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Lisinopril, an ACE inhibitor and its effect on insulin release**Ghulam Rasool Mashori**

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Hypertension is a persistent raise of resting systolic (≥ 140 mmHg) and diastolic (≥ 90 mmHg) BP. In normal individuals BP ranges from 120/80 mmHg to 140/90 mmHg. Coronary Heart Diseases (CHD) develops more in diabetic hypertensives than in non-diabetics. CHD is the main cause of deaths worldwide. Management of hypertension has decreased the occurrence of stroke, heart failure and renal failure, however events of CHD has not been decreased to that level. On the contrary many antihypertensive drugs have diabetogenic effects via suppression of insulin. The purpose of the study was to observe effects of Lisinopril on insulin release by using rat isolated pancreas. Diazoxide was used as positive control i.e., known insulin suppressant drug. Dose used was based on therapeutic peak plasma concentration. Lisinopril at peak plasma level (150 ng/ml) did not inhibit insulin secretions significantly. In conclusion, at peak plasma level Lisinopril did not show any negative effect on insulin release.

Biography

Ghulam Rasool Mashori is currently working as a Professor and Director in Peoples University of Medical & Health Sciences for Women, Pakistan. He has completed his PhD from the Faculty of Medicine, University Kebangsaan Malaysia in 1994. He holds number of experiences in the area of quality control and research at NIH, Islamabad, Pakistan and also worked as Deputy D.G. (Pharmacovigilance) in Drugs Control Organization, Ministry of Health. He has been the Director, Central Drugs Laboratory, Ministry of Health Government of Pakistan. He has been teaching/supervising MPhil and PhD fellows in Jinnah Postgraduate Medical Center, Karachi, Pakistan. He has been keenly involved in research work and is playing supervisory role at MPhil and PhD levels. He holds managerial and administrative experiences with very reputed organizations. He has also worked as the Director of National Institute of Management (NIPA). He has published more than 30 research papers in reputed journals and has been serving as an Editorial Board Member of reputed journals.

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