

# 29<sup>th</sup> World Cardiology Conference

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## Gary L Murray

*The Heart and Vascular Institute, USA*

### **The potential role of a unique, simple, quick, accurate, inexpensive, routine evaluation of Autonomic Nervous System (ANS) Sympathetic (S) and Parasympathetic (P) activity in Cardiovascular Diseases (CVD)**

Evaluation of the important role the ANS plays in the development, progression, treatment, and prognosis of CVD has not been routine in clinical practice. However, new studies using a unique, easily applied technology have demonstrated the importance of ANS measures in the management of patients with risk factors for CVD, hypertension, orthostatic hypotension, congestive heart failure, and coronary disease. This new, unique technique and results of many studies will be discussed in detail. It is suggested that ANS measurement should be routinely used in CVD clinics, improving outcomes and lowering costs.

#### **Recent Publications**

1. Murray G and Colombo J (2014) Ranolazine improves autonomic balance in heart failure when added to guideline-driven therapy. *Heart International* 9(2):59-65.
2. Murray G and Colombo R (2014) Ranolazine preserves and improves left ventricular ejection fraction and autonomic measures when added to guideline-driven therapy in congestive heart failure. *Heart International* 9(2):66-73.
3. Vinik A and Murray G (2008) Autonomic neuropathy is treatable. *US Endocrinology* 4(2):82-84.
4. DeQuattro V and Feng M (2002) The sympathetic nervous system: the muse of primary hypertension. *J of Human Hypertension* 16(1):S64-S69

#### **Biography**

Gary L Murray received a Phi Beta Kappa Bachelor's degree from Rhodes College, Memphis, TN, USA, receiving the Belk Bible Award for the most outstanding Bible student. After graduating from the Tulane University School of Medicine, New Orleans, LA, USA, his Postdoctoral training was at the University of Tennessee Center of Health Care Sciences, Memphis, TN, USA. He became Co-Director of the Cardiac Catheterization as well as Nuclear Cardiology laboratories at Baptist Hospital, Memphis, TN, USA. He then became Chief of Medicine, Nellis AFB, North Las Vegas, NV, USA. Since, he has been in private practice in Memphis, yet he has managed to publish several articles and co-created the Shad-Murray first pass RNA exercise test for coronary disease that was employed at many centers in the USA and Europe. He participated in clinical trials of the first elective coronary stent, as well as the first coronary atherectomy and laser devices. His ANS studies have been cited in the new textbook on clinical autonomic disorders by Colombo. He has spoken in several countries worldwide. He currently is Director of Research at the Heart and Vascular Institute, Germantown, TN, USA.

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