**Table 2 Characteristic of studies included in the review**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Lead  author | Year | Country | Sample description | Type of cancer | Duration of Study | Study design | Sample size | Conclusion |
| Ibrahim | 2013 | UAE | Community pharmacies | Breast | 24 weeks | Cross sectional survey | 335 | Community Pharmacists have low level of knowledge in breast cancer. Efforts should be made on providing pharmacists with high quality  Breast cancer continuous education. |
| Beshir | 2012 | Malaysia | Independent  community pharmacies | Breast | 20 weeks | Cross sectional survey | 35 | Community pharmacists have low breast cancer knowledge which can prevent actualisation of pharmacist role in breast cancer education. Therefore further work should focus on providing pharmacists with high quality breast cancer continuous education. |
| EL Hajj | 2011 | Qatar | Community pharmacies | Breast | 12 weeks | Descriptive cross sectional survey | 195 | Low breast cancer knowledge was recorded among community pharmacists. Further work should focus on providing pharmacists with breast cancer continuous education. |
| Ayoub | 2016 | Jordan | Commercial community pharmacies | Breast | 20 weeks | Descriptive cross sectional survey | 1113 | There is knowledge gap pertaining to breast cancer and screening guidelines. Pharmacist must improve their knowledge through  better undergraduate oncology education and intensive continuous education programmes |