

Notes on the Infusion Pump Documents

These are various files that help define the requirements for an infusion pump.

Infusion Pump Description

Provides a description of an infusion pump that can be used as a kind of informal requirements specification for completing the project assignments in this class..

Infusion Pump Manuals

Infusion pump instruction manual: A user manual for an infusion pump (125 pages).

Infusion pump instruction manual extracted: A subset of the previous manual (18 pages).

Patient guide: A description for a different pump (5 pages).

Pump Failures

JCAO Environment of Care News: Starting on page 6 is a description of a “failure mode and effects analysis” (FMEA) for infusion pumps. It provides a taxonomy of the various kinds of failures that have been documented for these devices. While it concludes that most errors with the pumps are not attributable to faulty pumps, but rather their use, it raises the issue of whether faulty usage of the pumps could have been prevented through pump design. One interesting fact mentioned in the article is that infusion pumps have the largest number of reported device-related errors at the UCSF Medical Center.

Misprogram a PCA pump? It's easy!: A description of a horror story associated with infusion pumps.

Defibrillator: Describes problems with a different kind of medical device.

FDA Recall: Describes a New York Times article related to the recall of an infusion pumps.