



Egyptian Society of
CARDIOLOGY



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45TH
45th Annual International Congress of the
EGYPTIAN SOCIETY OF CARDIOLOGY
CardioEgypt 2018

Subpectoral cardiac device implantation

When and how?






Hisham Saif M.D.
Zagazig University




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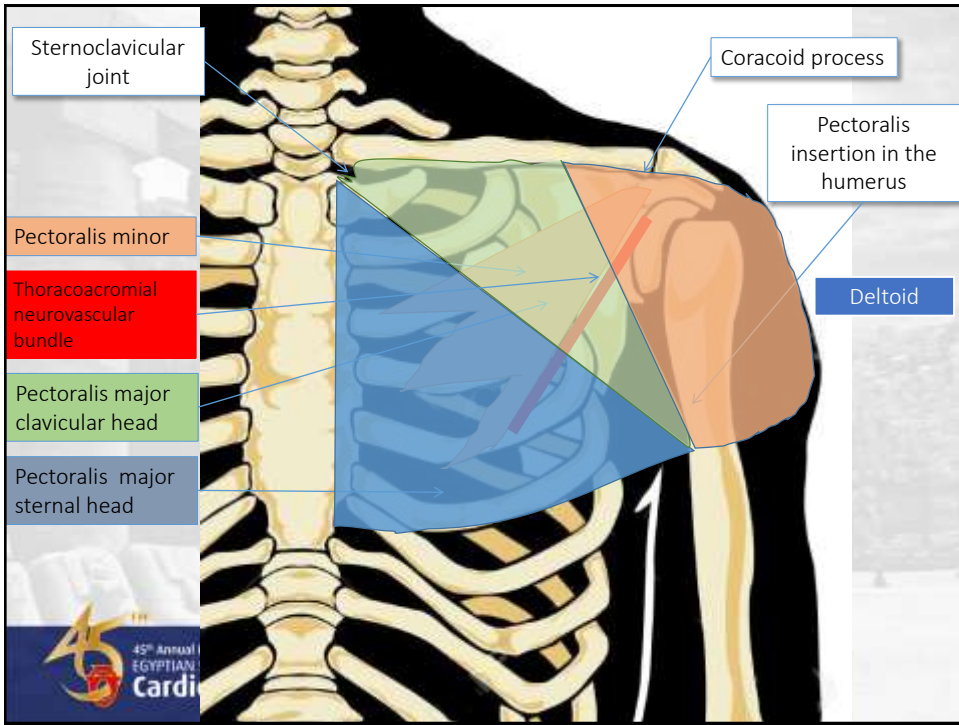
EVOLUTION OF PACEMAKER TECHNOLOGY

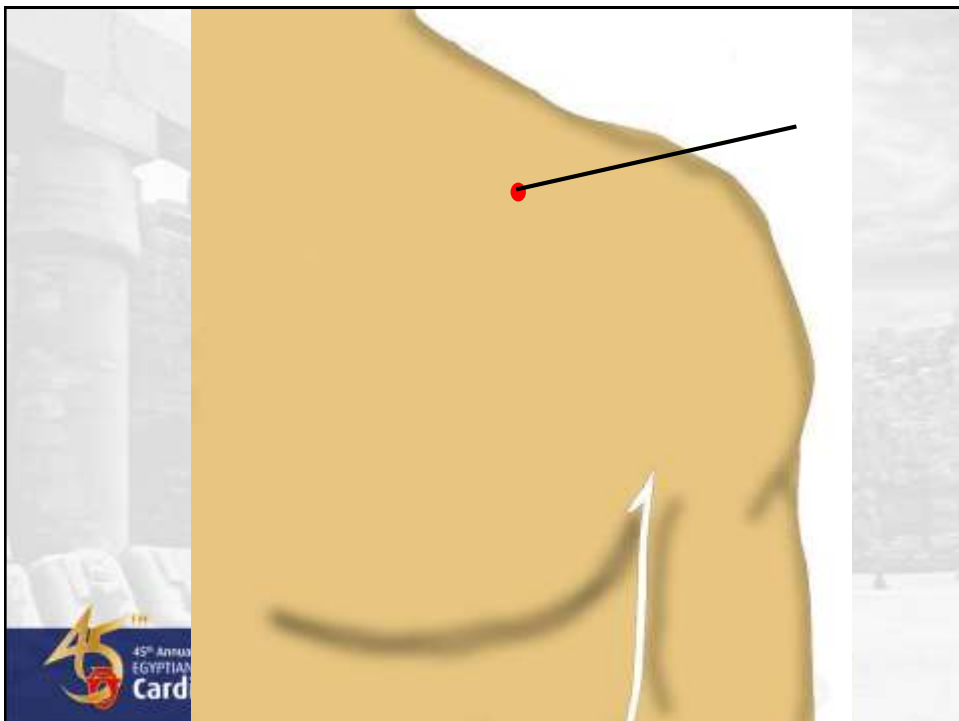
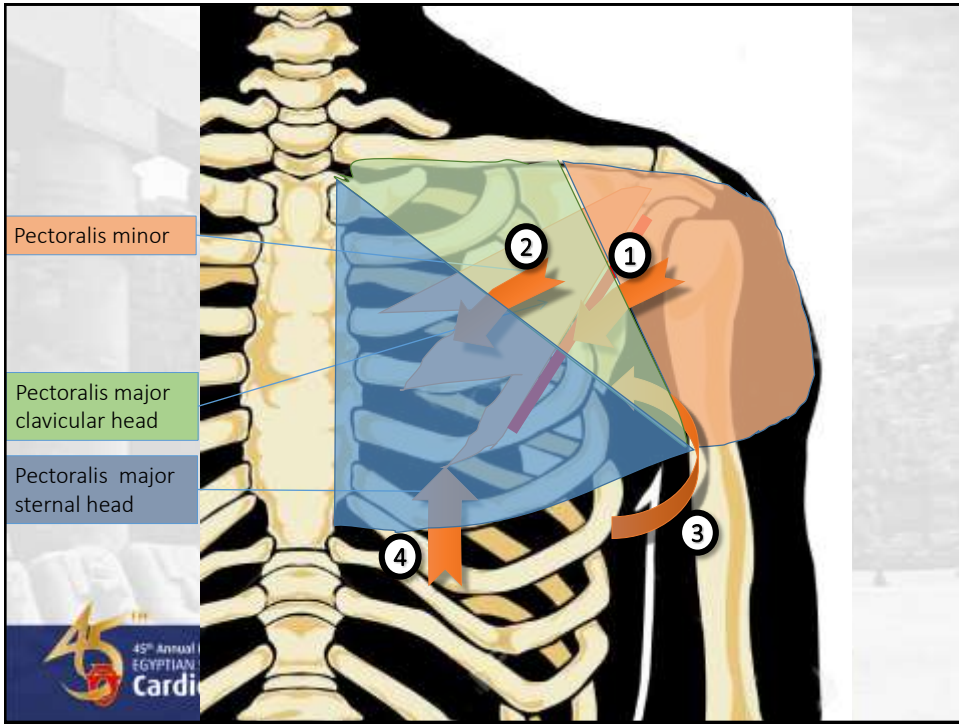
				
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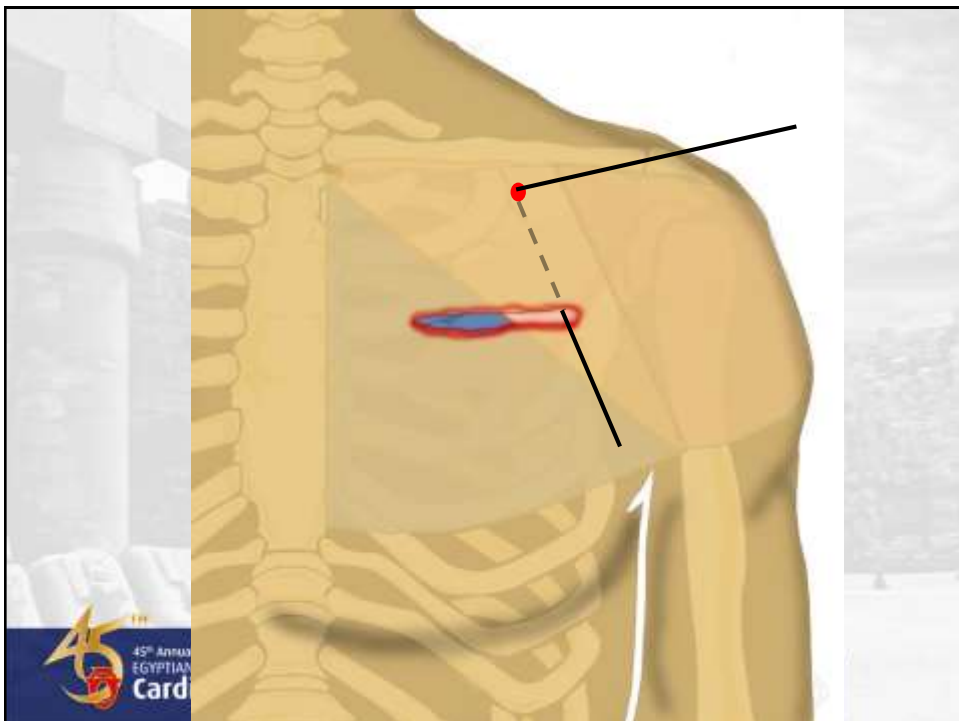
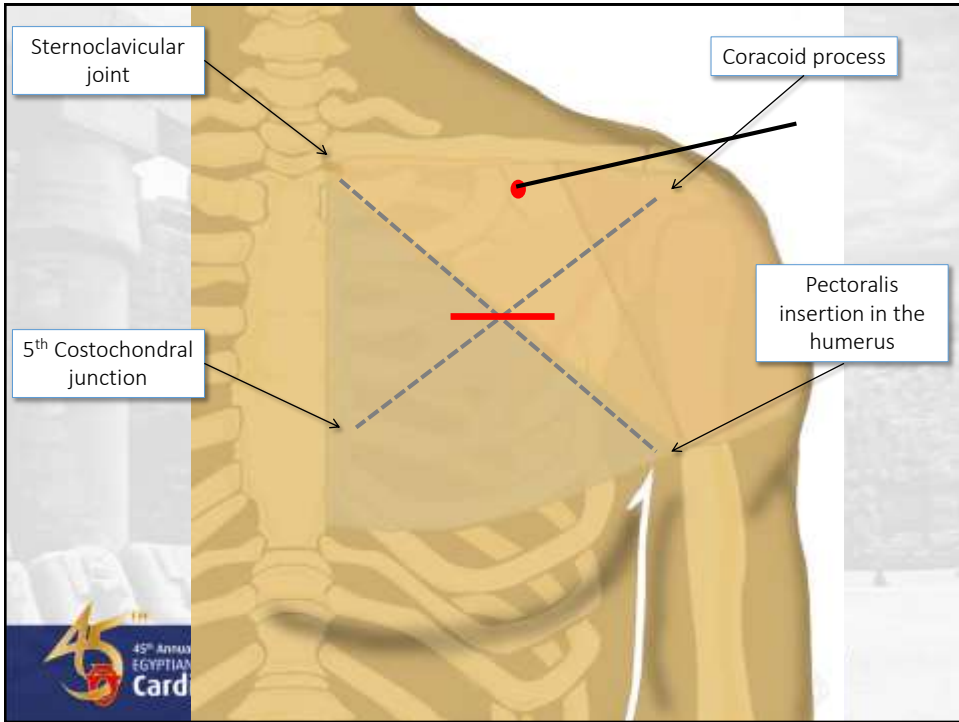


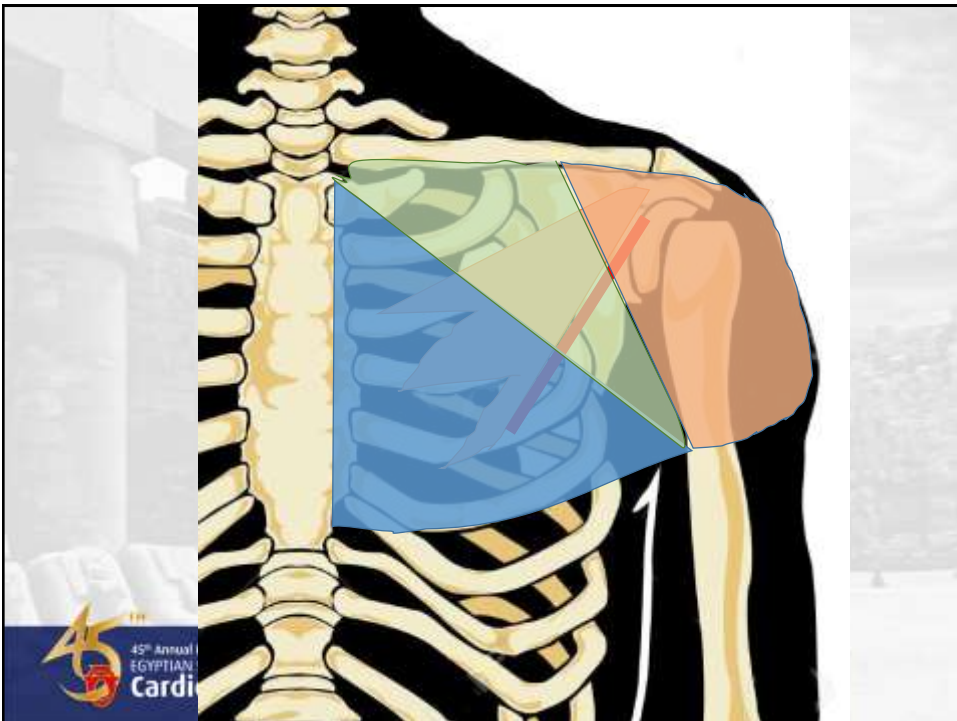
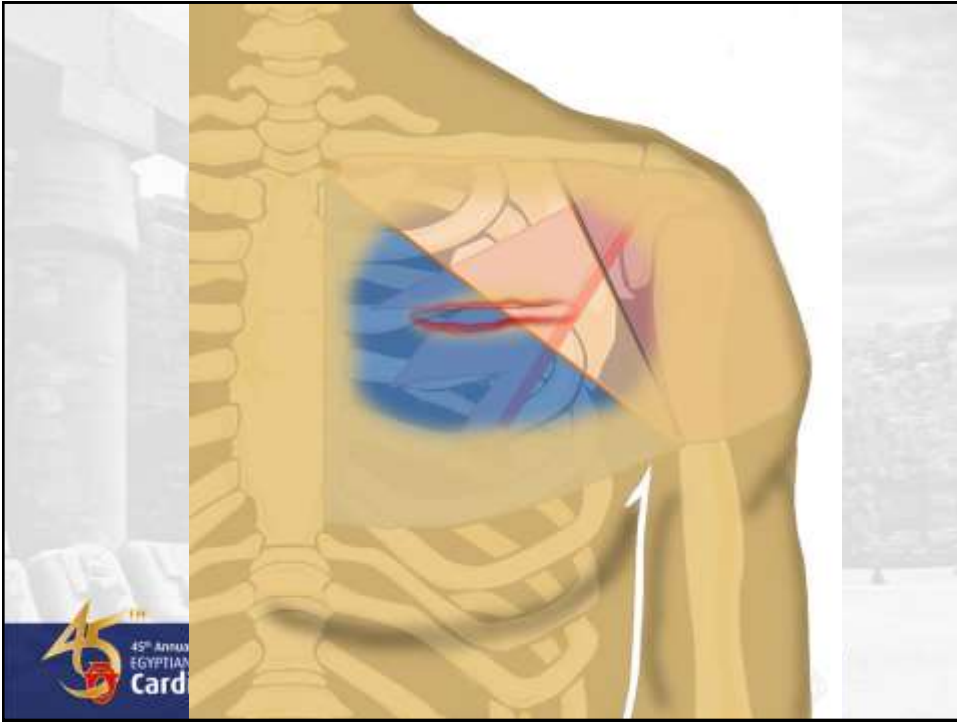
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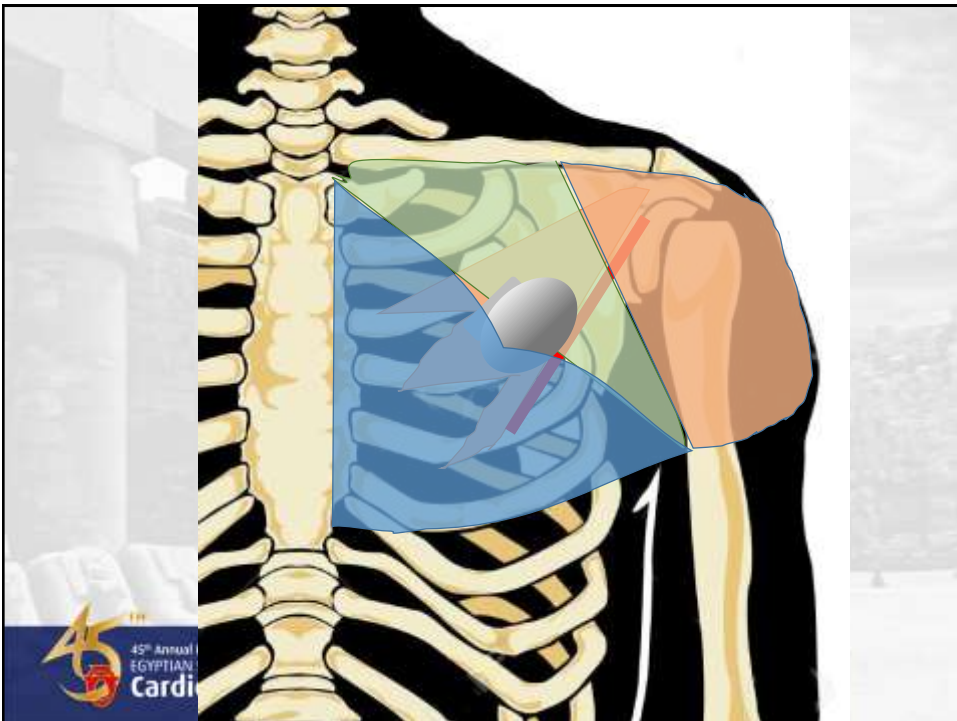
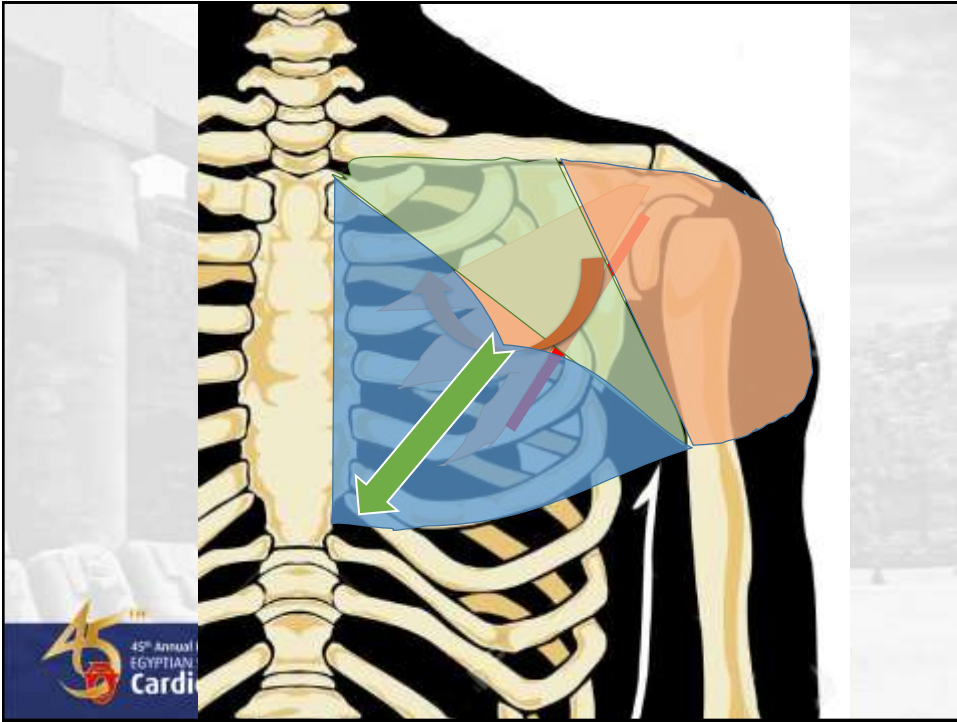
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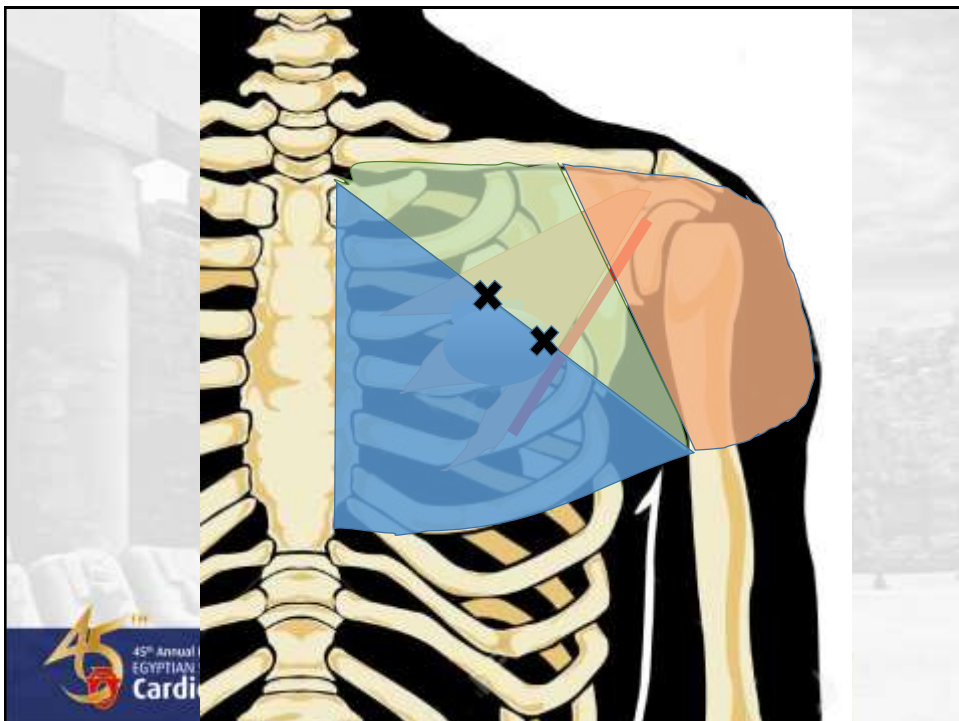
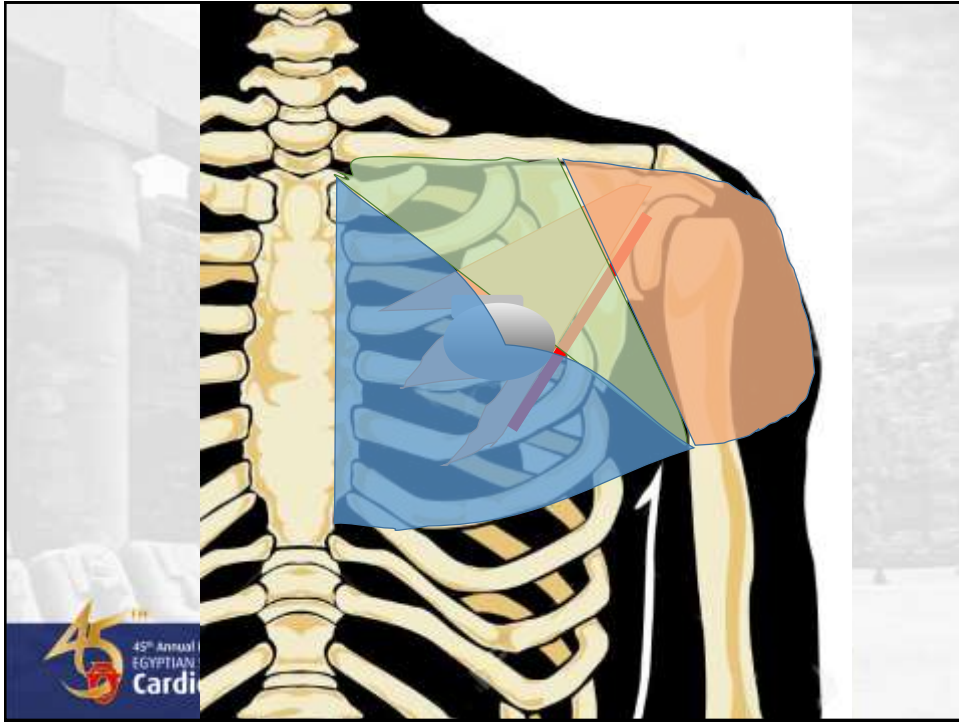














The Subpectoral Pacemaker Implant: It Isn't What It Seems!

PETER M. KISTLER, NORMAN EIZENBERG,* SIMON P. FYNN, and HARRY G. MOND

From the Department of Cardiology, The Royal Melbourne Hospital, Victoria, and the *Department of Anatomy and Cell Biology, The University of Melbourne, Victoria, Australia

KISTLER, PM, ET AL.: The Subpectoral Pacemaker Implant: It Isn't What It Seems! *The traditional pulse generator implantation site lies subcutaneous on the fascia of the pectoralis major muscle. This article describes a subpectoral pocket approach, which an anatomic investigation is actually "intrapectoral" and offers a much improved cosmetic result with the potential advantage of less erosion. In the authors' experience with over 1,000 initial pacemaker implants and pulse generator replacements, the potential concerns of neurovascular and muscular damage have not been realized. There has been no pulse generator damage from the ribs, serious loculated hematomas, or unusual postoperative or chronic pain. From experience with pulse generator recalls, the replacement procedure has not been significantly more difficult than with the subcutaneous approach. The intrapectoral approach has now become the authors' routine in patients without significant adipose tissue overlying the pectoralis major muscle. (PACE 2004; 27:361-364)*



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Sub-pectoral device implantation

- Erosion is completely avoided.
- Better cosmetic appearance.
- Reduced incidence of device related pain.
- reports on reduced defibrillation threshold in ICDs.
- The procedure of pocket creation is faster with less bleeding.

