

# Poster presentations

All posters will be on display during the Conference, from 08:00 Saturday 12 October until 16:15 Sunday 13 October.

Posters have been grouped thematically and the poster boards are numbered sequentially and located throughout Plenary Hall B.

A number of spotlight posters will be displayed in Craft Classroom and will be presented during the Spotlight poster session on Sunday 13 October from 09:45-11:00.

Presenters have been asked to be in attendance at their poster, as listed below, to discuss their work with interested delegates.

## **SATURDAY 12 OCTOBER 2019, 10:00-10:30**

Pharmacoepidemiology and traditional medicines (poster boards 364 – 382)  
Pharmacogenomics research and drug safety (poster boards 383 – 388)  
Pharmaceutical policy and administration (poster boards 389 – 391)  
Other related fields (poster boards 426 – 449)  
Evidence-based medicine (poster boards 450 – 462)  
Prevention of medication errors and drug misuse/abuse (poster boards 463 – 466)  
Rational drug use (poster boards 467 – 474)  
Evidence-based pharmacy (poster boards 506 – 509)  
Rare disease and orphan medicines (poster boards 510 – 512)  
Post-marketing drug effectiveness and safety evaluation (poster boards 513 – 531)

## **SATURDAY 12 OCTOBER 2019, 15:00-15:45**

Pharmacoepidemiology and Pharmacovigilance research methods (poster boards 332 – 363)  
Drug utilization evaluation studies (poster boards 392 – 425)  
Drug safety risk monitoring, evaluation and prevention (poster boards 475 – 505)

## **SUNDAY 13 OCTOBER 2019, 09:30-11:00**

All presenters have been asked to be in attendance at their poster to discuss their work with interested delegates.

## **SATURDAY 12 OCTOBER 2019, 10:00-10:30**

Poster number	Paper title and presenter
<b>Pharmacoepidemiology and traditional medicines</b>	
364	<b>Risk of neuroleptic malignant syndrome among patients exposed to antipsychotics</b> Esther Chan, The University of Hong Kong, Hong Kong
365	<b>The treatment patterns of patients with diabetic nephropathy in Songjiang District of Shanghai</b> Yun Chen, Fudan University, China
366	<b>Association between hepatitis B virus infection/anti-HBV agents and the risk of colorectal cancer</b> He-Yun Cheng, Taipei Medical University, Taiwan
367	<b>The effect of Rosmarinus officinalis L. on cognitive function and mood: A systematic review and meta-analysis</b> Piyameth Dilokthornsakul, Naresuan University, Thailand
368	<b>Epidemiology and treatment patterns of chronic lymphocytic leukemia/ small lymphocytic lymphoma (CLL/SLL) in Taiwan: 2007-2017</b> Fei-Yuan Hsiao, National Taiwan University, Taiwan
369	<b>Korean nationwide registry of severe cutaneous adverse reactions 2010-2018</b> Dong-Yoon Kang, Seoul National University Hospital, South Korea

370	<b>Prescribed medication for identifying people with dementia in electronic primary care records in the UK</b> Sujin Kang, Imperial College London, UK
371	<b>Evaluation of patterns of Tanreqing injection based on the real-world study</b> Xiaoxiao Li, Peking University Third Hospital, China
372	<b>Incidence of bladder cancer in renal transplant recipients</b> Hsin-Lin Lin, Chi Mei Medical Center, Taiwan
373	<b>Effectiveness of Chinese herbal medicine in patients with hypertension</b> Tsung Hsuan Lin, Chi Mei Medical Center, Taiwan
374	<b>Silymarin use reduces the risk of age-related macular degeneration in patients with chronic liver disease: A pilot study</b> Sian-De Liu, Linkou Chang Gung Memorial Hospital, Taiwan
375	<b>Risk study of rhabdomyolysis among users of statin, fibrate and statin-fibrate with and without impaired renal function using claims data.</b> Shingo Nakada, Sumitomo Dainippon Pharma Co., Ltd, Japan
376	<b>Exploring herbs that cause interstitial pneumonia using electronic healthcare record data</b> Tasuku Okui, Kyusyu University Hospital, Japan
377	<b>Investigating prescription patterns for kampo medicines using a latent dirichlet allocation model</b> Tasuku Okui, Kyusyu University Hospital, Japan
378	<b>Drug utilization of CPM for patients with respiratory disease at community pharmacies in China: An analysis from 2014 to 2018</b> Lisong Yang, University of Macau, China
379	<b>Aspirin use and incidence of stroke in patients with diabetes treated with statins: A population-based cohort study</b> Yi-Chun Yeh, Changhua Christian Hospital, Taiwan
380	<b>The overview and perspective of pharmacoepidemiologic study based on medical database in China</b> Li Zhang, Beijing University of Chinese Medicine, Dongfang Hospital, China
381	<b>Current status and consideration on the standard nomenclature and coding rules of Traditional Chinese Medicine Drugs</b> Li Zhang, Beijing University of Chinese Medicine, Dongfang Hospital, China
382	<b>The relationship between calcium channel blockers use and risk of Parkinson's disease</b> Pei Chen Lee, National Taipei University of Nursing and Health Sciences, Taiwan
<b>Pharmacogenomics research and drug safety</b>	
383	<b>Target identification and drug repurposing studies in Crohn's disease: An in-silico approach</b> Kshreeraja Satish, M. S. Ramaiah University of Applied Sciences, India
384	<b>A target specific drug repurposing approach for Crohn's disease through molecular docking studies</b> Kshreeraja Satish, M. S. Ramaiah University of Applied Sciences, India
385	<b>Analysis of potential targets for drug repurposing in cystic fibrosis through microarray profiles</b> Neha Maria Thomas, M. S. Ramaiah University of Applied Sciences, India
386	<b>In-silico determination of therapeutic possibilities for duchenne muscular dystrophy: A gene database linked analysis</b> Rachana Pai, M. S. Ramaiah University of Applied Sciences, India
387	<b>In-silico identification of potential targets for drug repurposing in cystic fibrosis using gene expression profiles</b> O V Joshmi, M. S. Ramaiah University of Applied Sciences, India
388	<b>A design to evaluate risk of intussusception after rotavirus vaccine based on active surveillance in China</b> Zhike Liu, Peking University Health Science Center, China
<b>Pharmaceutical policy and administration</b>	
389	<b>Impact of changing reimbursement criteria on statin treatment patterns among patients with atherosclerotic cardiovascular disease or diabetes mellitus in Taiwan</b> Chia-Yun Hsu, Health Data Research Center, National Taiwan University, Taiwan
390	<b>Economic burden of cancers in Taiwan: A direct and indirect cost estimates for 2007-2017</b> Shao-Yi Huang, National Taiwan University, Taiwan
391	<b>Impact of medical fee restriction on multidrug prescriptions: A time-series analysis using real-world data</b> Jinsang Park, Kyushu University Hospital, Japan
<b>Evidence-based medicine</b>	

450	<b>A Study of knowledge, attitude and practice about nosocomial infections among healthcare workers in a tertiary care teaching hospital</b> Aishwarya Niranjana, JSS College of Pharmacy, India
451	<b>Direct comparison of statins and fibrates on important efficacy and safety outcomes: Systematic review and meta-analysis</b> Joseph Blais, Centre for Safe Medication Practice and Research, Hong Kong
452	<b>Bone targeting agent utilization in breast and prostate cancer patients with bone metastasis: A nationwide population cohort in Taiwan</b> Wei-Ju Chen, Amgen TW, Taiwan
453	<b>Accuracy of commercial molecular diagnostics for the detection of pulmonary tuberculosis in China: A systematic review</b> Siwei Deng, Peking University School of Public Health, China
454	<b>Real-world outcomes associated with the use of companion diagnostics in advanced NSCLC, Flatiron Health 2011–2018</b> Ani John, Roche Diagnostics, USA
455	<b>Validity and reliability of patient section of evidence-based medical records about doctor-patient building through integrated therapy to gastrointestinal diseases</b> Bo Li, Capital Medical University, China
456	<b>Effectiveness of prevention of influenza infection with green tea catechins: A systematic review and meta-analysis</b> Surasak Saokaew, University of Phayao, Thailand
457	<b>The impact of selected biomarker levels changes on serum tumor marker levels elevation among Chinese lung cancer patients</b> HongChun Wang, Qilu Hospital of Shandong University, China
458	<b>Serum tumor markers utilization pattern among Chinese lung cancer patients in routine clinical practice</b> HongChun Wang, Qilu Hospital of Shandong University, China
459	<b>ETV combination with IFN-<math>\alpha</math> is superior to ETV monotherapy in reducing hepatocellular carcinoma in chronic hepatitis B patients</b> Li Wang, School of Basic Medicine Peking Union Medical, China
460	<b>Efficacy and safety of anti-cancer biosimilars compared to reference biologics in oncology: A systematic review and meta-analysis</b> Shuqing Yu, Peking University School of Public Health, China
461	<b>Safety of rapid deployment versus conventional bioprosthetic valve: A systematic review and meta-analysis</b> Baoqi (Byron) Zeng, Peking University, China
462	<b>Long-term outcomes of bioprosthetic versus mechanical mitral valve replacement: A systematic review and meta-analysis</b> Baoqi (Byron) Zeng, Peking University, China
<b>Prevention of medication errors and drug misuse/abuse</b>	
463	<b>Effects of a newly-design antiviral-drug teaching kit used in people living with HIV (PLHIV) in a Taiwan regional teaching hospital</b> SuHan Hsu, Taipei City Hospital, Taiwan
464	<b>Integrated the pharmacist clinical monitoring practices and decision-guide order entry system to reduce the antibiotic dosing errors and cost</b> Hsiao-Feng Huang, Chi Mei Hospital, Taiwan
465	<b>Patient safety attitudes of pharmacy students in an Indian Medical University: A cross-sectional study</b> Juny Sebastian, JSS Academy of Higher Education and Research, India
466	<b>Improving medical safety by preventing medication errors with information management system intervention in Taiwan</b> Pin Hsin Wang, Taipei City Hospital Yangming Branch, Taiwan
<b>Rational drug use</b>	
467	<b>Assessment of prescribing pattern and source of prescription of Histamine 2 receptor antagonists and Proton pump inhibitors.</b> MSV Chandrabhiroop, M.S. Ramaiah University of Applied Sciences, India
468	<b>Variation in medication regimen complexity in Australian residential aged care</b> Esa Chen, Monash University, Australia
469	<b>Domperidone prescribing practices for insufficient lactation in mothers at a mother and child hospital</b>

	Tanaporn Chittawikul, Ministry of Public Health, Thailand
470	<b>Assessment of quality of life amongst knee osteoarthritis patients deprescribed of analgesics</b> Abuzear Faruqi, M.S. Ramaiah University of Applied Sciences, India
471	<b>Study the prevalence of significant microbial changing pattern in diabetic foot ulcer patients at tertiary care teaching hospital</b> Arunraj Kalichamy, Annamalai University, India
472	<b>Assessment of clinical and economic impact of clinical pharmacist -initiated drug therapy management among general surgery patients</b> Ann Kuruvilla, JSS College of Pharmacy, India
473	<b>The influence of a short-term physicians' training course on adherence to long-term statin therapy</b> Yulia Lukina, National Medical Research Center for Preventive Medicine of Ministry of Health, Russian Federation
474	<b>Effectiveness of educational intervention on knowledge and counseling practice on common cold management among community pharmacists</b> Ha Vo, University of Medicine Pham Ngoc Thach, Viet Nam
<b>Evidence-based pharmacy</b>	
506	<b>Effect of coffee consumption and nonalcoholic fatty liver disease: Umbrella review and systematic review and meta-analysis</b> Surasak Saokaew, University of Phayao, Thailand
507	<b>Epinephrine for the treatment of anaphylaxis: A systematic review</b> Xiaotong Li, Peking University Third Hospital, China
508	<b>Assessment of knowledge, attitude and practice on drug allergy amongst in-patients in a tertiary care hospital</b> Shilpa Palaksha, JSS College of Pharmacy, India
509	<b>Efficacy of pharmaceutical care at hospital setting in China: Systematic evaluation of evidence from randomized clinical trials</b> Junnan Shi, University of Macau, Macao
<b>Rare disease and orphan medicines</b>	
510	<b>Severity classification and estimating of ulcerative colitis (UC) patients using Japanese clime database</b> Kaede Anabuki, JMDC Inc., Japan
511	<b>The use of isoproterenol for ventricular fibrillation in Brugada Syndrome</b> Damian Kim, Touro College of Pharmacy, USA
512	<b>The association between partner bereavement and new melanoma diagnosis and subsequent mortality of melanoma: Population-based cohort studies</b> Angel Wong, London School of Hygiene and Tropical Medicine, UK
<b>Post-marketing drug effectiveness and safety evaluation</b>	
513	<b>An analysis of reports for conventional synthetic disease modifying antirheumatic drugs (csDMARDs) in EudraVigilance</b> Laura Alexandra Anghel, University of Medicine and Pharmacy "Iuliu Hatieganu", Sweden
514	<b>Non-steroidal anti-inflammatory drugs and the risk of nephrotic syndrome: A case-control study</b> Mohammad Bakhriansyah, Utrecht Institute for Pharmaceutical Sciences (UIPS), Netherlands
515	<b>The use of antibiotics in adult patients with chronic bronchitis and the influencing factors of readmission</b> Siwei Deng, Peking University School of Public Health, China
516	<b>Analysis on drugs triggering allergic reactions in the combination with Xiyanping injection: A nested case-control design</b> Jingnan Feng, Peking University, China
517	<b>Adverse events of TGP in patients from rheumatology and dermatology departments: A multi-center, non-intervention register study</b> Jingnan Feng, Peking University, China
518	<b>Safety profile of Thalidomide: Is it still worth discussing?</b> Gouri Nair, M S Ramaiah University of Applied Sciences, India
519	<b>Neurodegenerative Diseases Global Epidemiology Network (NeuroGEN)</b> Jenni Iilomaki, Monash University, Australia
520	<b>Assessment of severe events in influenza outpatients treated with baloxavir marboxil: An observational database study</b> Takuji Komeda, Shionogi Pharmacovigilance Center Co., Ltd., Japan

521	<b>Skeletal muscle relaxant associated renal disorders: Exploration of novel adverse event using disproportionality analysis</b> Subeesh Kulangara Viswam, M.S. Ramaiah University of Applied Science, India
522	<b>Efficacy and safety of febuxostat in kidney transplant recipients</b> Hsin-Lin Lin, Chi Mei Medical Center, Taiwan
523	<b>Bisoprolol compared with carvedilol for sudden cardiac arrest prevention among individuals receiving maintenance hemodialysis</b> Yi-Ting Lin, Kaohsiung Medical University Hospital, Taiwan
524	<b>Adverse drug events: Data sources and difficulties in collecting of information in a framework of outpatient registry</b> Yulia Lukina, National Medical Research Center for Preventive Medicine of Ministry of Health, Russian Federation
525	<b>The interrelationship of aspects of medication adherence and therapy safety in patients of outpatient register</b> Yulia Lukina, National Medical Research Center for Preventive Medicine of Ministry of Health, Russian Federation
526	<b>Pharmacovigilance and risk management plan at pre-authorization: A comparative study to medicine decision making</b> Pakawadee Sriphiromya, Ministry of Public Health, Thailand
527	<b>Trend in method for statistical sample size calculation of the post-marketing surveillance in Japan</b> Hiroaki Tsuchiya, Janssen Pharmaceutical K.K., Japan
528	<b>Feasibility assessment of post-marketing surveillance of vaccine safety and effectiveness using reginal health information platform in China</b> Yu Yang, Peking University, China
529	<b>Evidence-based evaluation of benefit and risk for incretin-based therapies: A protocol</b> Shuqing Yu, Peking University School of Public Health, China
530	<b>A feasibility assessment framework for conducting comparative effectiveness research (CER) using electronic medical record (EMR) database in China</b> Xinran Zhao, IQVIA, China
531	<b>Study feasibility assessment for total joint replacement surgery, comparing Japanese and United States databases: A retrospective cohort of osteoarthritis patients</b> Naoki Isogawa, Pfizer R&D Japan, Japan
<b>Other related fields</b>	
426	<b>Referral system makes triple-win among patients, primary hospital and regional ART center: Result from a pilot test</b> Lei Yan, Merck Serono Co, Ltd, China
427	<b>The study of the association between meteorological data and diseases using claims database</b> Kaede Anabuki, JMDC Inc., Japan
428	<b>Treatment adherence and beliefs about medicines in autoimmune rheumatic diseases</b> Laura Alexandra Anghel, University of Medicine and Pharmacy "Iuliu Hatieganu", Sweden
429	<b>Prevalence of opportunistic infections and their impact on healthcare cost among patients with HIV in a developing mixed economy country</b> Balaji Gupta, JSS College of Pharmacy, India
430	<b>Heavy metals contamination in rice growth in Thailand: A systematic review for the past 10 years.</b> Piyameth Dilokthornsakul, Naresuan University, Thailand
431	<b>Modeling the population health impact of introducing a reduced-risk product into Asian markets, Japan and Singapore</b> Smilja Djurdjevic, Phillip Morris International, Switzerland
432	<b>Timing of pediatric labeling and clinical trial evidence supporting approval of pediatric drugs in Japan, the US, and the EU</b> Saeko Hirota, Tohoku University Graduate School of Medicine, Japan
433	<b>The recent landscape of observational studies initiated by pharmaceutical companies in Japan: Implication from literature search</b> Yoshie Hongo, Shionogi & Co., Ltd., Japan

434	<b>A bibliometric and text mining analysis of the publications using Taiwan's National Health Insurance claims data: Rise and fall?</b> Chien-Yang Hsieh, Tainan Sin Lau Hospital, Taiwan
435	<b>Performance of Charlson Comorbidity Index and Elixhauser Comorbidity Index to predict mortality with cancer in Korean national health insurance cohort</b> Heejin Kim, Ewha Womans University, South Korea
436	<b>Introducing patient flow concept to analyze pneumonia care experience in a regional hospital</b> Hsiao Lin Kuo, Chi Mei Hospital, Taiwan
437	<b>Developing an integrated real-world data ecosystem to enhance care delivery for chronic obstructive pulmonary disease patients in Singapore</b> Shao Wei Sean Lam, Singapore Health Services, Singapore
438	<b>Health-related quality of life in type-2 Diabetes Mellitus patients: A cross-sectional study in South India</b> Elizabeth Neena Manalel, Ramaiah University of Applied Sciences, India
439	<b>Real world data in drug discovery: Approach for understanding diseases and their unmet medical needs</b> Hirokazu Nishimura, Mitsubishi Tanabe Pharma Corporation, Japan
440	<b>Cost-Effectiveness of Evolocumab in treating cardiovascular disease</b> Reshmee Patel, Touro College of Pharmacy, USA
441	<b>Optimal drug master that enhances real world data analysis and improves medical safety</b> Eiko Shimizu, The University of Tokyo, Japan
442	<b>Impact of sleep and stress on pregnant woman: A cross sectional study</b> Sri Raghu Bapiraju Mudunuri, Shri Vishnu College of Pharmacy, India
443	<b>Comparative effectiveness of unicompartmental and total knee replacement for patients with comorbidities</b> Victoria Strauss, University of Oxford, UK
444	<b>Incidence of community-acquired pneumonia in China: A nationwide claims database analysis</b> Yixin Sun, Peking University School of Public Health, China
445	<b>Impact of medical conditions and medication use during pregnancy on adverse birth outcomes: A hospital-based case-control study</b> Krishna Undela, JSS Academy of Higher Education & Research, India
446	<b>Impact of preterm birth and low birthweight on medical conditions, medication use and mortality among neonates: A prospective observational study</b> Krishna Undela, JSS Academy of Higher Education & Research, India
447	<b>A natural language processing algorithm for pulmonary nodule identification from chest CT imaging report in Chinese free text</b> Tao Wu, Janssen Research & Development, China
448	<b>Major drivers of pharmaceutical costs in state sector health care institutions of Sri Lanka</b> Kithmini Yasarathna, General Sir John Kotelawala Defence University, Sri Lanka
449	<b>Comparative study between isophane protamine Biosynthetic human insulin injection and other antidiabetic drugs for the treatment of diabetes mellitus</b> Yan Ren, Sichuan University, China

**SATURDAY 12 OCTOBER 2019, 15:00-15:45**

Poster number	Paper title and presenter
<b>Pharmacoepidemiology and Pharmacovigilance research methods</b>	
332	<b>Use of stroke registry and data linkage for comparative effectiveness research: Overview and methodology</b> Norazida Ab Rahman, Institute for Clinical Research, Malaysia
333	<b>Prevalence, pain intensity and disability of low back pain among Indian population. A cross-sectional study</b> Mir Mahmood Asrar, Niper-Mohali, India
334	<b>Association of diet and other risk factors among coronary heart disease patients</b> Vinay BC, Nitte Gulabi Shetty Memorial Institute of Pharmaceutical Sciences, India
335	<b>Korean pharmacovigilance system based on EHR-CDM</b> Eunmi Choi, Korea Institute of Drug Safety & Risk Management, South Korea
336	<b>The main position of medical and district health nurses in pharmacovigilance</b> Shkurti Enkelejda, University of Medicine, Albania
337	<b>Impact of prevalence, sensitivity, specificity, and positive and negative predictive values from a validation study on planning of database studies</b> Shintaro Hiro, Pfizer R&D Japan, Japan
338	<b>Effect of ICD-9-CM to ICD-10-CM coding system transition on prevalence of common diseases: An interrupted time series analysis</b> Meng Chen Hsu, National Taiwan University, Taiwan
339	<b>A novel software for efficient construction of datasets using health insurance claims database</b> Tomohide Iwao, Health care database Research Institute, Japan
340	<b>Diabetic complications severity index and risk of mortality and hospitalization using National Health Insurance Database in Korea</b> Sukhyang Lee, Ajou University, South Korea
341	<b>Adverse drug reactions evaluation in a Taiwan hospital</b> Yu-Hong Lin, Kaohsiung Veterans General Hospital Tainan Branch, Taiwan
342	<b>Assessment of record linkage using administrative claims data and antimicrobial susceptibility testing data</b> Wataru Mimura, Meiji Pharmaceutical University, Japan
343	<b>Prevalence of significant lesions in Dyspepsia Patients by upper Gastrointestinal Endoscopy</b> Junior Sundresh N, Annamalai University, India
344	<b>Liver enzymes during and after antimalarial therapy in Nigerian children with uncomplicated Plasmodium Falciparum infection</b> Zacchaeus Olofin, University of Ibadan, Nigeria, Nigeria
345	<b>Predicted population health impacts of heated tobacco products in Japan</b> Bill Poland, Certara USA, Inc., USA
346	<b>Medication errors associated with the use of antibiotics in critical care units</b> Madhan Ramesh, JSS Academy of Higher Education & Research, India
347	<b>Medication related hospital admissions to a tertiary care teaching hospital: A prospective cross-sectional study</b> Madhan Ramesh, JSS Academy of Higher Education & Research, India
348	<b>The effectiveness of a T2DM medication in lowering the risk of stroke: A cohort study using the MDV database</b> Yasunari Sadatsuki, CAC Croit Corporation, Japan
349	<b>Validation study of medication adherence based on claims data in Japan</b> Yoshiyuki Saito, University of Tokyo, Japan
350	<b>Epidemiology of heart failure in South-India: Assessment of disease-specific prevalence, phenotypic classification, and risk factors from Manipal Heart Failure Registry</b> Ajit Singh, Kasturba Medical College, Manipal Academy of Higher Education, India
351	<b>Increased risk of allergic reactions associated with xiyanning injection: A prescription sequence symmetry analysis</b> Yixin Sun, Peking University School of Public Health, China
352	<b>Factors for starting biosimilar TNF inhibitors in patients with rheumatic diseases in the real world</b> Yoo-Kyoung Sung, Hanyang University Hospital for Rheumatic Diseases, South Korea

353	<b>A retrospective database analysis to determine the number of patients using levonorgestrel intrauterine system (L-IUS) in estrogen replacement therapy (ERT)</b> Noriko Takahashi, Bayer Yakuhin Ltd., Japan
354	<b>Comparison of laboratory threshold criteria in drug-induced liver injury detection algorithms for use in pharmacovigilance</b> Eng Hooi Tan, National University of Singapore, Singapore
355	<b>Practical issues of cohort and event definition in database research: Risk assessment of dyslipidemia by atypical antipsychotics using claim database</b> Shunsuke Tani, Sumimoto Dainippon Pharma Co., Ltd, Japan
356	<b>Inventory of real-world data sources in Japan: Survey results by JSPE Pharmacoepidemiology and Database Task Force</b> Kanae Togo, Pfizer Japan Inc., Japan
357	<b>A study for incidence proportion of thrombocytopenia in herpes zoster patients using medical information data in Japan</b> Ichiro Unno, Maruho Co.,Ltd., Japan
358	<b>Use of antihyperglycemic drugs and risk of colon cancer recurrence: A nested case-control study</b> Ting-Yi Wang, National Taiwan University, Taiwan
359	<b>Systematic investigation on guidelines for real world study using observational designs</b> Wen Wang, West China Hospital, Sichuan University, China
360	<b>Statins or thiazide associated with new-onset diabetes in hypertensive patients: Multilevel random effect model</b> Sawaeng Watcharathanakij, Faculty of Pharmaceutical Sciences, Thailand
361	<b>Identification of patient with cardiovascular diseases in EMR and claim databases in Chinese-speaking countries: An extensive review</b> Jiewei Wu, IQVIA, China
362	<b>Validation of heart failure diagnosis with International Classification of Diseases-10 and natural language processing in an electronic medical records database</b> Hongxin Zhao, Shanghai Synyi Medical Technology Co., Ltd, China
363	<b>Considerations in measuring healthcare resource utilization using electronic medical record databases versus claims databases in China: An extensive review</b> Yigong Zhou, IQVIA, China
<b>Drug utilization evaluation studies</b>	
392	<b>Midodrine for prevention of intradialytic hypotension in high risk patients at a tertiary referral hospital: A retrospective study</b> Saja Alhabardi, SFDA, Saudi Arabia
393	<b>Comparisons empiric antibiotics for treatment of patients admitted with pneumonia in a regional hospital in Taiwan: A retrospective cohort study</b> Che-Chia Liang, Cheng Ching Hospital, Taiwan
394	<b>Prescribing patterns of antiplatelet therapy in patients with ischaemic stroke and transient ischaemic attack in Malaysia</b> Norazida AB Rahman, Institute for Clinical Research, Malaysia
395	<b>Impact of antenatal steroids' use in pregnant mothers' on the severity of neonatal respiratory distress syndrome.</b> Rupal Aroza, Manipal Academy of Higher Education, India
396	<b>Prescription patterns of medications for newly diagnosed adult patients with partial epilepsy from 2006 to 2017</b> Siming Chen, Kyoto University, Japan
397	<b>Evaluation of liraglutide usage for treatment of type 2 diabetes at a at a hospital in southern Taiwan</b> Chih-Jen Cheng, Kaohsiung Veterans General Hospital Tainan Branch, Taiwan
398	<b>Medication use for people with mild chronic obstructive pulmonary disease in community settings of Shanghai</b> Chaowei Fu, Fudan University, China
399	<b>Patterns and predictors of cardiac specific narrow therapeutic index and high alert medication utilization</b> Ganesan Rajalekshmi Saraswathy, M.S. Ramaiah University of Applied Sciences, India
400	<b>Bacteriological study and antibacterial susceptibility of Ludwig's angina</b> Md. Mehedi Hasan, Square Hospitals Ltd., Bangladesh



401	<b>Comparing utilization of anti-tumor agents and survival outcome based on KRAS status among metastatic colorectal cancer patients using real-world data</b> Ru-Yu Huang, Kaohsiung Medical University, Taiwan
402	<b>Prescription of secondary preventive drugs after ischemic stroke in low- and middle-income countries: A systematic review and meta-analysis</b> Wen Yea Hwong, Institute for Clinical Research, Malaysia
403	<b>Use of low-dose estrogen oral contraceptives among Japanese women: The Japan Nurses' Health Study (JNHS)</b> Yuki Ideno, Gunma University, Japan
404	<b>Changes in medicine prescription before and after admission to long-term care welfare facilities in a city of Japan</b> Masao Iwagami, University of Tsukuba, Japan
405	<b>Comparison of surfactants used in the treatment of Neonatal Respiratory Distress Syndrome</b> Pareeta Kotecha, Manipal Academy of Higher Education, India
406	<b>Early conversion from intravenous to oral medications: Assessment and evaluation of clinical outcomes in hospitalized patients</b> Subeesh Kulangara Viswam, M.S. Ramaiah University of Applied Science, India
407	<b>Evaluation of drug utilization pattern among pregnant women in a tertiary care teaching hospital</b> Vijayanarayana Kunhikatta, Manipal Academy of Higher Education, India
408	<b>Utilization of intravenous ribavirin among reproductive age adults in 2010- 2017: A population-base study in China</b> Hailong Li, Sichuan University, China
409	<b>Assessment of medication use and polypharmacy among pregnant women in the United States</b> Hsuan-Yu Lin, Taipei Medical University, Taiwan
410	<b>Trends in antipsychotic use of newly treated schizophrenia patients</b> Zhen-Fang Lin, National Taiwan University, Taiwan
411	<b>The profile of antibiotic use and the economic burden in hospitalized patients with chronic obstructive pulmonary disease (COPD) in China</b> Lili Liu, Peking University, China
412	<b>Prescribing and dispensing of OTC analogue products in Japan: A review of real-world evidence</b> Michael Lopresti, The University of Tokyo, Japan
413	<b>Prescribing pattern of proton pump inhibitors in the department of general medicine of a tertiary care hospital</b> Eswaran Maheswari, M.S. Ramaiah University of Applied Sciences, India
414	<b>Benzodiazepine utilization pattern and adverse drug reactions amongst patients of Department of Psychiatry</b> Eswaran Maheswari, M.S. Ramaiah University of Applied Sciences, India
415	<b>Study on the actual prescription practices of anti-influenza drugs in the pediatric field by using medical information databases</b> Kosuke Nakano, National Center for Child Health and Development, Japan
416	<b>Effect of pro re nata medication usage on estimation of fragility fracture risk associated with concomitant central nervous system medications</b> Eri Ohara, Tokushima Bunri University, Japan
417	<b>Evaluation of prescription pattern in patients with Chronic Obstructive Pulmonary Disease in a tertiary care setting</b> Rajesh V, Manipal College of Pharmaceutical Sciences, India
418	<b>Assessment of prescription pattern and estimation of clinical and economical outcome of management of gastroenteritis in paediatric population</b> Deepa Shakya, JSS Academy of Higher Education and Research, Nepal
419	<b>Understanding of medication adherence and patient satisfaction in low socio-economic hypertensive elderly patients visiting a public hospital in South India</b> Ponnusankar Sivasankaran, JSS College of Pharmacy, India
420	<b>Anti-diabetic drug utilization knowledge and glycemic index control in patient with uncontrolled diabetes mellitus</b> Naima Ahmed Tamanna, Islamic University, Bangladesh
421	<b>Use of antibiotics and Xiyanning injection in Chinese children with bronchitis</b> Lu Xu, Peking University, China
422	<b>Evaluation of Pharmacological interventions of Somatostatin and analogues for acute pancreatitis- A multi-center, real-world EMR database study in China</b>

	Lei Yan, Merck Serono Co, Ltd, China
423	<b>A comprehensive survey on drug dispensing in pharmacy for Japanese elderly patients dwelling in the community</b> Akihiro Yuasa, Japan Medical Association, Japan
424	<b>Titration of topiramate in patients with epilepsy: A real-world database analysis</b> Ting Zhang, JNJ, China
425	<b>Appropriateness of outpatient antibiotic prescribing in China: Nationwide cross-sectional study</b> Houyu Zhao, Peking University, China
<b>Drug safety risk monitoring, evaluation and prevention</b>	
475	<b>Study protocol of electronic health record nested pragmatic randomized controlled trial of reminder system for serum lithium level monitoring</b> Morio Aki, Toyooka Hospital, Japan
476	<b>Prevalence of antiplatelet drug resistance using thromboelastography and major adverse cardiac events after coronary intervention in acute coronary syndrome patients</b> Sheetal Chauhan, Melaka Manipal Medical College, India
477	<b>Evaluating drug safety of benzodiazepine and non-benzodiazepine medicine with chronic obstructive pulmonary disease</b> Chung-Yu Chen, Kaohsiung Medical University, Taiwan
478	<b>Analysis of individual case safety reports of drug-induced anaphylaxis in Korea Adverse Event Reporting System Database</b> Minkyong Cho, Seoul National University Hospital, South Korea
479	<b>Drug-stimulated nephrotoxicity</b> Diamant Shtiza, University of Medicine, Albania
480	<b>Drug - stimulated Nephrotoxicity</b> Diamant Shtiza, University of Medicine, Albania
481	<b>Diabetic ketoacidosis induced by SGLT2 inhibitors</b> Yuan-Chang Huang, Chi-Mei Medical Center, Taiwan
482	<b>Impact of deprescribing and counseling on quality of life amongst chronic H2 receptor antagonists and proton pump inhibitors consuming patients</b> Padmanabuni Gayathri, M.S. Ramaiah University of Applied Sciences, India
483	<b>Antipsychotic drugs and the risk of diabetic complications: A systematic review</b> Nisrine Haddad, University of Ottawa, Canada
484	<b>Investigation of drug-induced hearing loss using the Japanese Adverse Drug Event Report database</b> Asuka Hatabu, Osaka University, Japan
485	<b>Evaluation of warfarin usage and INR control in a hospital in Taiwan: A retrospective study</b> Suhan Hsu, Taipei City Hospital, Taiwan
486	<b>Risk of malignant lymphoma in patients with rheumatoid arthritis treated with biological disease-modifying antirheumatic drugs and methotrexate</b> Ryo Inose, Osaka City University Hospital, Japan
487	<b>Identification of background factors affecting the risk of specific adverse drug reactions in patients receiving dipeptidyl peptidase 4 inhibitors</b> Daigo Kaseda, Keio University, Japan
488	<b>Patterns of spontaneous adverse event reporting following HPV vaccination in Korea and the United States</b> Myo Song Kim, Chung-ang University, South Korea
489	<b>Selective serotonin reuptake inhibitor use and brain hemorrhage: Systematic review and meta-analysis</b> Seonji Kim, Seoul National University College of Medicine, South Korea
490	<b>Association between methylphenidate/atomoxetine use and long-term cardiovascular risk in pediatric patients with attention-deficit and hyperactivity disorder</b> Heng-Ching Liao, National Taiwan University, Taiwan
491	<b>Antiretroviral therapy and lactic acidosis: Risk quantification using disproportionality analysis in USFDA Adverse Event Reporting System (FAERS)</b> Subeesh Kulangara Viswam, M.S. Ramaiah University of Applied Science, India
492	<b>Incidence of proton pump inhibitors induced fundic gland polyps based on endoscopic findings: A prospective study</b> Eswaran Maheswari, M.S. Ramaiah University of Applied Sciences, India

493	<b>Attitude and willingness of residents towards deprescribing to minimize drug related problems</b> Eswaran Maheswari, M.S. Ramaiah University of Applied Sciences, India
494	<b>The study of local anesthetics` safety in electronic database of adverse drug reactions reports occurred in Crimea Republic in 2010-2018</b> Alexandr Matveev, National Scientific Center of Pharmacovigilance, Russia
495	<b>Adverse effects of Fluoroquinolones: A retrospective cohort study in a tertiary health-care facility</b> Sonal Sekhar Miraj, Manipal Academy of Higher Education, India
496	<b>Feasibility assessment of a study for hepatitis-C patients using MID-NET as an early experience of the new database</b> Makoto Miyazaki, MSDKK, Japan
497	<b>Improving diabetes drug adherence using accurate information delivery to patients using drug dispensing history while securing patient's identity anonymity</b> Reika Nakamura, CMIC Healthcare Co., Ltd., Japan
498	<b>Novel adverse events of Bedaquiline: A disproportionality analysis in USFDA Adverse Event Reporting System database (FAERS)</b> Subeesh Kulangara Viswam, M.S. Ramaiah University of Applied Science, India
499	<b>Selective safety data collection (ICH E19 draft guideline) - When the safety profile of the drug is well-characterized?</b> Hiroyuki Saeki, FUJIFILM Toyama Chemical Co., Ltd., Japan
500	<b>The potential beneficial effects of low-dose aspirin on gastrointestinal cancers: A population-based cohort study in Hong Kong</b> Jessica Shami, The University of Hong Kong, Hong Kong
501	<b>How much evidence is needed before we conclude against the use of oxygen therapy in acute myocardial infarction?</b> Ambrish Singh, University of Tasmania, India
502	<b>Data sources supporting food and drug administration drug safety communications</b> Noam Tau, Tel Aviv University, Israel
503	<b>Effect of interaction between tacrolimus and mammalian target of rapamycin inhibitors on risk of non-Hodgkin lymphoma and non-melanoma skin cancer</b> Takaya Uno, Kindai University, Japan
504	<b>Proton pump inhibitors and infection-related hospitalizations among residents of long-term care facilities: A case-control study</b> Kate Wang, Monash University, Australia
505	<b>Evaluation of adverse drug reactions in Taiwan regional hospital</b> Pin Hsin Wang, Taipei City Hospital Yangming Branch, Taiwan