

## **PUBLICATIONS:**

1. Hunt AC. Computational method to model flow through the mitral valve and left ventricular filling. *Computers in Cardiology* 2000; 27: 223-226.
2. Hunt AC, Tong S, Burrows M, James M. The use of echocardiographic colour kinetic wall motion to differentiate broad complex tachycardia. *Int Journal of Cardiac Imaging* 2001 Feb;17(1):19-28
3. Hunt AC. Model of Heart rate turbulence using Baroreflex mechanism. *Journal of Medical and Biological Engineering and Computing*, pending publicatio.
4. Hunt AC. T wave alternans in high arrhythmic risk patients: Analysis in the time and frequency domains: A pilot study. *BMC Cardiovasc Disord* 2002 Mar12;2(1):6
5. Hunt AC, Chow SL, Escaned J, Perry RA, Seth A , MF Shiu. Evaluation of a theoretical Doppler index to noninvasively estimate peak  $dP/dt$  using continuous wave Doppler ultrasound of ascending aortic flow in man. *Catheterization and Cardiovascular Diagnosis* 23:219-222,1991.
6. Hunt AC, Chow SL, Shiu MF, Chilton DC, Cummins B, Cummins P. Release of creatine kinase-MB and cardiac specific troponin-I following percutaneous transluminal coronary angioplasty. *European Heart Journal* 12:690-694,1991.
7. Hunt AC, Chow SC, Escaned J, Perry RA, Seth A, Shiu MF. Changes in Doppler indices of cardiac function during and following percutaneous transluminal coronary angioplasty. *British Heart Journal* 66:346-350,1991.
8. Perry RA, Singh A, Seth A, Hunt AC, Shiu MF. Sustained improvement in left ventricular function after successful coronary angioplasty. *British Heart Journal* 63:277-280,1990.
9. Perry RA, Seth A, Hunt AC, Shiu MF. Balloon occlusion during coronary angioplasty as a model of myocardial ischaemia: reproducibility of sequential occlusions. *European Heart Journal* 10(9):791-800,1989.
10. Perry RA, Seth A, Hunt AC, Shiu MF. Coronary angioplasty in unstable angina: success and complication rates compared to stable angina. *British Heart Journal* 12:110-115,1988.
11. Wankling PF, Perry RA, Seth A, Hunt AC, Shiu MF. An objective computer system for the quantification of artery stenosis. *Computers in Cardiology* 15:90-95,1988.
12. Hunt AC, Perry RA, Seth A, Shiu MF. Non-invasive determination of  $dP/dt$  max by continuous wave Doppler echocardiography. *Ninth International Conference of Cardiovascular Systems Dynamics Society* NOV:16-18,1988.

13. Hunt AC. Fractal structure of Alternate T-Waves by Wavelet Analysis. *Computers in Cardiology* 2000;27:415-419.

14. Hunt AC. Atrial systolic function in Heart Failure. *Computers in Cardiology* 2000;27:575-578.

15. Hunt AC. Accuracy of popular automatic QT interval algorithms assessed by a 'Gold Standard' and comparison with a Novel method: computer simulation study. *BMC Cardiovascular Disorders* 2005;5:29-51.

**PUBLICATIONS IN TEXTBOOKS:** Publication in book "Electrocardiology 2000" Casa Editrice Scientifica Internazionale ISBN: 88-86062-64-8. Contain two abstracts by Hunt AC. (1). Model of Heart rate turbulence using Baroreflex mechanism and (2). T wave alternans in post infarction arrhythmia risk assessment.

**PUBLISHED ABSTRACTS:**

1. Hunt AC, Burrows M, James M. T wave alternans in post infarction risk stratification. Publication in XXV11 International Congress on Electrocardiology.

2. Hunt AC, Burrows M, James M. Model of heart rate turbulence using baroreceptor mechanism. Publication in XXV11 International Congress on Electrocardiology.

3. Hunt AC. Effects of losartan versus lisinopril on systolic, diastolic and cardiopulmonary function in heart failure. 7th World Congress on Heart Failure. Vancouver 2000.

4. Hunt AC, Perry RA, Seth A, Shiu MF. Relative risk assessment of single and multi-vessel PTCA in single and multivessel disease. British Cardiac Society, April 1989.

5. Hunt AC, Perry RA, Seth A, Shiu MF. Non-invasive determination of dp/dt max by continuous wave ultrasound. American College of Cardiology, March 1989.

6. Seth A, Perry RA, Hunt AC, Shiu MF. Coronary Haemodynamics and myocardial metabolism following intra-coronary diltiazem; a dose response study. British Cardiac Society, April 1989.

7. Hunt AC, Perry RA, Seth A, Shiu MF. Non-invasive determination of dp/dt max by continuous wave ultrasound. British Cardiac Society, April 1988.

8. Seth A, Perry RA, Hunt AC, Shiu MF. Angioplasty of total coronary occlusions: Improved success rates with the use of wire splinting. British Cardiac Society April 1988.

9. Perry RA, Wankling P, Seth A, Hunt AC, Shiu MF. Assessment of regional wall motion abnormalities during coronary angioplasty using an algorithm of coronary artery

shortening, correlations with changes in regional blood flow and myocardial metabolism. British Cardiac Society 1988.

10. Perry RA, Wankling P, Seth A, Hunt AC, Shiu MF. An algorithm of coronary shortening applied to the assessment of regional wall motion abnormalities during coronary angioplasty. XVth IEEE Congress of Computers in Cardiology, Washington, 1988.

11. Hunt AC. Fractal structure of Alternate T-Waves by Wavelet Analysis. Computers in Cardiology 2000, Cambridge, Massachusetts.

12. Hunt AC. Atrial systolic function in Heart Failure. Computers in Cardiology 2000, Cambridge Massachusetts.

### **PRESENTATIONS AT INTERNATIONAL MEETINGS AND LEARNED SOCIETIES:**

1. Hunt AC. Relative risk assessment of single and multi-vessel angioplasty in single and multi-vessel disease. British Cardiac Society, April 1989.

2. Hunt AC. Non-invasive determination of dp/dt max by Doppler echocardiography. Ninth International Conference of Cardiovascular Systems Dynamics Society. Halifax, Nova Scotia 1988.

3. Hunt AC. T wave alternans in post infarction risk stratification. XXV11 International Congress on Electrocardiology. Milan 2000.

4. Hunt AC. Model of heart rate turbulence using baroreceptor mechanism. XXV11 International Congress on Electrocardiology. Milan 2000.

5. Hunt AC. Effects of losartan versus lisinopril on systolic, diastolic and cardiopulmonary function in heart failure. 7th World Congress on Heart Failure. Vancouver 2000.

6. Hunt AC. Fractal structure of Alternate T-Waves by Wavelet Analysis. Computers in Cardiology 2000, Cambridge, Massachusetts.

7. Hunt AC. Atrial systolic function in Heart Failure. Computers in Cardiology 2000, Cambridge, Massachusetts.

8. Hunt AC. Computational method to model flow through the mitral valve and early diastolic filling of the left ventricle. Computers in Cardiology, Cambridge, Massachusetts.

**EDITORIALS:**

Hunt AC. Coronary Angioplasty versus Coronary Artery Bypass Surgery. *Controversies in Cardiology*, vol 2,5-8,1990.