**Appendix 1**. Prestudy survey and quiz

1. How well do you believe you know the steps of implanting a tibial nail in the correct order? Rate on a scale of 1-10.
2. How comfortable would you be implanting a tibial nail on a Sawbones? Rate on a scale of 1-10.
3. How comfortable would you be implanting a tibial nail on a patient with the supervision of an attending? Rate on a scale of 1-10.
4. How comfortable would you be implanting a tibial nail independently? (no attending supervision) Rate on a scale of 1-10.

Quiz

1. After inserting the guidewire into the lateral intercondylar eminence,
   1. Place the targeting module onto the tibial nail
   2. Place the modular screwdriver into the targeting module
   3. Ream into the tibia with the reamer
   4. Assemble the tibial nail
   5. Attach the entry reamer onto the driver
2. Once the tibial nail is assembled,
   1. Place the targeting module onto the tibial nail
   2. Place the modular screwdriver into the targeting module
   3. Ream into the tibia with the reamer
   4. Take the mallet and hit the nail into the tibial
   5. Place the assembled nail as far into the tibia as it goes by hand
3. After you drill into the tibia with the drill bit through the ST slot of the nail,
   1. Place the targeting module onto the tibial nail
   2. Place the modular screwdriver into the targeting module
   3. Ream into the tibia with the reamer
   4. Remove the drill and drill sleeve
   5. Place the screw onto the modular screwdriver
4. Once you unscrew the connecting bolt of the tibial nail,
   1. Place the targeting module onto the tibial nail
   2. Remove all of the equipment from the tibia
   3. Place the modular screwdriver into the targeting module
   4. Ream into the tibia with the reamer
   5. Assemble the tibial nail
5. After placing the targeting module on to the tibial nail,
   1. Place the screw cannula into the ST slot of the targeting module
   2. Place the modular screwdriver into the targeting module
   3. Ream into the tibia with the reamer
   4. Pull out the screwdriver leaving the screw in the bone
   5. Remove the trocar from the screw cannula
6. Before you place the entry cannula onto the guidewire,
   1. Place the screw cannula into the ST slot of the targeting module
   2. Place the modular screwdriver into the targeting module
   3. Ream into the tibia with the reamer
   4. Pull out the screwdriver leaving the screw in the bone
   5. Detach the driver from the inserted guidewire