DURING the presentation, each student is to write down ATLEAST 2 questions that they would like to ask each presenting group. These will be distributed to teams

Team Name: WombOx

Question 1:
If your device is the only one on the market w/ no competing devices why is the market share so small at 10%?

Question 2:
Why can't surgeons use the Nellcore through the small incision made during surgery?

Team Name: Joey 101

Question 1: You've mentioned many problems w/ RMC, but what is the number 1 design challenge your group is specifically approaching?

Question 2: How do you plan to balance having all of these function (using electronics) and keeping the cost under $10?

Team Name: Atriumph

Question 1: You talk about safety from a biocompatibility viewpoint, but what about the safety of using electronics in/with a patient?

Question 2: What is the minimum size of clot you seek to detect?

Team Name: Tube much

Question 1: What are the major aspects of the design that are problematic/that you are trying to fix?

Question 2: ~~[illegible]~~ Is the collapsed/opened device going to have open ends or will the inside of the tube be sealed off?

Team Name: _____

Question 1:

Question 2:

DURING the presentation, each student is to write down ATLEAST 2 questions that they would like to ask each presenting group. These will be distributed to teams

Team Name: WomboX

Question 1: How would you ensure that the accuracy of fetoscope w/ pulse oximeter will not be compromised once it enters the womb?

Question 2:

Team Name: Joey 101

Question 1: considering that you are in a low-resource setting, what kinds of resources do you think you'll have access to, and ~~what~~ how will these constrain the project?

Question 2: w/ all these device measurables, how will you justify that your device is better/more cost-effective than

Team Name: Tube Much

Question 1: How will your device be a cloth/velcro better/improved from the current endotracheal tubes?

Question 2: Part of the problem is easing process of intubation. How would your device be able to accomodate finding

Team Name: Howmasters

Question 1: trachea vs. esophagus?

~~Why~~ why did you divide the opportunity into device & disposables?

Question 2: would you want to consider using the disposables that hospitals already use? (not having to invest in device specific disposables ← extra cost?)

Team Name:

Question 1:

Question 2:

DURING the presentation, each student is to write down ATLEAST 2 questions that they would like to ask each presenting group. These will be distributed to teams

Team Name: Womb ox

Question 1:

Why has this not been addressed yet? Is it just because fetal surgery is so new?

Question 2:

Have you considered altering the surgical procedure to suit the device (like adding a second port to free up space in the original trocar).

Team Name: Joey 101

Question 1: What is the difference b/t KMC and just wrapping the baby in a blanket?

Question 2: Can you quantify low cost?

Team Name: Atriumph

Question 1: Possible sensing modalities?

Question 2: Minimum clot size for detection

Team Name: Tube Much

Question 1: Why has no one tried to improve on endotracheal tubes? What is so difficult about improving this process?

Question 2: Could you justify a small price increase above $3 for an improved design?

Team Name:

Question 1:

Question 2:

DURING the presentation, each student is to write down ATLEAST 2 questions that they would like to ask each presenting group. These will be distributed to teams

Team Name: Wombox

Question 1: How will this device interface with other surgical devices?

Question 2: At what stages of pregnancy is this device safe to use?

Team Name: Joey 101

Question 1: What about RHC allows for improvement of development? What are the chemical (?) processes occuring within the body to evoke this?

Question 2: [redacted] What type of info (clean testing) will be sent to Malawian physicians for feedback?

Team Name: Atriumph

Question 1: Are there any current devices to monitor Atrial fibrillation?

Question 2: What size [redacted] clot could the device detect?

Team Name: Tube Much

Question 1: How did you decide on 15% market share?

Question 2: Is your device only addressing diameter issue?

Team Name: Flow Masters

Question 1: What are the costs [redacted] for competitive products? Will a $150 price appeal to user/payer?

Question 2: Can the device measure a large range of flow rates?

Proposal Presentation -- Assessment

Team Name: Tube Much

Technical Content	Not Acceptable		Average		Excellent
1. Explained motivation for design	1	2	3	4	(5)
2. Summarized scope of design problem	1	2	3	(4)	5
3. Presented market analysis	1	2	3	(4)	5
4. Presented customer needs analysis	1	2	3	4	(5)
5. Presented target specifications	1	2	3	4	(5)
6. Presented mission statement	1	2	3	4	(5)

Visuals or Slide Design	Not Acceptable		Average		Excellent
1. Visual appeal of slides	1	2	3	4	(5)
2. Quality of graphs, figures and tables	1	2	3	4	(5)
3. Clear, concise supporting text	1	2	3	4	(5)

Organization of Presentation	Not Acceptable		Average		Excellent
1. Summarized scope of talk at the beginning	1	2	3	4	(5)
2. Communicated purpose of presentation	1	2	3	4	(5)
3. Appropriate tone for audience	1	2	3	4	(5)
4. Organization of content	1	2	3	(4)	5
5. Finished with a convincing conclusion	1	2	3	(4)	(5)

Oral Presentation Quality	Not Acceptable		Average		Excellent
1. Team's confidence and enthusis	1	2	3	(4)	5
2. Team's control of Q&A and quality of responses	1	2	3	4	(5)
3. Presentation length	1	2	3	4	(5)

Individual Assessment

Mark X in areas that are AVG. or BELOW AVG.

Name:	Invidual Presentation Score: (1-5 as above)	Well Pr	Eye Co	Voice Q	Body L	Questions
1. Corin Peterson	3	–	✓	–	✓	✓
2. Lisa Sampson	5	✓	✓	✓	✓	✓
3. Erin Anderson	5	✓	✓	✓	✓	✓
4. Ronal Infante	5	✓	✓	✓	✓	✓
5.						
6.						

Comments: Great Work, Great Improvements made from peer feedback. Excellent presentation.

One thing the group did particularly well: Visually pleasing! Highly Quantitative.

One thing that could be improved: Conclusion could use more time and emphasis, just in speech & slide time, they are good slides. & Mission statement

DURING the presentation, each student is to write down ATLEAST 2 questions that they would like to ask each presenting group. These will be distributed to teams

Team Name: Wombox

Question 1: What are some of the current pulse oximetry technologies? / How do they work?

Question 2: What are estimated dimensions of your device?

Team Name: Joey 101

Question 1: What is the ~~the~~ average timeframe for KMC?

Question 2: ~~Eth~~ How do KMC users currently know when KMC is being used incorrectly?

Team Name: Tube Much

Question 1: How often do esophageal intubations occur?

Question 2: What is the severity of tissue necrosis in the airway?

Team Name: Flowmasters

Question 1: Why is urine output monitored hourly?

Question 2: Who are you working with for your project? (Sponsor?)

Team Name: _____

Question 1:

Question 2:

Proposal Presentation -- Assessment

Team Name: Tube Much

Technical Content	Not Acceptable		Average		Excellent
1. Explained motivation for design	1	2	3	(4)	5
2. Summarized scope of design problem	1	2	3	(4)	5
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Individual Assessment

Mark X in areas that are AVG. or BELOW AVG.

Name:	Invidual Presentation Score: (1-5 as above)	Well Pr	Eye Co	Voice Q	Body L	Questions
1. Corin	4	4	5	4	5	
2. Ronal	4	4	5	5	5	
3. Lisa	5	5	5	5	5	
4. Erin	5	5	5	5	5	
5.						
6.						

Comments: Research more about bad intubation (numbers, etc)

One thing the group did particularly well: Walking us through the intubation process

One thing that could be improved: rearrange how you stand, too much mic passing

DURING the presentation, each student is to write down ATLEAST 2 questions that they would like to ask each presenting group. These will be distributed to teams

Team Name: Wombox

Question 1:
How do you plan on testing it?

Question 2: Are you worried about lack of space for insertion when there are many other devices being used during surgery?

Team Name: Atriumph

Question 1:
Will there be some sort of interface that tells the patient if the device is failing?

Question 2: How will you test this? What about long term testing?

Team Name: Tube Much

Question 1: What do you mean by collapsible? Are you worried about it collapsing in a patient?

Question 2: Are there anatomically accurate models to test on?

Team Name: Flow Masters

Question 1:
Do people die from the 26% accuracy error? Or is it just not ideal?

Question 2:
How do you plan to sync your app/code/etc with various electronic records? Do you have to work with the companies that own these record systems?

Team Name: _____

Question 1:

Question 2:

Proposal Presentation -- Assessment
Team Name: ~~[illegible]~~ Tube Much

Technical Content	Not Acceptable		Average		Excellent
1. Explained motivation for design	1	2	3	4	5
2. Summarized scope of design problem	1	2	3	4	5
3. Presented market analysis	1	2	3	4	5
4. Presented customer needs analysis	1	2	3	4	5
5. Presented target specifications	1	2	3	4	5
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Individual Assessment

Mark X in areas that are AVG. or BELOW AVG.

Name:	Invidual Presentation Score: (1-5 as above)	Well Pr	Eye Co	Voice Q	Body L	Questions
1. ~~[illegible]~~ Lisa	4					
2. ~~[illegible]~~ Ron	4					
3. Corin	3					
4. Erin	~~3~~ 4					
5.						
6.						

Comments: _____

One thing the group did particularly well: _____

One thing that could be improved: _____

DURING the presentation, each student is to write down ATLEAST 2 questions that they would like to ask each presenting group. These will be distributed to teams

Team Name: Wombox

Question 1: Why are there no fetoscopic pulse oximeters currently? (ones that are made specifically for fetoscopic surgery)

Question 2: Is your cost <$1000 per use or total?

Team Name: Atrivmph

Question 1: Would the permanent implant require surgery to be implanted? Doesn't that raise costs?

Question 2: Would there be a way to check the accuracy of device readings / calibrate the device after it's already implemented?

Team Name: Tube Much

Question 1: How will you test the device?

Question 2: How will you make sure your device doesn't accidentally collapse?

Team Name: Flow Masters

Question 1: Would it be helpful if the device also indicated whether or not the flow rate was appropriate?

Question 2: Are current EMR systems able to be integrated with your device? Or will you make special considerations for that?

Team Name: _____

Question 1:

Question 2:

DURING the presentation, each student is to write down ATLEAST 2 questions that they would like to ask each presenting group. These will be distributed to teams

Team Name: Joey 101

Question 1:
What is the physiologic basis for KMC? maybe out of scope BUT would be interesting

Question 2:
How can you standardize KMC? tightness of wrapping, skin to skin contact

Team Name: ~~Project Clot~~ Atriumph
I like the transitions, transitions beautiful ♡

Question 1:
So pretty What does the progression of the disease look like? constant atrial fibrillation or episodes answered ✓

Question 2: would a patient know if they are experiencing atrial fibrillation? in conjunction with devices used at other steps

Team Name: Tube Much
really like the background anatomy

Question 1:
What situations require intubation?
usually how much time do doctors have
→ atrial fibrillation monitoring marketed episodes + probability

Question 2:
how long is this usually in for?
emergency ~~between~~ vs. planned market
→ Who is the typical medical professional

Team Name: Flowmasters

Question 1:
what is high enough frequency to detect changes in urine output? 1/hr
how soon does an episode occur → how urgent?
episodic in nature
0-50cc/min

Question 2:
~~what~~ What are some major hurdles to adoption?

I like the conclusion
if we measure IN then we should measure OUT! good for elevator pitch

Team Name:

Question 1:

Question 2:

DURING the presentation, each student is to write down ATLEAST 2 questions that they would like to ask each presenting group. These will be distributed to teams

Team Name: Joey 101

Question 1: If sleeping with baby is there danger of suffocation of baby

Question 2: What is the System Usability Scale? What about power source?

Team Name: Team Attriumph.

Question 1: How would you charge the device?

Question 2: Why do you think you'll get 100% of the atrial patients? to buy your product

Team Name: Tube Much

Question 1: Are most of the issues happening with people who are under the support for many days? (p... 15% of all strokes, wouldn't get a lot of this market)

Question 2: What is the difference between the main market and niche market? How are the niche markets not included?

Team Name: Flowmasters

Question 1: Are there any safety concerns that need to be considered?

Question 2: Why does data need to transmitted wirelessly, is that key constraint?

Team Name: _____

Question 1:

Question 2:

DURING the presentation, each student is to write down ATLEAST 2 questions that they would like to ask each presenting group. These will be distributed to teams

Team Name: Joey 101

Question 1: What is the system useability scale and what does it mean to have a score greater than 70?

Question 2:

Team Name: Atriumph

Question 1: What are regulator needs for a device such as the one you propose?

Question 2:

Team Name: Tube Much

Question 1: Is disposability an ~~alternative~~ acceptable alternative to autoclavability? What's the advantage of being able to autoclave?

Question 2: Does expanding diameter from 8mm to 10mm carry a risk of damaging the tracheal wall?

Team Name: Flowmasters

Question 1: What other applications, if any, could your flow-rate measurement device be applied to besides urine output?

Question 2:

Team Name:

Question 1:

Question 2:

DURING the presentation, each student is to write down ATLEAST 2 questions that they would like to ask each presenting group. These will be distributed to teams

Team Name: Wombox

Question 1: any applicable tech. for your solution?

Question 2: what is the tech. hurdle that gets in the way of developing a soln?

Team Name: Joey 101.

Question 1: Market analysis: cost of device vs. education of health professional

Question 2: how to achieve separation of physiological signals from mother and baby.

Team Name: Atricumph.

Question 1: Competing tech that allows for constant monitoring?

Question 2:

Team Name: Tube Much

Question 1: market share, willingness to pay → justifications?

Question 2: improvement of existing design vs. novel design?

Team Name: Flowmasters

Question 1: Justification of market analysis?

Question 2:

DURING the presentation, each student is to write down ATLEAST 2 questions that they would like to ask each presenting group. These will be distributed to teams

Team Name: Wombox

Question 1: If your device will be the first in this area, why state 10% market share?

Question 2: You want to optimize a previous design, but this will be the first of its kind. So what sort of changes do you anticipate making to adapt it to this new area?

Team Name: Joey 101

Question 1: Who takes these sus tests?

Question 2: How do you plan to measure skin-to-skin contact?

Team Name: Atriumph

Question 1: How will it charge and what will this mean for the patient?

Question 2: What regulation hurdles lie in the way of this device?

Team Name: Tube Much

Question 1: What are your ideas for radial expansion / contraction?

Question 2: ~~Does~~ Will your device address too deep of insertion?

Team Name: _____

Question 1:

Question 2:

DURING the presentation, each student is to write down ATLEAST 2 questions that they would like to ask each presenting group. These will be distributed to teams

Team Name: Joey 101

Question 1: How large is the market for this device both in and outside of Malawi?

Question 2: If KMC is as effective as an incubator and singnificantly less expensive why is an incubator the standard of care?

Team Name: Atriumph

Question 1: A permanent implant seems invase and expensive, how does this compare to the curent standard of care?

Question 2: Why did you chose an implant over developing or modifying a curent imaging modality external

Team Name: Tube Much

Question 1: How do you know when your device has reached the optimal radius when expanding?

Question 2: How are you adressing the problem of esophagal intubation? It seems like if it's easier to insert into the trachea it will also be easier to insert into the esophagous

Team Name: Flow Masters

Question 1: It seems like the gravity driven component of the curent standard of care is a large source of potential error introduction would your device also be gravity driven?

Question 2: Why did you choose to transmit data wirelessly?

Team Name: _____

Question 1:

Question 2: