

## *SUDDEN CARDIAC DEATH (SCD) FACTS*

- ♥ SCD is a leading cause of death in Canada, claiming 45 000 lives a year – more than lung, colorectal, breast and prostate cancers combined <sup>1,2</sup>
  
- ♥ Only 5% of SCD victims survive an out of hospital cardiac arrest<sup>3</sup> – defibrillation within 6 minutes is critical with each additional minute of delay reducing the change of survival by 7-10%<sup>4</sup>
  
- ♥ Randomized clinical trials have not shown that antiarrhythmic drug therapy can effectively reduce mortality in heart failure patients<sup>5,6</sup>
  
- ♥ With an ICD, over 95% of SCD victims survive<sup>7</sup>

1. Davis DR, Tang ASL. CMAJ. 2004;171(9):1037-1038
2. Heart and Stroke Foundation Statistics
3. Myderberg R, Catellanos A. Cardiac Arrest and Sudden Cardiac Death. I: Braunwald E, ed. Heart Disease: A Textbook of Cardiovascular Medicine. 5<sup>th</sup> Ed. New York:WB Saunders. 1997:742-779
4. Cummins RO. From concept to standard-of-care? Review of the clinical experience with automated external defibrillators. *Ann Emerg Med.* December 1989;18(12):1269-1275.
5. Moss AJ, Zareba W, Hall WJ, et al; Multicenter Automatic Defibrillator Implantation Trial II Investigators. Prophylactic implantation of a defibrillator in patients with myocardial infarction and reduced ejection fraction. *N Engl J Med.* March 21, 2002;346(12):877-883.
6. Bardy GH, Lee KL, Mark DB, et al; Sudden Cardiac Death in Heart Failure Trial (SCD-HeFT) Investigators. Amiodarone or an implantable cardioverter-defibrillator for congestive heart failure. *N Engl J Med.* January 20, 2005;352(3):225-237.
7. Simpson, Christopher S. Implantable cardioverter defibrillators work – so why aren't we using them? In: CMAJ; July 3, 2007:177(1)