

Developing Advanced Clinical Pharmacy Skills to provide Individualised, Integrated Care

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Background: The development of the concept of clinical pharmacy in the mid 1970's had a significant impact on the evolution of pharmacy practice and on pharmacy education [1]. The provision of direct patient services has been demonstrated to result in decreased drug-related problems and increased patient satisfaction. Evidence of economic benefits from clinical pharmacy services have also been demonstrated [2]. The developments in practice models and in pharmacotherapy due to innovative medicinal products available, point towards the increasing clinical involvement and interaction with patients and other healthcare professionals by pharmacists.

Aim: To explore pharmacists' perception of services requiring advanced clinical pharmacy practice, to characterize models of postgraduate programmes and to identify skills and activities required by pharmacists following programmes aimed at supporting development of advanced clinical pharmacy skills for the provision of individualised, integrated care.

Topics to be addressed: Review of examples of practice models and of areas of services where advanced clinical pharmacy practice are presented, present a description of learning models to develop clinical pharmacy services- overcoming barriers and challenges, describe the application of practice research to drive service development.

Learning outcomes:

Identify areas for improvement of practice where advanced clinical pharmacy skills are required.
Adopt reflection strategies to classify educational models.

Describe competences that support advanced clinical pharmacy practice.

Reading suggestions

1. Branzinha I, Fernadez-Llimos F. Barriers to the implementation of advanced clinical pharmacy services at Portuguese hospitals. *Int J Clin Pharm* 2014, 36: 1031-1038.
2. Phillips J, Strand L, Chesteen S, Morley P. Functional and structural prerequisites for clinical pharmacy services. *Am J Hosp Pharm* 1987, 44, 1598-1606.
3. Wirth F, Azzopardi LM, Serracino-Inglott A. Quality management system for clinical pharmacy services.: Quality assurance for pharmacist professional services. Germany: Scholars' Press 2013.
4. Zellmer WA. The future of health-system pharmacy: opportunities and challenges in practice model change. *Ann Pharmacother* 2012, 46, s41-45.

References

- [1] Francke GN. Evolution of clinical pharmacy. *Drug Intell Clin Pharm* **1969**, 3(12), 345-353.
- [2] Perez A, Doloresco F, Hoffman JM, Meek PD, Touchette D, Vermeulen LC, Schumock GT. Economic evaluations of clinical pharmacy services: 2001-2005. *Pharmacotherapy* **2008**, 28, 285e-323e.