

# Drug Safety



Official Journal of the  
International Society of Pharmacovigilance

## Special Article

Aim and Design of the Dutch Pregnancy Drug Register pREGnant

## Systematic Review

Incidence and Severity of Dose Errors in Children's Hospital Wards

## Original Research Articles

The Reporting of ADRs with Direct Social Impact in Canada

Surveillance of Drug Safety during Pregnancy

POMME Cohort

SJS/TEN with Drugs other than Anti-Epileptics and Antibiotics

NSAIDs and Risk of First Hospitalization for Heart Failure

Romiplostim Self-Administration Using Home Administration Training Materials

## Short Communication

Effect of Lawyer-Submitted Reports on Safety Signals in FAERS

## NLP CHALLENGE FOR DETECTING MEDICATION AND ADVERSE DRUG EVENTS FROM ELECTRONIC HEALTH RECORDS (MADE 1.0)

(Guest Editors: Feifan Liu, Abhyuday Jagannatha and Hong Yu)

Overview of MADE 1.0

ADE Detection from EHRs Using Hierarchical Recurrent Neural Networks with Dual-Level Embedding

MADEx: A System for Detecting Medications, Adverse Drug Events

Adverse Drug Events Detection in Clinical Notes

Detecting Adverse Drug Events with Rapidly Trained Classification Models

## SPECIAL ARTICLE

- 1 Aim and Design of pREGnant, the Dutch Pregnancy Drug Register**  
S. Vorstenbosch · B. te Winkel · M.M.H.J. van Gelder · A. Kant · N. Roeleveld ·  
E. van Puijenbroek

## SYSTEMATIC REVIEW

- 13 The Prevalence of Dose Errors Among Paediatric Patients in Hospital Wards with and without Health Information Technology: A Systematic Review and Meta-Analysis**  
P.J. Gates · S.A. Meyerson · M.T. Baysari · J.I. Westbrook

## ORIGINAL RESEARCH ARTICLES

- 27 The Social Impact of Suspected Adverse Drug Reactions: An analysis of the Canada Vigilance Spontaneous Reporting Database**  
G. Castillon · F. Salvo · Y. Moride
- 35 Surveillance of Drug Safety During Pregnancy: Insight in Current International Activities, Future Intentions and Need for Support of National Pharmacovigilance Centres**  
A. Kant · L. de Vries · L. Rolfes
- 45 POMME: The New Cohort to Evaluate Long-Term Effects After Prenatal Medicine Exposure**  
J. Benevent · C. Hurault-Delarue · M. Araujo · J.-L. Montastruc · I. Lacroix ·  
C. Damase-Michel
- 55 Stevens–Johnson Syndrome and Toxic Epidermal Necrolysis in Association with Commonly Prescribed Drugs in Outpatient Care Other than Anti-Epileptic Drugs and Antibiotics: A Population-Based Case–Control Study**  
N. Frey · M. Bodmer · A. Bircher · S.S. Jick · C.R. Meier · J. Spoendlin
- 67 Nonsteroidal Anti-Inflammatory Drugs and Risk of First Hospitalization for Heart Failure in Patients with No History of Heart Failure: A Population-Based Case-Crossover Study**  
S.-P. Huang · Y.-C. Wen · S.-T. Huang · C.-W. Lin · T.-D. Wang · F.-Y. Hsiao
- 77 Assessment of Self-Administration of Romiplostim in Patients with Immune Thrombocytopenic Purpura after Receipt of Home Administration Training Materials: a Cross-Sectional Study**  
M. Schipperus · G. Kaiafa · L. Taylor · S. Wetten · G. Kreuzbauer · A. Boshier ·  
A. Seesaghur



SHORT COMMUNICATION

- 85 Effect of Lawyer-Submitted Reports on Signals of Disproportional Reporting in the Food and Drug Administration's Adverse Event Reporting System**  
J.R. Rogers · A. Sarpatwari · R.J. Desai · J.M. Bohn · N.F. Khan · A.S. Kesselheim · M.A. Fischer · J.J. Gagne · J.G. Connolly

EDITORIAL

- 95 Towards Drug Safety Surveillance and Pharmacovigilance: Current Progress in Detecting Medication and Adverse Drug Events from Electronic Health Records**  
F. Liu · A. Jagannatha · H. Yu

ORIGINAL RESEARCH ARTICLES

- 99 Overview of the First Natural Language Processing Challenge for Extracting Medication, Indication, and Adverse Drug Events from Electronic Health Record Notes (MADE 1.0)**  
A. Jagannatha · F. Liu · W. Liu · H. Yu
- 113 Adverse Drug Event Detection from Electronic Health Records Using Hierarchical Recurrent Neural Networks with Dual-Level Embedding**  
S. Wunnava · X. Qin · T. Kakar · C. Sen · E.A. Rundensteiner · X. Kong
- 123 MADEx: A System for Detecting Medications, Adverse Drug Events, and Their Relations from Clinical Notes**  
X. Yang · J. Bian · Y. Gong · W.R. Hogan · Y. Wu
- 135 Adverse Drug Events Detection in Clinical Notes by Jointly Modeling Entities and Relations Using Neural Networks**  
B. Dandala · V. Joopudi · M. Devarakonda
- 147 Detecting Adverse Drug Events with Rapidly Trained Classification Models**  
A.B. Chapman · K.S. Peterson · P.R. Alba · S.L. DuVall · O.V. Patterson

**Indexed** in Science Citation Index Expanded (SciSearch), Journal Citation Reports/Science Edition, PubMed/Medline, SCOPUS, EMBASE, Chemical Abstracts Service (CAS), Google Scholar, EBSCO Discovery Service, CSA, Academic OneFile, Academic Search, BIOSIS, BIOSIS Review Reports and Meetings, CSA Environmental Sciences, Current Contents/Clinical Medicine, Environment Index, Health Reference Center Academic, Journals@OVID, OCLC, PASCAL, SCImago, Summon by ProQuest

*Drug Safety* is the official journal of the International Society of Pharmacovigilance (ISoP). The official representative for the Society is Sten Olsson from the Uppsala Monitoring Centre, Sweden (President@isoponline.org).