## **Scuba Diving** Without Air Other **Impossible Feats**



QS Annual Conference Show & Tell

Sept. 2018 Jessica Ching

#### Which is "Impossible?"

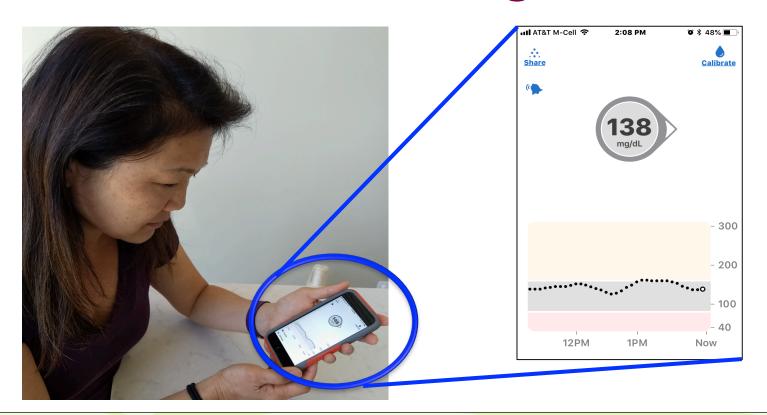






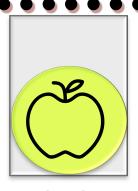
Type 1 diabetes = All 3 Impossible

#### 24/7 Breakthrough Tool



#### Balancing on the Tightrope

Plus: Stress, Sleep, Sickness, Daylight savings







0.5 units/hr. & 2-5 units/meal



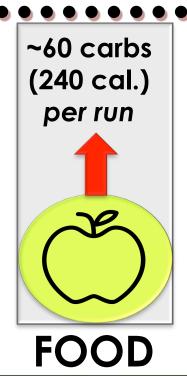
**EXERCISE** 

Exercise ~1hr 4-6x/week.

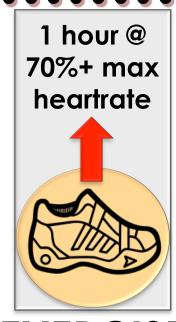
#### **FOOD**

I count every carb, plus fat & protein. 100-180g carbs/day.

#### A Really Lousy Proposition







**EXERCISE** 

#### The Holy Grail

Nearly 100% exercise benefit possible?

Research says no.

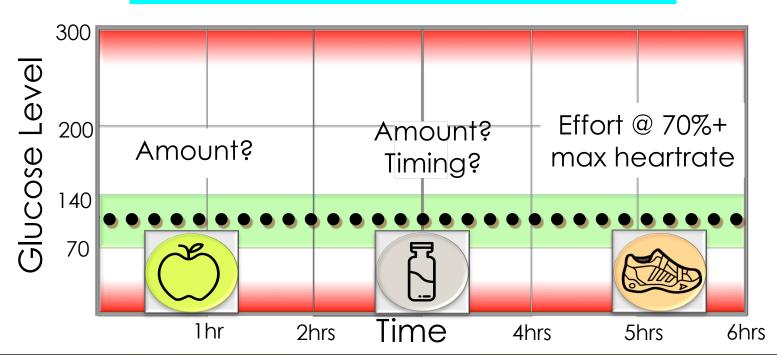


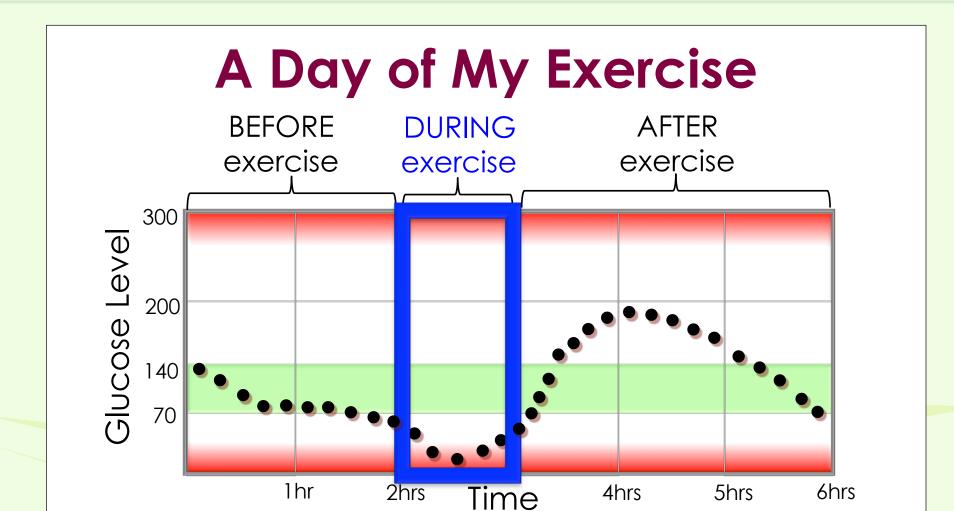




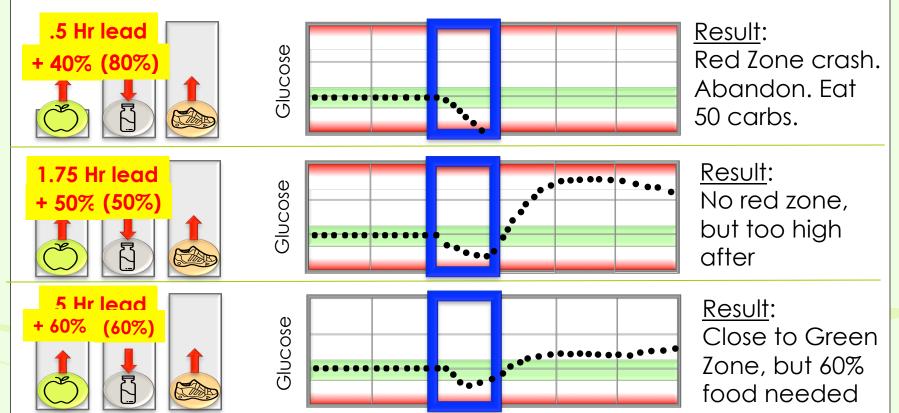
#### My "Green Zone" Trials

My blood sugar level is the tightrope.

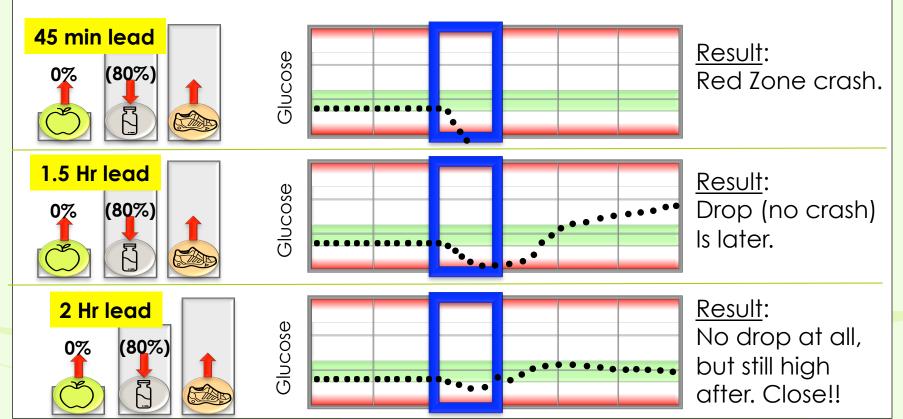




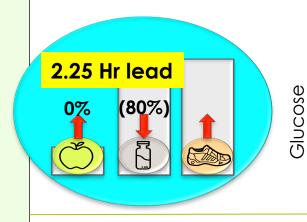
#### My Exercise Trials

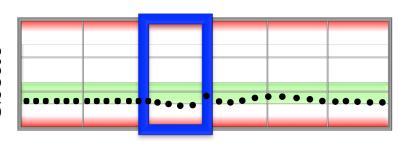


#### **Isolation of Variables**

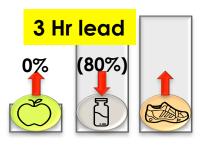


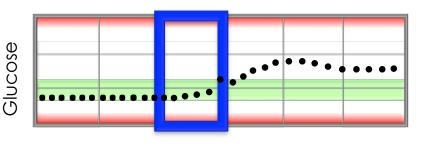
#### 2184 "Trials" of n=1





Result:
Seems perfect.
Can be better?





Result:
Double check.
No, 3 hrs is not good.



# I Run Half Marathons: Almost No Food!

12 Races 8736 Miles 873,600 Calories saved 249 Pounds not gained **Takeaways** 

KEY FACTORS are everywhere

DATA speak multiple languages



VARIABLES can vary!

CHALLENGE
"what is
known"

### Thank you!

Questions