

CALIFORNIA STATE SCIENCE FAIR 2011 PROJECT SUMMARY

Name(s)	Project Number
Anastasia M. Every	
	31573
Project Title	
Monitoring of Glucose Levels to Prevent Equine Laminities	
Abstract	
Objectives/Goals	
To help prevent Laminitis cases and raise awareness to Equine owners, by testi Laminitis is a deadly disease affecting Equine due to high amounts of consume	d sugar. By testing Equine
glucose levels before and after popular treats are fed, I am trying to secif treats	s that most people would
feed on a regular basis has enough sugar content to affect the Equipe's glucose Methods/Materials	
Blood samples from four Equine of different agaes, carros, apples, Altiods, Carros, apples, Altiods, Carros, apples, Altiods, Carros, glucose testing meter, and small needles were used during my or Equines and took some blood samples by pricking each of their shoulders with a callected the blood on a glucose testing meter string. After the glucose testing with	rrot and Spice store brand
Equine treats, glucose testing meter, and small needles were used during my pr Equines and took some blood samples by pricking each of their shoulders with	oject. I gathered the four one small needle. I then
Γ confected the blood on a glucose testing meter strip. After the glucose subount r	n each Eduine's blood was
recored, I fed them each one type of treat. Then, after twenty minutes I gathere see if there was any change in the glucose amounts in each Equipe's brood. Eac	ed more blood samples to character to character and charac
popular treats were used.	
Results Glucose levels were collected from all four of the Equine Results before and a	fter each treat was giving
were recorded as well.	6 6
Conclusions/Discussion I was able to find the change in Equine glueose levels before and after certain amounts of sugar were	
consumed. However, my hypothesis that Alton's would raise the glucose levels the most in Equine was	
believe this is due to the fact that we tested their plucose levels after their insulin had time to react to the	
I was able to find the change in Equine glucose levels before and after certain amounts of sugar were consumed. However, my hypothesis that Altords would raise the glucose levels the most in Equine was rejected. Most of the Equine's glucose levels were lowered even when sugar was added to their systems. I believe this is due to the fact that we tested their glucose levels after thier insulin had time to react to the large sugar amounts. If I was to redo or add on to this project, I would take the blood samples at earlier and later times such as to redo or add on to this project.	
and later times such as ten minutes and thirthy minutes.	
Summary Statement This project is used to raise awareness about Equine Laminitis by testing glucose levels to see if regularly	
fed treats have any affect on Equine glucose levels	
Help Received	
Mother assisted in handleing of all Equine, photo documentation, and layout of project board.	