The past CVWG featured Marcus Cooper, M.D. Dr. Cooper spoke about LRP130, a transcription factor implicated in a rare genetic disorder. However, Dr. Cooper presented impressive data that LRP130 is required for the transcription of mitochondrial-encoded genes and the maintenance of normal mitochondrial function. Moreover, he found that LRP130 was important for energy metabolism and limiting reactive oxygen species production in mitochondria. Most impressive, however, were his data that LRP130 is depressed in fatty liver disease and that reduced LRP130 alone is enough to turn on the inflammatory response known to be important for insulin resistance. Dr. Cooper’s data provide an important new link between mitochondria and inflammation, and this link is likely to have important clinical implications and serve as a target for diabetes treatment.

Dr. Cynthia Ennis is a cardiologist and cardiac electrophysiologist whose interests include cardiac resynchronization therapy, device therapy, and cardiac resuscitation. Dr. Ennis’ current research interests include factors associated with ICD implantation and how electromagnetic interference relates to ICD function.

While primary prevention ICDs have been shown to reduce mortality in high risk populations, the percentage of candidates receiving...
Recent Abstracts/Publications:


Ennis CA; McGuiness,M; Vohora,R; Ennis,S; Rosenthal,L. Factors Associated with Implantable Cardioverter-Defibrillator Implantation. American Heart Association Scientific Sessions 2008; 81.

Ennis CA; McGuiness,M; Vohora,R; Ennis,S; Rosenthal,L. ICD underutilization in primary prevention patients. American Heart Association Scientific Sessions 2008


I will be collaborating with Dr. Thomas Wang from Massachusetts General Hospital on several projects, including investigating the relationship of NT-pro-BNP, plasma renin activity and aldosterone with coronary arterial and aortic calcification in patients from the Framingham Heart Study without clinically apparent cardiovascular disease. Additionally, we will be studying the effect of vitamin D supplementation on various metabolic risk factors in a young adult population with moderate to severe vitamin D deficiency.