

1/29/19 Slide Notes

Slide 8

<https://intensivecarehotline.com/bedside-monitors-2/>
<https://www.shutterstock.com/video/clip-20286253-stock-footage-monitoring-of-patient-s-condition-vital-signs-on-icu-monitor-in-hospital-medical-icu-monitor-with.html>

Slide 9

<https://www.sjm.com/en/professionals/featured-products/electrophysiology/recording-and-monitoring/implantable-cardiac-monitor/confirm-rx-insertable-cardiac-monitor>
Abbott Confirm Rx implanted subcutaneously.

Slide 10

<http://www.a1cardiology.com/48-ecg-electrodes>

Slide 11

<https://www.alivecor.com/how-it-works/>
<http://www.theheartcheck.com/physician.html>
<https://www.getqardio.com/qardiocore-wearable-ecg-ekg-monitor-iphone/>

Slide 12

<https://www.apple.com/apple-watch-series-4/health/>

Slide 16

<http://www.mykentuckyheart.com/medical-information/cardiac-procedures-and-tests/pacemakers.html>
Leadless pacemakers
<http://www.medtronic.com/us-en/patients/treatments-therapies/pacemakers/our/micra.html>
<https://my.clevelandclinic.org/health/treatments/17166-leadless-pacemaker>
<https://www.dukehealth.org/blog/leadless-pacemakers-size-of-vitamin-showing-promise>
Medtronic Micra (left), Abbott Nanostim (right)

Slide 17

ICD and S-ICD.
<http://milduracardiology.com.au/our-services/automatic-implantable-cardioverter/>
<https://www.mayoclinic.org/medical-professionals/clinical-updates/cardiovascular/new-subcutaneous-implantable-cardioverter-defibrillator-offers-less-invasive-alternative>
<https://www.mayoclinic.org/diseases-conditions/ventricular-tachycardia/multimedia/img-20303862>
<http://www.bostonscientific.com/en-IN/products/defibrillators/s-icd.html>

Slide 18

<http://www.walkaide.com/news/Pages/OnlinePhotoLibrary.aspx>

Slide 20

<http://www.angiodynamics.com/products/nanoknife>

Slide 21

Zauber S, Smith P, Metman L (2015). Fundamentals of deep brain stimulation programming. In: W. Marks, Jr (Ed.), Deep Brain Stimulation Management (pp. 64-76). Cambridge: Cambridge University Press. doi:10.1017/CBO9781316026625.007
<https://www.medtronic.com/us-en/healthcare-professionals/products/neurological/deep-brain-stimulation-systems.html>

Slide 22

<https://www.asme.org/engineering-topics/articles/bioengineering/true-progress-in-false-hearts>
<http://markets.businessinsider.com/news/stocks/international-implant-of-the-carmat-heart-1005346689>
The result of combining two types of unique expertise: the medical expertise of Professor Carpentier, known throughout the world for inventing Carpentier-Edwards® heart valves, which are the most used in the world, and the technological expertise of Airbus Group (Matra Défense), world aerospace leader.