



**CALIFORNIA SCIENCE & ENGINEERING FAIR  
2018 PROJECT SUMMARY**

<b>Name(s)</b> <b>Sadie Cronin; Jasmine McKnight</b>	<b>Project Number</b> <b>J1306</b>
<b>Project Title</b> <b>Sound Healing and the Human Response</b>	
<p style="text-align: center;"><b>Abstract</b></p> <p><b>Objectives/Goals</b> Our worlds medical system has a gap. Acutonics FDA approved tuning forks made of space grade metal can fill that gap. Could sound healing vibration carried through a beginning level Ohm tuning fork affect heart rate and blood pressure? This was a question we set out to find the answer to.</p> <p><b>Methods/Materials</b> Through the help of a certified Acutonics practitioner as well as local Physical Therapist, we gained access to a professional heart rate and blood pressure monitor as well as Acutonics Ohm tuning forks. We created a protocol from the Acutonics beginners manual, "There's no place like Ohm." We proceeded to conduct our protocol on eight different patients in the same environment and sequence . We took blood pressure and heart rate in our active group first, applied tuning fork sound healing vibration to the patient, and then took the vital signs again. Our control group was placed in the same environment, no tuning fork treatment applied, and vital signs were taken before and after. Each patient had a 15 minute treatment.</p> <p><b>Results</b> The majority of our active group after treatment had a decrease in heart rate and blood pressure. Our control group came out with less significant results. After graphing our results and analyzing the data, we believe that sound healing vibration does have an affect on the human response system. Our results from this particular experiment was that the heart rate and blood pressure is decreased through a tuning fork sound frequency.</p> <p><b>Conclusions/Discussion</b> Our findings are proof that tuning fork vibration has an affect on the human response system. As we pondered the power of such a simple tool, we thought about what we and the universe are made of. Humans are made primarily of water, and vibration such as a heart beat keep us alive. Pulses, expanding and contracting keeping our vital functions operating just, just as a star. When there is a block or disease in our systems , water and vibration are a perfect match that can even move through bone. If sound can move through bone , it can move through human cells as well. Cancer is a worldwide phenomena. The potential is endless.</p>	
<b>Summary Statement</b> Sound healing vibration from tuning forks can fill a gap in medicine and be implemented as a protocol in all health issues.	
<b>Help Received</b> We received help from a local Physical Therapist and three different certified Acutonics practitioners. We also interviewed a local doctor who specializes in Cancer research.	