CHAPTER 7

Summary and Conclusion
This study concludes that Tachycardia, Flushing, Ototoxicity, Neutropenia, Peripheral Neuropathy and Pruritis associated with Paclitaxel, Docetaxel, Cisplatin, Cyclophosphamide, Vincristine & Carboplatin respectively are significant signals.

The therapeutic class specific signal has been detected for tachycardia associated with paclitaxel, flushing associated with docetaxel, ototoxicity associated with cisplatin, neutropenia associated with cyclophosphamide, peripheral neuropathy associated with Vincristine and pruritis associated with carboplatin. Hence, it is recommended that treating physician should anticipate and counsel the patient adequately prior to starting of above therapy to minimize side effects. Further, treating physician should also prescribe prophylactic medications along with listed anticancer drugs for cancer treatment to minimize respective adverse effects.

After analysis with different biostatistics methods all these six ADR – Drug association are found significant signals but according to BCPNN methods two pairs of ADR- Drug associations – Peripheral neuropathy associated with Vincristine and Ototoxicity associated with Cisplatin are categorized in strong level of toxic signals so physicians, pharmacists, nursing staff, pharmaceutical stake holders and patients should be more aware about this significance of ADRs of peripheral neuropathy due to vincristine & ototoxicity due cisplatin.

The signal of flushing associated with docetaxel, signal of neutropenia associated with cyclophosphamide, signal of pruritis associated with carboplatin are categorized are found potent enough to cause significant signals as per applied all methods but as per BCPNN, these signals are categorized with middle level of toxic signals. The signal of tachycardia associated with paclitaxel is weak category of signal so they need further more large size of ADR data base analysis for confirming the strong category of toxic signal as per BCPN method.

Furthermore need qualitative analysis by medical practioners for these ADR – drug associated signals. The whole thesis could be fruitful to the people who want to perform actual signal detection in pharmacovigilance study.