TITLE: Implantable Cardiac Defibrillators - role in preventing Sudden Cardiac Death

ABSTRACT:
With 325,000 deaths every year, sudden cardiac death (SCD) is one of the most significant diseases of our time. Many trials have been conducted to risk stratify patients for SCD and to evaluate the efficacy of implantable cardiac defibrillators (ICDs) vs. antiarrhythmic drugs treating SCD. Some of the most important trials have showed that heart ejection fraction (EF) and patient's medical history are predictors of SCD, and all the trials showed that the use of ICDs is better than the drugs. We will review these trials as well as the features on the ICD that make it a life-saving device.

BIOGRAPHY:
Dunja Domazet has received her BS and MS in biomedical engineering degrees from Washington University in St. Louis. Her research in graduate school concentrated primarily on mechanical engineering.
However, upon graduation, she shifted her focus towards understanding electrophysiological behavior of the heart as she was hired by St. Jude Medical, a cardiac rhythm management company. Her first job role was in technical support for field personnel in Detroit area. She was then promoted to a Field Clinical Engineer and now focuses on device clinical research at many cardiac centers in Michigan. She is also the technical expert in cardiac rhythm management devices in her area.

DATE • TIME • LOCATION:
Tuesday, February 26, 4:00 pm
Ag Eng Bldg 105 • Refreshments