**Thompson-** **iPhone Attachment For Stethoscope Recording**

The manuscript describes a 3D-printed interface between the iPhone and the stethoscope that allows the sound from a standard stethoscope to be recorded using the phone’s built-in microphone.

There is very limited information on the design of the adaptor or the use of the device.

**Reviewer #1**

Suggestions for improvement:

1. Please add in the text reference to the figures.
2. Introduction: A schematics of acoustic stethoscope showing its main components and some discussion on its functionality may be useful.
3. Introduction: Please address the clinical utility and potential applications of your device (e.g. capability for remote diagnosis, telemedicine, access for health services in low income countries and other application)
4. Introduction: adding more information on 3D printing may be useful.
5. Material: Please add the 3D printer and the polymers used for printing
6. Methods: In 3.1.b please describe in more details the element of the attachment figure 2. How it was designed and what are the design considerations.
7. Methods: Address the settings for the recording, describe low-pass filter and its application.
8. Methods: It may be useful to add figure 3B of signal without low-pass filter and discuss the results.
9. Methods: Describe the frequency analysis tools, how figure 4 was generate ?

**Reviewer #2**

I think this is an interesting paper but the biggest flaw is a lack of information about results.

Specific comments

1. Please specify the material (nylon, ABS etc) in the materials section
2. Section 3.1.a: please specific the price
3. Suggest to move current references to materials or notes sections
4. Would be nice if there were some references to 3D printing, adapting 3D printed devices to phones, stethoscope recording devices
5. The biggest issue is that the figures are not introduced one-by-one and discussed in detail.
6. Please remove brand names from title.