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Application of Electronic Health Records in Pharmacovigilance

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Message from the Guest Editor

Pharmacovigilance (PV) is the science and activities relating to the detection, assessment, understanding and prevention of adverse effects or any other medicine/vaccine related problem (WHO). Electronic health records (EHRs) has played an important role in pharmacovigilance. Nowadays, EHRs become a principal data source using in daily PV. Furthermore, artificial intelligence (AI) recently has emerged as a useful tool in pharmacovigilance. AI could help in early detection and prevention of moderate and serious adverse drug reactions. However, there are a number of challenges that need to be addressed before AI can be fully adopted in this field. One of the challenge is how to use routine electronic health records with AI application in promoting pro-active monitoring of ADRs in clinical practice.

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not limited to) the following:

Using EHRs in pharmacovigilance
Implementation of automatic or semiautomatic trigger tool to detect ADRs using EHRs
AI application in pharmacovigilance
Active monitoring of adverse drug reactions using EHRs