An evaluation of the knowledge, opinions, expectations and concerns toward pharmacogenomics among Jordanian pharmacists

Rowan AlEjielat*, Zeyad Ejielat, Shireen Andrawes & Nizar M Mhaidat

*Author for correspondence: rowan.ejielat@hotmail.com

Abstract

Aim: To assess the knowledge of Jordanian pharmacists in pharmacogenomics, in addition to their attitudes, concerns, expectations and willingness to take further training. Methods: A survey was distributed face to face to pharmacists practicing in three Jordanian cities in different practice settings. Results: A total of (128) questionnaires were collected. The mean knowledge score for all participants was 2.63 ± 1.13 out of 5. The mean score for bachelor degree holders was 2.71 ± 1.06, Doctor of Pharmacy holders 2.75 ± 1.07 and graduate level education 2.63 ± 1.51. Perceptions of pharmacogenomics were positive. Concerns involved issues regarding privacy and insurance coverage. Conclusion: Attitudes of pharmacists in Jordan toward pharmacogenomics were highly positive, although their general knowledge was relatively low. An updated educational system is needed.