

Medicinal plants –Quality control from field to pharmacy –An evidence based study**Mohammad Kamil**

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In the recent years with ever-growing commercialization in the field of medicinal plants and herbal medicines, there has been an instant demand for quality control studies of the plants used in this system. The challenges are innumerable and enormous, making the global plant market unsafe. This talk seeks to enlighten physicians, pharmacists, consumers and stakeholders in plant medicine on the need to establish quality parameters for collection, handling, processing and production of plant medicine as well; as employ such parameters in ensuring the safety of the global herbal market. The processes of good quality assurance and standardization of plant medicines and products will also be discussed. In the present study an attempt has been made to study the medicinal plants in general from Selection of Medicinal Plants ; Good Agricultural Practices (GAP); Good Cultivation Practices (GCP);

Good Field Collection Practices(GFCP); Technical Planning; population density; Geographical distribution; Topographical maps; collecting techniques & procedures; Source and Period of Collection; Identification; Storage; Chemical Standardisation ;Assay; Current Good Manufacturing Practices (C GMP); Pre clinical studies to Clinical Approach; Good Marketing Practice (GMP), with special reference to maintain Standardisation at each and every stage and subsequent production of quality raw botanical materials/products. Different stages, i.e. Quality control studies of raw plant materials, Controlled studies for Method of Processing, Quality Control Studies of the finished product, Standardization procedures at each stage from birth of the plants up to its clinical application & marketing have been described.

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