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Mass Spectrometry

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The role of mass spectrometry in improving the diagnosis and management of adrenal diseases

After addressing several new findings which result in optimization of steroid profile measurement, the talk will focus on how mass spectrometry improves both diagnosis and treatment of patients with adrenal diseases (24 million people in the USA). The less than optimal use of serial cortisol measurements following ACTH stimulation to diagnose and treat adrenal disorders will be addressed. Replacement of cortisol by 11-DOC is preferable and in a fairly high percentage of cases (15–30%) disagrees with the diagnosis obtained using cortisol.

Biography

Steven J Soldin obtained his PhD in Biochemistry at the University of the Witwatersrand in Johannesburg, SA. After a Post-doctoral year at the University of Toronto he enrolled in a Clinical Biochemistry program at that university, obtained his Diploma in Clinical Biochemistry and was boarded in this discipline in both Canada and the USA. He has been a tenured Professor at both the University of Toronto and the George Washington University School of Medicine and Health Sciences. He is currently a Senior Scientist in the Department of Laboratory Medicine at the National Institutes of Health, Bethesda, USA. He has published 275 papers in peer-reviewed journals and has many patents.

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