What are the roles of ace-inhibitors and angiotensin receptor blockers in adult diabetics with hypertension or chronic kidney diseases?

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Although ACE-Is or ARBs have an undoubtful clinical benefit in diabetic and non-diabetic heart failure, their role as first line drug therapies in type 2 diabetics with hypertension or chronic kidney diseases have been recently put into question despite their – mild – anti-proteinuric effects, both as anti-hypertensive or as renoprotective agents specially in type 2 diabetes mellitus subjects. Angiotensin II, the main octapeptide “defence” molecule and “effector” of the renin-angiotensin-aldosterone system (RAS) has a variety of homeostatic actions in states of health and disease like regulating the salt and potassium balance for blood pressure homeostasis, keeping up the glomerular filtration rate under normal values and modulating the sympathetic nervous system. All in conditions of hypovolemia or salt depletion in order to keep our systemic – blood pressure - renal hemodynamics, and salt balance in good shape. In our Talk, we intend to show the most recent randomised clinical trial and observational evidences about how to deal with these drugs in the various clinical scenarios of diabetics, with and without chronic kidney diseases in order to keep our homeostasis in the right direction.

Biography
Jose Mario F De Oliveira is an Associate Professor of Medicine in the Department of Medicine of Universidad Federal Fluminense, in the State of Rio de Janeiro, Brazil. He is also one of the Deputy Editors for Diabetes of The British Medical Journal. He has published a number of papers and served as a reviewer or author and co-author for many prestigious medical journals like “Hypertension”, “The American Journal of Hypertension”, “The Journal of the American Society of Nephrology”, “The British Medical Journal”, and the “New England Journal of Medicine”. His main interests are in the clinical research of diabetes and hypertension. He is a Certified Preventive Cardiologist, Nephrologist and Adult Intensive Care Unit Physician. Finally, he was a Post-Doctoral Clinical and Research Fellow at the Endocrinology-Hypertension-Diabetes Division of the Brigham & Women’s Hospital at Harvard Medical School, in Boston, USA and is one of the two authors of the recent electronic Diabetes e-book published and edited by The British Medical Journal for all doctors world-wide.

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