b>Incidence and Risk of Oxaliplatin-Induced Hypersensitivity in Patients with Colorectal Cancer at a Tertiary Care Hospital in Thailand</b> Thirawut Morasuk, Chiang Mai University, Thailand
C.33	<b>Signal Detection of Drug-Drug Interaction Focusing on QT Prolongation with Haloperidol Using Korea Adverse Event Reporting System (KAERS) Database, 2016-2020</b> Dal Ri Nam, Chung-Ang University, South Korea
C.34	<b>Providing Teratology Information Services in Nigeria: The viewpoints of Physicians in Obstetrics and Gynecology Specialty</b> Kazeem Oshikoya, Lagos State University College of Medicine, Nigeria
C.35	<b>Detecting signals for interaction between influenza vaccines and antiepileptic drugs using Korea Adverse Event Reporting System (KAERS)</b> Suvlin Park, Ewha Womans University, South Korea



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## C. Drug safety risk monitoring, evaluation and prevention *continued*

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C.37	<b>Guillain-Barre Syndrome following Covid-19 vaccination: A systematic review of case reports to find the pandemic's unusual obstacle</b> Femida Rashid Mohamedhusein, Manipal Academy of Higher Education, India
C.38	<b>Risk based stratification of pronounced factors responsible for poor outcome in neonatal sepsis</b> Puspita Sahu, Manipal Academy of Higher Education, India
C.39	<b>Risk of age-related macular degeneration with 5-alpha reductases in benign prostatic hyperplasia</b> Steven Shen, National Cheng Kung University, Taiwan
C.40	<b>Adverse Drug Reactions of Favipiravir in Pediatric Patients with COVID-19 Treated by Home Isolation</b> Kanokwalee Sinngrungruangkij, Chiang Mai University, Thailand
C.41	<b>Analysis of COVID-19 vaccine-related cutaneous adverse drug reactions: Reported from the largest healthcare system in Taiwan</b> Sheng Long Tan, Keelung Chang Gung Memorial Hospital, Taiwan
C.42	<b>Efficacy and Safety of Amphotericin B and Miltefosine Combination in Patients with Visceral Leishmaniasis: A Systematic Review and Meta- Analysis</b> Christy Thomas, National Institute of Pharmaceutical Education and Research, Guwahati, India
C.43	<b>Post-discharge Use of Antipsychotics in Patients with Hospital-acquired Delirium and Associated Risk of Mortality – a population-based nested case-control study</b> Daniel Hsiang-Te Tsai, National Cheng Kung University, Taiwan
C.44	<b>Risk of Pancreatitis and Pancreatic Carcinoma for Anti-Diabetic Medications: Evidence Synthesis from a Disproportionality Analysis</b> Krishna Undela, National Institute of Pharmaceutical Education and Research, Guwahati, India
C.45	<b>Knowledge, attitude, and acceptance of community regarding Covid-19 vaccine: A cross-sectional study in Vietnam</b> Ha Vo, Pham Ngoc Thach University of Medicine, Vietnam
C.46	<b>Use of Hydrochlorothiazide (HCTZ) and Risk of Non-melanoma Skin Cancers: A Population-Based Retrospective Cohort Study in Taiwan</b> Shuei He Yang, National Cheng Kung University, Taiwan
C.47	<b>Predicting opioid-induced respiratory depression in hospitalized patients: a study protocol based on Yinzhou Regional Health Care Database in China</b> Huziwei Zhou, Peking University, China

## D. Pharmacogenomics research and drug safety

D.1	<b>The Associations of Two Common Polymorphisms in APOA1 Gene with Lipid-lowering Efficacy of Simvastatin</b> Shanqun Jiang, Anhui University, China
D.2	<b>The prevalence and factors associated with potentially inappropriate medication use in Chinese older outpatients with cancer with multimorbidity</b> Fangyuan Tian, West China School of Public Health and West China Fourth Hospital, China

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## E. Evidence-based medicine

E.1	<b>Impact of Mobile Health Intervention on Glycemic Control and Quality of Life in Type 1 Diabetes Mellitus</b> Md Azharuddin, School of Pharmaceutical Education and Research, India
E.2	<b>Impact of Tuberculosis Disease on Human Gut Microbiota: A Systematic Review</b> Tejaswini Baral, Manipal Academy of Higher Education, India
E.3	<b>Adjuvant use of Ribavirin with hepatitis C virus treatment in kidney transplant recipients: Systematic review and meta-analysis of real-world data</b> Aamir Bashir, National Institute of Pharmaceutical Education and Research, Punjab, India
E.4	<b>Effectiveness of nonpharmacological interventions for the management of Fibromyalgia; A systematic Literature Review and Meta-analysis</b> Saroj Bharti, National Institute of Pharmaceutical Education and Research, Mohali, India
E.5	<b>Comparison of biologic and mechanical prostheses for aortic valve replacement in population aged 45-64 years</b> Chia-Jui Chang, National Taiwan University, Taiwan
E.6	<b>Relationship between UGT1A1 polymorphisms and AT-DILI risk: Evidence from a comprehensive systematic review and meta-analysis</b> Xinyu Chen, Nanjing Medical University, China
E.7	<b>Statin treatment and depression risk</b> Chian-Ying Chou, Taipei Veterans General Hospital, Taiwan
E.8	<b>Hormonal therapies to treat infantile spasms in Asian children: A comparative analysis of 8 trials</b> Nagita Devi, National Institute of Pharmaceutical Education and Research, S.A.S. Nagar, India
E.9	<b>Efficacy of Hyaluronic acid in the Management of Chronic Leg Ulcers: A Systematic Review and Meta-analysis</b> Muhammed Favas KT, National Institute of Pharmaceutical Education and Research, Punjab, India
E.10	<b>Analysis of the research status of Alzheimer's disease</b> Jian Gong, Shenyang Pharmaceutical University, China
E.11	<b>Effect of recombinant human endostatin injection on patients with colorectal cancer: A systematic review</b> Jian Gong, Shenyang Pharmaceutical University, China
E.12	<b>HCV reinfection in HCV/HIV co-infected patients achieved sustained virologic response after direct-acting antiviral treatments: A systematic review and meta-analysis</b> Pi-Lien Hung, Kaohsiung Veterans General Hospital, Taiwan
E.13	<b>Catheter induced spinal epidural abscess in dialysis patients: A systematic review of descriptive studies</b> Nihala Jabeen, Markaz Unani Medical College and Hospital, India
E.14	<b>Determination of burden of Hypovitaminosis D and Knowledge, Attitude and Practices of vitamin-D in Post Kala-azar Dermal Leishmaniasis patients</b> V Udaya Kumar, National Institute of Pharmaceutical Education and Research, Hajipur, India
E.15	<b>Micronutrient status in diabetic foot ulcer patients: A systematic review and meta-analysis</b> Shilia Kurian, Manipal Academy of Higher Education, India
E.16	<b>Prophylactic Ivermectin for Prevention of COVID-19 infection: A Systematic Review and Meta-analysis</b> Chun-An Liang, Kaohsiung Veterans General Hospital, Taiwan
E.17	<b>From Evidence-Based Medicine(EBM) to Share Decision Making(SDM): Whether to Continue the Antidepressant used to Achieve Remission or to Discontinue?</b> Yi-Nong Lin, Tainan Municipal Hospital, Taiwan
E.18	<b>The Use of Gamification in Evidence-Based Medicine Training</b> Yi-Nong Lin, Tainan Municipal Hospital, Taiwan
E.19	<b>Genetic variants in Nrf2/ARE signaling pathway and risk of anti-tuberculosis drug-induced liver injury: A pathway-based meta-analysis</b> Hao Lu, Nanjing Medical University, China
E.20	<b>Use of Antidementia Drugs and Risk of Nursing Home Placement: A Systematic Review and Meta-analysis</b> Pitchayut Rattanatanyapat, University of Phayao, Thailand

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## E. Evidence-based medicine *continued*

E.21	<b>Comparative safety and efficacy of lactulose vs other conventional therapy in hepatic encephalopathy: A Systematic Review and Meta-analysis</b> Mohammed Safer V S, National Institute of Pharmaceutical Education and Research, S.A.S Nagar, India
E.22	<b>Hypnotic drug use and cardiovascular events in elderly patients with hypertension using Japanese health insurance database</b> Ryoko Sakai, Meiji Pharmaceutical University, Japan
E.23	<b>Efficacy and safety of zoledronic acid as an adjuvant therapy in patients with breast cancer: A systematic review and meta-analysis</b> Beema T Yoosuf, National Institute of Pharmaceutical Education and Research, S.A.S. Nagar, India
E.24	<b>Quality Assessment of the Latest Oncology Guidelines and Systematic Reviews Referenced in these Guidelines</b> Christy Thomas, National Institute of Pharmaceutical Education and Research, Guwahati, India
E.25	<b>Dementia and domestic violence/abuse – a population-based cohort study of the United Kingdom</b> Daniel Hsiang-Te Tsai, National Cheng Kung University, Taiwan
E.26	<b>Systematic review and meta-analysis of the effectiveness and safety of Janus kinase inhibitors in treating COVID-19 patients</b> Tzu-Han Yang, Taipei Veterans General Hospital, Taiwan

## F. Evidence-based pharmacy

F.1	<b>Development and validation of patient information leaflet for management of dyslipidemia</b> Ramesh Bhandari, KLE College of Pharmacy, India
F.2	<b>Comparison of standard-dose with reduced-dose of non-vitamin k antagonist oral anticoagulant in atrial fibrillation patients by risk of bleeding</b> Wei-Siang Ciou, National Taiwan University, Taiwan
F.3	<b>The value of CRP in COPD exacerbations: A meta-analysis</b> Jian Gong, Shenyang Pharmaceutical University, China
F.4	<b>Comparison of the curative effect of bone cement and non-bone cement in femoral head replacement: A systematic review and meta-analysis</b> Jian Gong, Shenyang Pharmaceutical University, China
F.5	<b>Safety evaluation of metformin and acarbose in the treatment of diabetic patients</b> Jian Gong, Shenyang Pharmaceutical University, China
F.6	<b>Systematic Evaluation of the Efficacy and Safety of Cetuximab in patients with Colorectal Cancer</b> Jian Gong, Shenyang Pharmaceutical University, China
F.7	<b>Perioperative brain protection of dexmedetomidine in children with congenital heart disease: A meta-analysis</b> Jian Gong, Shenyang Pharmaceutical University, China
F.8	<b>Analysis of current situation and influencing factors of children's immunization</b> Jian Gong, Shenyang Pharmaceutical University, China
F.9	<b>A meta-analysis of recurrence and adverse reactions after infusion of gemcitabine and pirarubicin in NMIBC patients after TURBT</b> Jian Gong, Shenyang Pharmaceutical University, China
F.10	<b>Network Meta-analysis of five Chinese herbal injections combined with FOLFOX chemotherapy regimen in treating advanced gastric cancer</b> Jian Gong, Shenyang Pharmaceutical University, China
F.11	<b>The value of procalcitonin in guiding anti-infective therapy in acute exacerbation of chronic obstructive pulmonary disease: Meta-analysis and systematic review</b> Jian Gong, Shenyang Pharmaceutical University, China
F.12	<b>Systematic evaluation of the efficacy and safety of dobutamine in the treatment of sepsis</b> Jian Gong, Shenyang Pharmaceutical University, China

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## F. Evidence-based pharmacy *continued*

F.13	<b>First-line Therapies in Recurrent or Metastatic Head and Neck Cancer: A Systematic Review and Network Meta-analysis</b> Szu-Han Hu, Kaohsiung Medical University, Taiwan
F.14	<b>Comparative drug persistence of brand and biosimilar biologics in rheumatoid arthritis patients in real-world practice: A systematic review and meta-analysis</b> Xin Yun Tang, Linkou Chang Gung Memorial Hospital, Taiwan
F.15	<b>The Quality of Reporting Methods and Results of Cost-Effectiveness Analyses Conducted in India: A Methodological Systematic Review</b> Christy Thomas, National Institute of Pharmaceutical Education and Research, Guwahati, India
F.16	<b>Assessing biosimilar adherence following a switch from reference to biosimilar in rheumatoid arthritis patients: A systematic review and meta-analysis</b> Yun Jung Tsai, Linkou Chang Gung Memorial Hospital, Taiwan
F.17	<b>The effectiveness of Denosumab versus Bisphosphonates in The Treatment of Osteoporosis: A Systematic Review and Meta-analysis of cohort studies</b> Qingxia Xue, Peking University Third Hospital, China
F.18	<b>Association of direct oral anticoagulants with risk of dementia in atria fibrillation patients: A meta-analysis for observational studies</b> Chen-Pei Ho, Hualien Tzu Chi Hospital, Taiwan

## G. Drug utilization evaluation studies

G.1	<b>Medicine Utilisation in Malaysia: Data from the Malaysian Statistics on Medicines 2017</b> Azzy Iyzati Ahmad Shanizza, Ministry of Health Malaysia, Malaysia
G.2	<b>Analysis of special approval medicines used among children in a Malaysian tertiary care hospital</b> Shamala Balan, Hospital Tunku Azizah, Malaysia
G.3	<b>Measurement of antibiotic utilization pattern before and during COVID-19 in a tertiary care hospital in India</b> Prashant Chandra, Manipal Academy of Higher Education, India
G.4	<b>A survey of HLA-B*1502 genotype testing on carbamazepine</b> Jou-Wen Chiu, Taichung Tzu Chi Hospital, Taiwan
G.5	<b>Utilization review of Total parenteral Nutrition (TPN): A Prospective Study</b> Pooja Dwivedi, JSS Academy of Higher Education and Research, India
G.6	<b>Assessment of Individualized Dosing method for amikacin and vancomycin in hospitalized patients</b> Shweta Gowda, JSS Academy of Higher Education and Research, India
G.7	<b>Evaluate the use of inhaled aminoglycosides by the criteria established from evidence based</b> Suhan Hsu, Taipei City Hospital, Taiwan
G.8	<b>Comparative Effectiveness of Concurrent Radiotherapy with Cisplatin versus Cetuximab in Locally Advanced Head and Neck Cancer: A Population-based Cohort Study</b> Szu-Han Hu, Kaohsiung Medical University, Taiwan
G.9	<b>Drug Utilization Evaluation of Entecavir</b> Pei-Yuan Hung, Taichung Tzu Chi Hospital, Taiwan
G.10	<b>Treatment Persistence with Lipid-Modifying Agents after Percutaneous Coronary Intervention in Acute Coronary Syndrome Patient as a Predictor of Clinical Outcomes</b> Sudi Indra Jaya, Universitas Gadjah Mada, Indonesia
G.11	<b>Drug utilization patterns during delivery and abortion episodes in women with systemic lupus erythematosus</b> Yu-Seon Jung, Chung-ang University, South Korea
G.12	<b>Factors affecting outcomes in patients with Multidrug-resistant gram-negative sepsis</b> Asha K Rajan, Manipal Academy of Higher Education, India
G.13	<b>Assessment of empirical antibiotic therapy and determinants for its initiation in hospitalised COVID- 19 patients: A retrospective study</b> Gursimran Kaur, Manipal Academy of Higher Education, India
G.14	<b>Irregular Blood Glucose Control Status Alter the Risk of Low Awareness of Diabetes Mellitus Medication in Indonesia</b> Qisty Khoiry, Universitas Padjadjaran, Indonesia

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## G. Drug utilization evaluation studies *continued*

G.15	<b>Trends in incidence of ischemic stroke and antiepileptic drug use after a stroke admission</b> Stella Jung-Hyun Kim, Monash University, Australia
G.16	<b>Evaluation of The Drug Rational Use for Tenofovir</b> Wan-Yi Lee, Taichung Tzu Chi Hospital, Taiwan
G.17	<b>Use of Drugs Among Pregnant Women: A Nationwide Database Linkage Study in Taiwan</b> Chih-Wan Lin, Taiwan Drug Relief Foundation, Taiwan
G.18	<b>Utilization Patterns of Intravenous Immunoglobulin under National Health Insurance System in Taiwan</b> Hung-Wei Lin, IQVIA Solutions Taiwan, Taiwan
G.19	<b>Findings from the National Health Interview Survey on Online Prescription Filling Behavior Among American Adults with Chronic Conditions, 2009-2018</b> Liang-Yuan Lin, Taipei Medical University, Taiwan
G.20	<b>Factors Associated with Requirement of Non-steroid Anti-inflammatory Drugs as Add-on Therapy with Oral Sumatriptan for Migraine Attacks and Effectiveness Analysis</b> Tung An Lin, Taipei Veterans General Hospital, Taiwan
G.21	<b>Prescription pattern of nonsteroidal anti-inflammatory drugs among patients with CKD stage 3-5 in a district hospital</b> Sian-De Liu, New Taipei Municipal TuCheng Hospital, Taiwan
G.22	<b>Metformin use and associated clinical outcomes in COVID-19 patients with diabetes: A retrospective cohort study</b> Sonal Sekhar Miraj, Manipal Academy of Higher Education, India
G.23	<b>The efficacy of two different doses of dexamethasone in COVID-19 patients: A systematic review and meta-analysis</b> Dung Nguyen, University of Medicine and Pharmacy at Ho Chi Minh City, Viet Nam
G.24	<b>Prevention of venous thromboembolism in patients undergoing lower limb orthopedic surgery in a Vietnamese hospital</b> Thai Thien Kim Nguyen, University of Medicine and Pharmacy at Ho Chi Minh City, Vietnam
G.25	<b>Clinical Pharmacists Interventions in Neonatal Intensive Care Unit of a Tertiary Care Hospital: A prospective Interventional study</b> Juny Sebastian, JSS Academy of Higher Education and Research, India
G.26	<b>Drug Utilization Evaluation of Opioid Analgesics in a Tertiary Care Cancer Centre</b> Mithili Sherigar, Manipal Academy of Higher Education, India
G.27	<b>Adherence of Methadone Medication Treatment and the Association with Risk of Re-offense Among Patients with Opioid Use Disorder</b> Cheng-Chan Shih, National Cheng Kung University, Tainan, Taiwan
G.28	<b>The anticholinergic drug utilization pattern among adult patients with cirrhosis in Taiwan</b> Hsin-Ni Shih, Taipei Medical University, Taiwan
G.29	<b>Mono, dual versus triple therapy and 1-year outcomes in heart failure patients from Manipal heart failure registry</b> Ajit Singh, Manipal Academy of Higher Education, India
G.30	<b>Burden of pneumococcal disease in adults – A retrospective database study in South Korea</b> Joon Young Song, Korea University College of Medicine, South Korea
G.31	<b>Estimation of healthcare costs among Japanese patients with terminal cancer using the national database sampling dataset</b> Yuki Takumoto, Meiji Pharmaceutical University, Japan
G.32	<b>Anti-dyslipidemic Agent Use in Japanese Patients Aged 55 Years or Older Starting Treatment</b> Junko Tomida, Tokushima Bunri University, Japan
G.33	<b>Effectiveness and Prescription Pattern of Tapentadol in the Treatment of Cancer Pain</b> Rajesh V, Manipal Academy of Higher Education, India
G.34	<b>Analysis of clinical pharmacist interventions in adult COVID-19 patients admitted to an Intensive Care Center in Vietnam</b> Lan Nhi Vu Thi, University Medical Center of Ho Chi Minh City, Viet Nam
G.35	<b>Burden of pneumococcal disease in adults – A retrospective database study in Taiwan</b> Chi-Chuan Wang, National Taiwan University, Taiwan
G.36	<b>Burden of pneumococcal disease in adults – A retrospective database study in Hong Kong</b> Qiuyan Yu, The University of Hong Kong, China

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## H. Rational drug use

H.1	<b>Patients' perspective on medicines information</b> Anahit Amirkhanyan, Yerevan State Medical University, Armenia
H.2	<b>Consumer's Understanding and Satisfaction of Patient Information Leaflet: A Case Study of Amoxicillin</b> Panot Asawawiatphong, Wiang Haeng Hospital, Thailand
H.3	<b>Knowledge video and wired broadcasting improve community knowledge and practice of antibiotics use in COVID-19 ERA</b> Natthaya Chaomuang, University of Phayao, Thailand
H.4	<b>Pharmacodynamic Target and Treatment Outcome of Vancomycin in Hemodialysis Patients with Oxacillin-resistant Staphylococcus aureus Bloodstream Infection</b> Pin-Tzu Chen, National Cheng Kung University, Taiwan
H.5	<b>Deprescribing of oral hypoglycemic medications for diabetes reversal through integrative medicine approach</b> Poornima Gunari, Ramaiah University of Applied Sciences, India
H.6	<b>Assessment of knowledge, attitude, and practice of disposing and storing of unused and expired medicines among the communities of Nepal</b> Nisha Jha, KIST Medical College, Nepal
H.7	<b>Point Prevalence Survey of antibiotics use in six private hospitals in Kathmandu</b> Nisha Jha, KIST Medical College, Nepal
H.8	<b>Development and Validation of Rational Drug Use Literacy Tool for Thai Adults</b> Penkarn Kanjanarat, Chiang Mai University, Thailand
H.9	<b>Patterns of Use of Antibiotics in Hospitalized COVID-19 Patients in a Tertiary Care Centre in Lalitpur District, Nepal</b> Bibechan Thapa, Nepal National Hospital, Nepal
H.10	<b>Availability of Paediatric Essential Medicines in Armenia</b> Lusine Vardanyan, Yerevan State Medical University, Armenia
H.11	<b>Identification of Drug Interactions and Potentially Inappropriate Medications in Geriatrics</b> Pooja Y, Ramaiah University of Applied Sciences, India

## I. Pharmacoepidemiology and traditional medicines

I.1	<b>Camellia sinensis tea and risk of anxiety disorder for medical students at Universitas Lambung Mangkurat Indonesia</b> Mohammad Bakhriansyah, Universitas Lambung Mangkurat, Indonesia
I.2	<b>Does Camellia sinensis tea reduce the risk of anxiety disorder for Covid-19 survivors? A cross-sectional study among medical students</b> Mohammad Bakhriansyah, Universitas Lambung Mangkurat, Indonesia
I.3	<b>Treatment-resistant depression and risk of autoimmune diseases: A seven-year population-based cohort study</b> Vivien Chan, The University of Hong Kong, Hong Kong
I.4	<b>Risk of developing fractures in adult patients with atopic dermatitis, allergic rhinitis, and asthma: A Nationwide Population-based Cohort Study</b> Yu-Wen Chu, Taichung Veterans General Hospital, Taiwan
I.5	<b>Diversity in epidemiology and risk profiles between hospital-acquired and community-acquired methicillin-resistant Staphylococcus aureus infection: A systematic review and meta-analysis</b> Prity Deshwal, National Institute of Pharmaceutical Education and Research, Mohali, India
I.6	<b>Analysis of key factors and risk prediction of diabetic nephropathy</b> Jian Gong, Shenyang Pharmaceutical University, China
I.7	<b>Targeted Therapy and Treatment Trends in Locally Advanced Head and Neck Cancer in Taiwan: A Population-Based Retrospective Study</b> Szu-Han Hu, Kaohsiung Medical University, Taiwan
I.8	<b>Birth outcomes after preconception paternal exposure to tyrosine kinase inhibitor for chronic myeloid leukemia: A nationwide cohort study</b> Ru-yu Huang, National Health Research Institutes, Taiwan

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## I. Pharmacoepidemiology and traditional medicines *continued*

I.9	<b>Signals of Drugs Affecting Urinary Dysfunction: A Case/ Non-case Study using Nationwide Spontaneous Reporting Database</b> Ju Won Lee, Chung-Ang University, South Korea
I.10	<b>Safety of the COVID-19 vaccine in Kidney Transplant Recipients: The experience of a single medical center</b> Hsin-Lin Lin, Chi Mei Medical Center, Taiwan
I.11	<b>Evaluation of medication adherence in hypertension and dyslipidemia: Population-based cohort study in Japan</b> Minako Matsumoto, Keio University School of Medicine, Japan
I.12	<b>Trends in Hozai, Kampo medicine, prescription for different age groups in Japan from 2015 to 2019</b> Yui Sasaki, Association for Health Economics Research and Social Insurance and Welfare, Japan
I.13	<b>The epidemiology and treatment patterns of refractory chronic lymphocytic leukemia in Taiwan</b> Yi-Chia Su, National Cheng Kung University, 台灣
I.14	<b>The risk assessment of tuberculosis in patients with severe renal dysfunction in Taiwan: A population-based cohort study</b> Chuan-Yu Wang, Kaohsiung Medical University, Taiwan
I.15	<b>Ethnic Disparities in Treatment Patterns of Prostate Cancer Patients in Inner Mongolia Autonomous Region, China: A Real-world Study</b> Yingzi Yang, Peking University, China
I.16	<b>Epidemiology of atherosclerotic cardiovascular disease in public hospitals in Hong Kong: A territory-wide study in Hong Kong, 2010-2020</b> Xuxiao Ye, The University of Hong Kong, Hong Kong
I.17	<b>Insights into pharmacoepidemiologic burden of esophageal cancer patients: actionable evidence from the regional claims database and death registry in China</b> Yuelin Yu, Department of Epidemiology and Biostatistics, School of Public Health, Peking University, China
I.18	<b>Disparities in treatment patterns between male and female breast cancer: A 9-year real-world study in China</b> Yunjing Zhang, Peking University, China

## J. Prevention of medication errors and drug misuse/abuse

J.1	<b>Assessment of drug interactions in CKD patients and identification of the associated independent risk factors - a retrospective study</b> Soumyajeet Paul, Manipal Academy of Higher Education, India
J.2	<b>Information provided on OTC medicines at community pharmacies in Armenia</b> Anahit Sevikyan, Yerevan State Medical University, Armenia
J.3	<b>Real-world effectiveness of follow-up care on the reduction of suicidal attempts in patients with opioid use disorder</b> Cheng-Chan Shih, National Cheng Kung University, Taiwan
J.4	<b>Inappropriate medication use in 26,151 school aged children in Jiangsu of China</b> Hui Xue, Southeast University, China

## K. Rare disease and orphan medicines

K.1	<b>Health state utility values in glioblastoma multiforme: A systematic literature review</b> Aditi Aggarwal, IQVIA, India
K.2	<b>Repurposing of anti-rheumatic drugs for cystic fibrosis: A disproportionality inverse signal analysis in spontaneous reporting database</b> Lipin Lukose, Manipal Academy of Higher Education, India

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## L. Post-marketing drug effectiveness and safety evaluation

L.1	<b>Investigation of depression and suicidality of glucagon-like peptide-1 receptor agonist in patients with antipsychotic-induced weight gain</b> Ji-Hwan Bae, Sungkyunkwan University, South Korea
L.2	<b>Kidney outcomes with sodium-glucose cotransporter-2 inhibitors in type 2 diabetes: Does background treatment with metformin matter?</b> Yi-Hsin Chang, National Cheng Kung University, Taiwan
L.3	<b>Effectiveness and Safety of Direct Oral Anticoagulants versus Warfarin in Patients with Atrial Fibrillation and Advanced Kidney Disease</b> Cheng-Chi Chen, Taipei Veterans General Hospital, Taiwan
L.4	<b>Comparative Cardiovascular Safety of Fixed-dose Combinations of LABA/LAMA versus LABA/ICS in Patients with COPD</b> Chun-Yu Chen, Institute of Public Health, National Yang Ming Chiao Tung University, Taiwan
L.5	<b>Long Term Use and Major Adverse Cardiac Events between Abiraterone and Enzalutamide in Chemotherapy-naive patients with Metastatic Castration-Resistant Prostate Cancer</b> Hung-Kai Chen, Linkou Chang Gung Memorial Hospital, Taiwan
L.6	<b>Evaluation of confounding by indication in cohort study of Crohn's disease patients exposed biologics</b> Nai-Yu Chen, National Cheng Kung University, Taiwan
L.7	<b>The Result of Post Marketing Surveillance of Remdesivir in COVID-19 Patients: Safety Profile in Indonesia</b> Jonathan Haposan, Universitas Gadjah Mada, Indonesia
L.8	<b>Cardiovascular outcomes of discontinuing statins prescribed for primary prevention in elderly Asian population</b> Yih-Ting Hsu, National Taiwan University, Taiwan
L.9	<b>Clinical Outcomes of Ticagrelor-and Clopidogrel-based Dual Antiplatelet Therapy in Acute Myocardial Infarction Patients with a History of Ischemic Stroke</b> Hsin-Yi Huang, Taipei Medical University, Taiwan
L.10	<b>Stevens-Johnson syndrome in a patient receiving cetuximab and nivolumab for sigmoid colon cancer</b> Yung-Hsin Huang, Taipei Medical University, Taiwan
L.11	<b>Regional Differences in Propacetamol-related Adverse Events: A World Health Organization Pharmacovigilance Study to Support Decision-Making</b> Han Eol Jeong, Sungkyunkwan University, South Korea
L.12	<b>Association between Bone-Targeted Agents and Skeletal-Related Events in Breast Cancer Patients with Bone Metastasis</b> Wan-Ting Jheng, Kaohsiung Medical University, Taiwan
L.13	<b>Exacerbation of chronic obstructive pulmonary disease and timing of paracetamol (acetaminophen) use in older Australians</b> Lan Kelly, University of South Australia, Australia
L.14	<b>Acute Renal Injury and Vascular Endothelial Growth Factors Inhibitors in Patients with Diabetic Retinal Edema– a population-based retrospective cohort study</b> Wan-Ju Annabelle Lee, Chi Mei Medical Center, Taiwan
L.15	<b>Real-world use of Paxlovid in hospitalized patients with mild and moderate COVID-19</b> Meng Hsuan Lin, Zuoying Branch of Kaohsiung Armed Forces General Hospital, Taiwan
L.16	<b>Effects of DPP-4 inhibitors on renal outcomes in adults with type 2 diabetes and chronic kidney disease</b> Sheng-Huang Lin, Taipei Veterans General Hospital, Taiwan
L.17	<b>Effectiveness of Vascular Endothelial Growth Factor Receptor Tyrosine Kinase Inhibitors in Renal Cell Carcinoma Patients</b> Yi-Hsing Pan, Kaohsiung Medical University, Taiwan
L.18	<b>Machine-Learning Approaches to Predict Major Bleeding Events in Patients with Non-valvular Atrial Fibrillation Treated with Direct Oral Anticoagulants</b> Yi-Hua Chen, Keelung Chang Gung Memorial Hospital, Taiwan
L.19	<b>Association Between Sodium Glucose Co-transporter 2 Inhibitor Use and Incidence of Dry Eye Disease in Patients with Type 2 Diabetes</b> Shih-Chieh Shao, National Cheng Kung University, Taiwan



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## L. Post-marketing drug effectiveness and safety evaluation *continued*

L.20	<b>Lower risks of cirrhosis and hepatocarcinoma with use of GLP-1RAs versus long-acting insulins among real-world patients with type 2 diabetes</b> Chun-Ting Yang, National Cheng Kung University, Taiwan
L.21	<b>Real-world cardiovascular and renal outcomes with use of glucagon-like peptide-1 receptor agonists versus long-acting insulins among type 2 diabetes patients</b> Wen-Yu Yao, National Cheng Kung University, Taiwan

## M. Prevention and treatment of drug-induced diseases

M.1	<b>Patterns of LTBI screening and treatment before JAKi or TNFi therapy among patients with rheumatoid arthritis (RA)</b> Jeong-yeon Kim, Chung-Ang University, South Korea
M.2	<b>Signal detection of Myopathy due to Drug-Drug Interaction Statin using KAERS Database</b> Sewon Park, Chung-Ang University, South Korea
M.3	<b>Thiamine Responsive Pulmonary Hypertension in Pediatrics: An Under-Reported Adversity</b> Shrey Seth, Manipal Academy of Higher Education, India
M.4	<b>Treatment comparisons for gastrointestinal adverse events of interventions for preventing chemotherapy induced oral mucositis in adult cancer patients: Network meta-analysis</b> Chulalak Subthaweesin, Chiang Mai University, Thailand

## N. Other related fields

N.1	<b>Economic Burden of Oral Cancer in Asian Low Middle- Income Countries: A targeted literature review</b> Aditi Aggarwal, IQVIA, India
N.2	<b>Substance use among pregnant women in a tertiary teaching hospital in Jimma, Ethiopia: A cross-sectional study</b> Seid Ahmed, University of Oslo, Norway
N.3	<b>Nation-wide analysis of determinants of vaccine hesitancy: A qualitative study</b> Sheba Baby John, JSS Academy of Higher Education and Research, India
N.4	<b>Tracking public attitude towards COVID-19 Vaccine: A nation-wide study</b> Sheba Baby John, JSS Academy of Higher Education and Research, India
N.5	<b>A billion people's attitude to vaccines: Hesitancy and safety concerns</b> Sheba Baby John, JSS Academy of Higher Education and Research, India
N.6	<b>Healthcare delay and clinical outcomes among patients with tuberculosis: A large-linked database study</b> Sungho Bea, Sungkyunkwan University, South Korea
N.7	<b>Incidence of post radiotherapy Hypothyroidism in Head, Neck and Breast Cancers - A prospective observational study</b> Vani Mahathi Bulusu, Sir Cr Reddy College of Pharmaceutical Sciences, India
N.8	<b>Incubation periods of the 3 major COVID-19 variants in XXX</b> Sze Ling Chan, SingHealth, Singapore
N.9	<b>Effectiveness of Minimally Invasive Hepatectomy in Patients with Early or Intermediate-stage Hepatocellular Carcinoma: A Multi-institutional Cohort Study</b> Hung-Kai Chen, Linkou Chang Gung Memorial Hospital, Taiwan
N.10	<b>SJS and TEN in Taiwan Drug Injury Relief System: New Trends in Culprit Drugs from 2017 to 2021</b> Mei-yi Chien, Taiwan Drug Relief Foundation, Taiwan
N.11	<b>Air Pollution and Cardiovascular and Thromboembolic Events in Older Adults with High-Risk Conditions in Taiwan: Assessing Drug-Environment Interactions</b> Shu-Ping Huang, National Cheng Kung University, Taiwan
N.12	<b>Estimated glomerular filtration rate on hospital admission and mortality prognosis in stroke patients: The Shiga Stroke and Heart Attack Registry</b> Tram Huynh Thi Hong, Shiga University of Medical Science, Japan
N.13	<b>Analysis of key factors and risk prediction of diabetic nephropathy</b> Chen Junru, Shenyang Pharmaceutical University, China

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## N. Other related fields *continued*

N.14	<b>Correlation between country-level numbers of COVID-19 cases and mortalities, and country-level characteristics: A global study</b> George Okoli, University of Manitoba, Canada
N.15	<b>Community-based activities to empower chronic disease patients for improving drug use behavior and managing leftover medicines</b> Tikumporn Pornwisetsirikul, Maharaj Nakorn Chiang Mai Hospital, Thailand
N.16	<b>Factors affecting total hospitalization cost and cost-effectiveness analysis of corticosteroid management in patients with acute respiratory distress syndrome</b> Muhammed Rashid, Manipal Academy of Higher Education, India
N.17	<b>Economic Evaluation of Riluzole Treatment in Amyotrophic Lateral Sclerosis: A Systematic Review</b> Thaiphat Rattana-amonloet, Chiang Mai University, Thailand
N.18	<b>Incidence and Risk Factors of New-onset Diabetes Mellitus in Heart Transplantation Patients: A Systematic Review and Meta-analysis</b> Surender Reddy, National Institute of Pharmaceutical Education and Research, S.A.S. Nagar, India
N.19	<b>Comparison of safety of original and generic lansoprazole in Japanese patients in the real world</b> Kimie Sai, National Institute of Health Sciences, Japan
N.20	<b>Development of a Non-invasive Topical Photodynamic Therapy Delivery Approach</b> Tanvi Shah, Massachusetts College of Pharmacy and Health Sciences University, United States
N.21	<b>Nationwide exploratory survey assessing perception, practice, and barriers toward pharmaceutical care provision among hospital pharmacists in Nepal</b> Sunil Shrestha, Nepal Health Research and Innovation Foundation, Nepal
N.22	<b>Geographic Linkage of Environmental Factors and Taiwan National Health Insurance Database for Pharmacoepidemiologic Studies</b> Chien-Chou Su, National Cheng Kung University Hospital, Taiwan
N.23	<b>Adherence to immunosuppressive drugs in kidney transplant recipients</b> Nutjaree Suttitong, Maharaj Nakorn Chiang Mai Hospital, Thailand
N.24	<b>Assessment of medication adherence and belief about medicines amongst the elderly: A developing country scenario</b> Jehath Syed, JSS Academy of Higher Education and Research, India
N.25	<b>Initiating GLP-1 RA therapy to improve renal outcomes for persons with uncontrolled diabetes: Hypothetical intervention using parametric g-formula modeling</b> Masato Takeuchi, Kyoto University, Japan
N.26	<b>Polypharmacy was associated with declines in intrinsic capacity of community dwelling elderly in rural area in Taiwan</b> Chen-Yu Wang, National Center for Geriatrics and Welfare Research/National Health Research Institutes, Taiwan
N.27	<b>Association between prenatal antipsychotic exposure and the risk of attention-deficit/hyperactivity disorder and autism spectrum disorder: A systematic review and meta-analysis</b> Zixuan Wang, University College London, United Kingdom
N.28	<b>Incidence Rate and Risk of Subsequent Dyslipidemia after Diagnosed with Hypertension in Newly Diagnosed Diabetic Patients in Three Generation Cohorts</b> Sawaeng Watcharathanakij, Ubon Ratchathani University, Thailand
N.29	<b>Incidence and characteristics of small for gestational age in Taiwan, 2007-2017</b> Yea-Chwen Wu, Taipei Medical University, Taiwan
N.30	<b>The Correlation between Exposure of Antibiotics in Early Childhood and Risk of Autism Spectrum Disorder and Attention-Deficit/Hyperactivity Disorder</b> Kai-Lin Yang, National Taiwan University, Taiwan