

**SIC2011**

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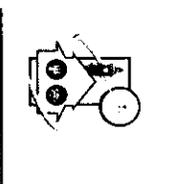
at the fifth Saudi International Conference (SIC2011)

that was held at the University of Warwick, Coventry, the United Kingdom

23rd - 26th of June 2011

Mohammad S. Alsouf

*SIC President*



*Prof. Ghazy Almakky*

*Saudi Arabian Cultural attaché  
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with sincere thanks and appreciation extended for  
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in the fifth Saudi International Conference (SIC2011)

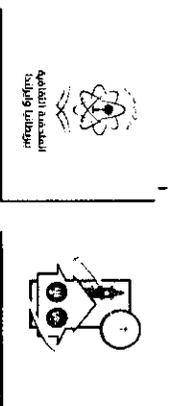
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المملكة العربية السعودية  
سفارة خادم الحرمين الشريفين  
الملحقية الثقافية السعودية  
أندية الطلبة السعوديين  
في المملكة المتحدة و أيرلندا

# كتاب ملخص الأوراق والملصقات العملية المقدمة في المؤتمر Proceeding Book

Abstracts of Conference Papers and Poster



Saudi Scientific International Conference  
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SIC 2012

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Investing in knowledge المعرفة في الاستثمار



**Abstract no. 342: Nurse and Pharmacist Prescribing in Diabetes Care— A Systematic Review of the Literature**

Mohammed Abutaleb, Douglas Steinke, Steve Williams, Mary Tully  
School of Pharmacy and Pharmaceutical Sciences, University of Manchester

**Introduction:** The development of non-medical prescribing (NMP) in the UK was part of the government's modernisation agenda for the health service (1). The agenda was designed to increase accessibility, choice and the quality of patient care by utilising the skills of different healthcare workers. At the time, there was a discernible shortage of doctors on the one hand, and an excess in the number, age and prevalence of co-morbidities amongst the population on the other (2). This abstract aims to present results of a thematic review of the current literature on nurse and pharmacist prescribing in the management of patients with diabetes mellitus.

**Method:** Relevant literature has been sourced electronically using different databases, including MEDLINE, EMBASE, CINAHL, The British Nursing Index and Archive and International Pharmaceutical Abstract. Database searches focused literature published between Jan 1990 and Dec 2011. The websites of specific journals, such as the Journal of Pharmacy Practice and Research, Australian Pharmacist, Pharmaceutical Journal, Nursing Times and Nurse Prescriber, have been used to find references cited in articles (mainly review articles). Furthermore, the websites of the UK Department of Health, the National Prescribing Centre and the Medicines and Healthcare Products Regulatory Agency have been used to find related grey reports. Specific keywords and MeSH terms used likened with certain Boolean operators.

**Results:** Publications related to the management of diabetes mellitus by NMP worldwide were 38 and 29 for nurse and pharmacists interventions, respectively. Different models of prescribing found used by non-medical prescribers: guideline or protocol dependent, supplementary, and independent prescribing. The latter is most prevalent among most European countries than in the US. Evidence shows that NMP is operating safely and prescribing is clinically appropriate. It also indicates that overall patients are satisfied with their experience of nurse and pharmacist prescribing.

**Outcomes** research showed NMP are non inferior to doctors in the management of hypertension and dyslipidaemia in diabetic patients.

**Conclusion:** Research focusing on glycaemic control as a primary clinical outcome in this area is still limited scarce.

**Abstract no. 541: Utility of a Medical Records Database for a Retrospective Comparative Effectiveness Research**

Mohammed Abutaleb  
Douglas Steinke, Mary Tully

Medical records system offers a good opportunity for retrospective CER. Salford's diabetes centre is one of the secondary care diabetic centres equipped with high tech diabetes specificity database. It has been used in research but no study looked to its quality control matters. This study aimed to observe how clinicians were using the database during their real life clinics. Researcher attended several clinics with different doctor's ranks as well as an independent nurse prescriber. Check list form was used. Results Although the database equipped with ICD system and other utilities that can lead to accurate data for secondary research, clinicians were using text method during their clinics. Laboratory results integrated with the hospital system, but some patients bring their results from the GP. Medicines information was available and good for research use. Secondary database in Salford's royal trust diabetes centre is a good example for CER.