

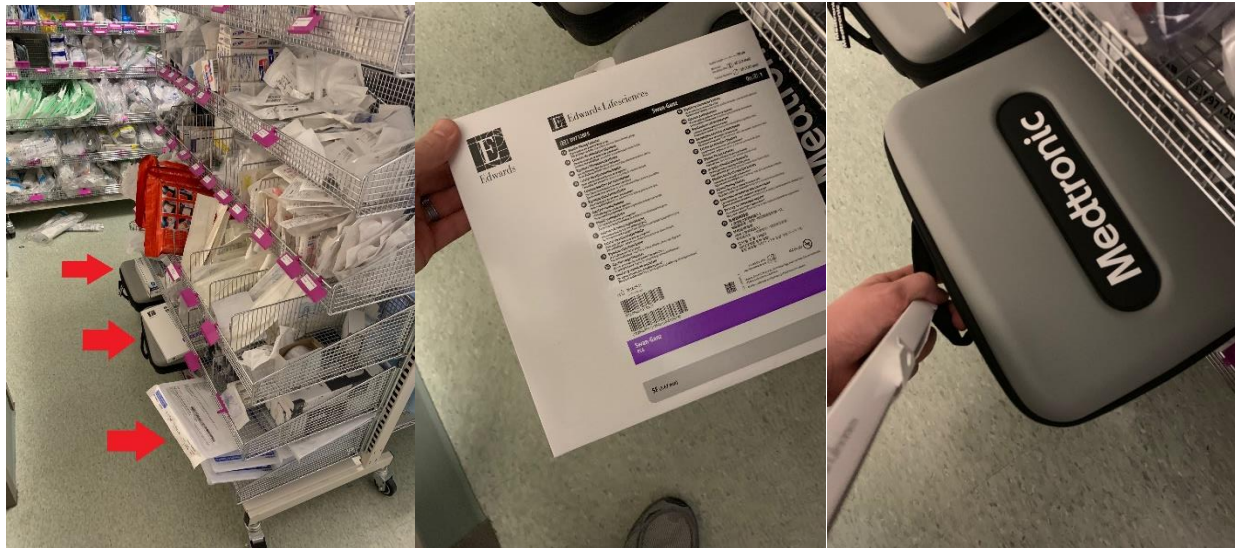
# 2019 Transvenous Pacer Tutorial

*Medtronic 5392 Temporary Transcutaneous Pacemaker*

## Supplies

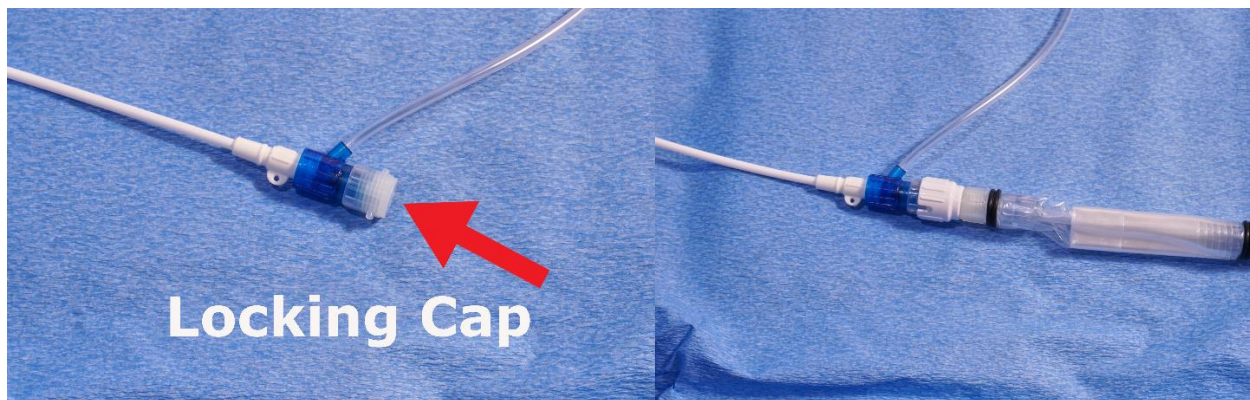
[\(Video Link, where to find the TVP\)](#)

- 1) Edwards 6F Intro-Flex Percutaneous Sheath Introducer Kit
- 2) Edwards Bipolar Pacing Catheter
- 4) Medtronic 5392 Pulse Generator (Pacer Box)



## Sheath Placement

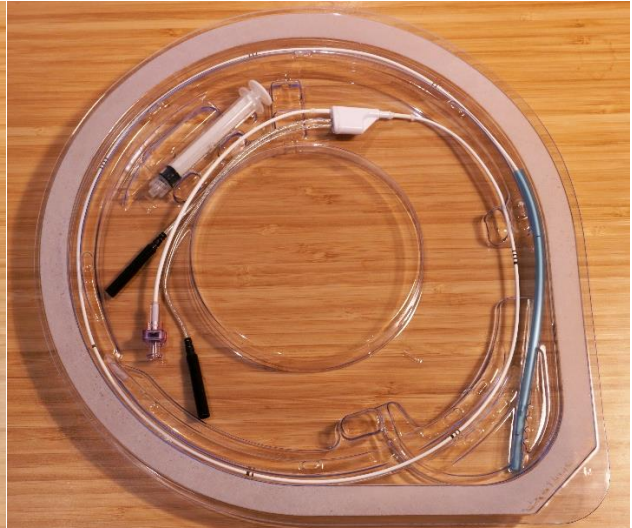
Place the 6Fr sheath as you would a Cordis central line. Once placed, attach the contamination shield to the locking cap of the sheath. When tightened, the locking cap will prevent the pacing catheter from moving.





## Pacer Placement

Slide the pacing catheter through the contamination shield and into the sheath. If you meet resistance, you may need to loosen the locking cap. Advance your catheter to 15cm and inflate your balloon and lock it. The black marks on the catheter denote length. Connect your catheter to the pacemaker's "V" port and set to a rate of 80, with a ventricular current of 20mA. Slowly advance the catheter until you identify capture on the monitor. Deflate the balloon and lock it. Ultrasound should identify your catheter in the right ventricle. Once the pacer is correctly situated tighten the locking cap to prevent movement of the catheter. Fully extend the contamination shield.



## Pacer Controls

([Link to video, how to setup pacemaker](#))

Press and hold the power button. The pacer will turn on in DDD mode. Using the bottom screen, switch to VVI pacing. Your initial settings should have a heart rate of 80 and a ventricular pacing current of 20mA. Once capture is obtained, reduce your current until you lose capture, then increase to 2.5x the minimal current. A green indicator light will flash for every delivered beat. The blue indicator light will flash when an intrinsic beat is sensed.

Batteries can be replaced by pressing the latch release button on the bottom left of the device. If the battery indicator is flashing, the batteries should be replaced.

