

Alex Gianos

BME seminar Talk 1 Abstract

2/25/13

Artificial Hearts

This presentation that I will be giving will cover the topic of artificial hearts constructed by biomedical engineers. The idea of making an artificial heart has stumped many people in the past and is a relatively new topic and a new direction for the future. My presentation starts with explaining how a regular human heart works and what role it plays in the human body. Then I will about the differences between a real heart and a artificial one, while giving the process of thinking these brilliant scientists who created the first artificial hearts, were striving for and the goals they hoped to accomplish. I will then go into the history of the artificial heart. First I will talk about the design; flaws and accomplishments of the first artificial heart made and then talk about the newer and newer models that have surfaced until present day today. When talking about the history I will also go into some of the important scientists and engineers that were involved in making a revolutionary new heart that has the prospects to someday be permanent with a better performance than the original heart. Finally I will talk about where the artificial heart is heading in the future and what scientists are trying to do now to modify and improve these artificial hearts. Lastly I will conclude my presentation and talk with questions and statements from the audience.