

CALIFORNIA STATE SCIENCE FAIR 2011 PROJECT SUMMARY

Name(s) **Project Number** Bassil A. Dakelbab 31669 **Project Title** Seeing Through the Smoke **Abstract Objectives/Goals** My objective was to set put and prove that smoking Hookah is worse for you th king cigarettes. Methods/Materials Ten empty juice bottles Package of filtered and non-filtered cigarettes 4 foot pumps Duct tape Hookah Pipe Hookah tobacco Cotton Face Mask Scale that can measure in grams First I designed and built a "human lung" machine to test the different types of smoking tobacco. I tested equal amounts of Hookah tobacco, filtered cigarettes and non-filtered cigarettes. I ran a control lung first. Than three trials of non-filtered, three trials of filtered cigarettes and finally three trials of Hookah. I collected all my data then analized if then formed my conclusion. **Results** After weighing all the bottles, I proved that smoking Hookah is worse for you than smoking cigarettes. Even thought the bottles of cigarette smoke appear to be dirtier, the hookah bottles had more residue trapped inside them so they weighed more. **Conclusions/Discussion** Originally an Iranian physician created the Hockar as a healthier alternative to smoking. He thought that people could smoke it and because the smoke passes through water it would be purified. Smoking anything is very harmful to the numer body and should not be marketed as one is being better for you than the other. There really is not that vig of a difference whin it comes to filtered and non-filtered cigarettes. Hookah which was suppose to be a healthier alternative to smoking, turns out to be even worse. Bottom line is smoking is no good for anyone and the environment. **Summary Statement** To determine if smol ng Hookah or cigarettes is more harmful to your body. Help Received Mother helped me purchase the tobacco produces and supervised me while I was doing my experiments.