

Email Message:

Dear all,

This week our group focused on refining our design specifications and narrowing our project scope to something more achievable. From our initial list of 14-15 specifications, we decided on the following:

- 1. Adequate shape (see report for details)***
- 2. Portability***
- 3. Cost***
- 4. Reliability***
- 5. Adaptability to cyclic behavior***
- 6. Ease of installation/adjustment***
- 7. Ability to function in tracheotomy patients***

Additionally, we will only consider biocompatible device designs that are made of materials that will not compromise the integrity of biological tissue. Next steps include: brainstorming of more ideas, investigation of potential microcontrollers, and a thorough cost assessment of potential designs.

Sincerely,

Taylor Hughes, Kyle Sachdev, Brian Dallesasse

Project created on 06.09.2016 02:03.

Report for project Senior Design

Task created on 16.11.2016 19:29.

Design Meeting 3

No due date

11/16/16. All team members present.

Task tags: *No tags*

* Finalizing Design Specs Created by Brian on 16.11.2016 19:46.

1. Shape (fit mold of trachea, no slippage, no damage to vocal cords, accommodation of widening of Trachea, anchorage)
2. Portability/Mobility
3. Cost
4. Reliability (Power Source will be active for a few weeks-month, overall durability-stay in tact, pressure strength)
5. Adaptability to Cyclic Behavior
6. General Installation and adjustability for physician
7. Consideration of our device in proximity to Trache

Assumption that any device design will be biocompatible

Group still needs to brainstorm more design ideas, research on cost for each

 Comments for result Finalizing Design Specs

No comments

 Samples of task Design Meeting 3

No samples