* Minimcally invasive surery – be more specific to ear surgery – find paper that states that TEES is a new, cutting edge type of surery
* Minimally invasive is old – so need to say that this project is new, cutting edge – answer the question what is different about TEES
* For NSERC/CIHR look for areas that the Canadian government is funding and tye it to the project
* Say that people are not doing TEES because of lack of training and the one-handed problem, lack of instruments
* Project will include: the validation of tool – will have residents in a lab with models and will time the length of time it takes to place the graft
* Have one research question and address how it will be answered
* People want to do TEES but they cannot because of x, y, z and the needs assessment will gather the information as to why
  + Will use dephi technique – formulate list of questions based on surgeons feedback, send it out to many surgeons, and then publish results as this information is not out there
  + There is an existing prototype that the team developed and this prototype will be further developed using surgeons to test it in the cadaver, patient, etc
    - Mock OR - residents in a lab with models and will time the length of time it takes to place the graft, how many drops, how many tries to pick up the graft, and ease of use/functionality feedbckv
* CIGITI will provide the models to test on

Aim 1: needs assessment

Aim 2: modify prototype to optimize functionality/accessibility in middle ear

Aim 3: test protoype

Say: dr. james and dr. andrysek and IBBME are a new collaboration with IBBME and we started working together on this new project since Sept 2015, as it was identified as a need by Dr. jame,s a client for our biomed eng capstone project.

Research theme – research in a clinical setting and biomaterials (synthetic grafts)

Synthetic grafts used in tympanoplasty and this instrument will be used to deliver the graft (biomaterial implant) in the clinical setting

* This project encapsulates an overarching goal of collaborating between ibbme research themes of engineering in a clinical setting and biomaterials as this new tool will be used for tympanoplasty to deliver a synthetic biomaterial graft implant in a clinical setting – the instrument is delivering a biomaterial in a clinical setting (the OR)