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PRINCETON COLLEGE OF PHARMACY

(Affiliated to JNTUH & Approved by AICTE, PCI, New Delhi)

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PRINCETON COLLEGE OF PHARMACY

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A REVIEW ON DIABETES AND ITS TREATMENT

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ABSTRACT

Diabetes mellitus is a metabolic disease due to an illness in insulin secretion, insulin movement or both. The situation itself introduces a want for patient's lifestyle adjustment to the disorder and some of ordinary healing and diagnostic restrictions. The most important indication of diabetes mellitus is a hyperglycemia in blood that's because of irrelevant pancreatic insulin secretion or low insulin-directed fostering of glucose with the aid of using goal cells. Different varieties of diabetes mellitus, kind 1, kind 2, gestational diabetes and different varieties of diabetes mellitus are in comparison in phrases of diagnostic criteria, etiology and genetics. Currently to be had pharmacotherapy for the remedy of diabetes mellitus consists of insulin and hypoglycemic agents. These capsules act with the aid of using growing the secretion of insulin shape pancreas or decreasing plasma glucose concentrations with the aid of using growing glucose uptake and lowering gluconeogenesis. Comobrid intellectual sicknesses can similarly negatively have an effect on the path of diabetes. They are specifically depression, tension problems, consuming problems and cognitive problems together with dementia. Various natural capsules had been additionally proved powerful because of their useful contents in remedy of diabetes.

HPLC METHOD DEVELOPMENT AND VALIDATION- A REVIEW

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ABSTRACT

The most common method for locating, separating, and measuring the medication is HPLC. To improve the approach, a number of chromatographic factors including sample pretreatment, mobile phase selection, column selection, and detector selection were examined. Goals of this piece include review the creation, improvement, and validation of the approach. Development of HPLC techniques entailson the molecular composition, synthesis process, solubility, polarity, pH, and pKa values, as well as Activities of functional groups, etc. Information is provided through HPLC technique validation using ICH Guidelines. Understanding qualities like Accuracy, Specificity, and Linearity Limit with respect to various stages and detection and quantification's upper limit.