

**Email Message:**

**Dear All,**

***This week our group met to discuss design criteria that can be used to weigh our different design ideas. As Brian told you last week, each member of our group came up with a few different criteria and we also came up with a few more during our meeting. Currently, we have around 14 different criteria which can be seen in the attached PDF of our E notebook. This is by no means a perfect list or our final list. We won't be using all of these criteria and there are definitely some that we haven't considered yet, but it is a good place to start. Also, we briefly talked about some alternative design ideas, but did not come up with anything substantial. We have two concrete ideas now and are aiming to come up with at least a few more, so we have many alternatives to choose from.***

**Sincerely,**

**Kyle Sachdev, Brian Dallesasse, and Taylor Hughes**

Project created on 06.09.2016 02:03.

# Report for project Senior Design

---

Task created on 10.11.2016 23:58.

---

## Design Meeting 2

*No due date*

*No description*

Task tags: *No tags*

### \* Ideas for Analysis to Compare Different Designs

Created by Kyle Sachdev on 11.11.2016 00:01.

- ability to sterilize
- weight
- cost
- ability to anchor
- power needs
- code simplicity
- reliability (able to work for around a month)
- diameter (need incisions in scar tissue?)
- compatibility for both genders
- automated control
- hospital stay
- uniform expanding
- shape (trachea is narrowest at the top then gets wider)
- biocompatibility
- cyclic behavior

### Comments for result Ideas for Analysis to Compare Different Designs

*No comments*