





### Performance Nutrition *Fueling Excellence* PRE-COMPETITION



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## **Haley Wickenheiser**

4 Time Olympic Gold Medalist, 5 Time Olympian

According to Wickenheiser Good Nutrition Accounts for "50% of Performance, with 40% Mental & 10% Physical"



- Fun Facts & Fundamentals
- Pre-Comp Nutrition Objectives
- Easy as 1 2 3

### How Each of You Can Prepare to Compete



# What Might You Eat Differently as You PREPARE to Compete?







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✓ Fun Facts & Fundamentals



## Nutrition Foundation Starts with FOOD!







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## Some Signs of Insufficient Fueling



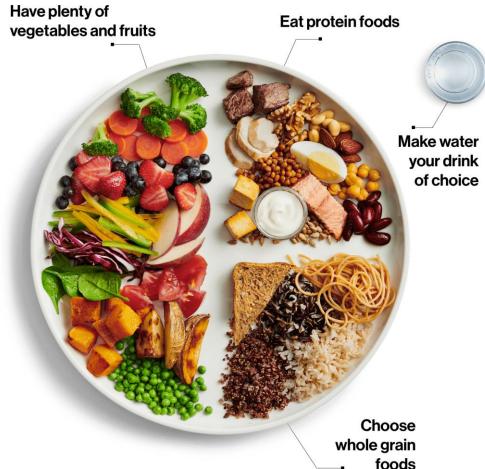
- Empty or Heavy Feeling Muscles when Exercising
- Light-Headed, Shaky or Dizzy at Times
- Inconsistent performances in Practices/Training/Comp
- Not Building Muscle or Getting Stronger as Expected
- Missing Menstrual Cycles
- Moody, Irritable, Not Always Feeling Happy
- Problems Sleeping
- Difficult to Study or Concentrate at Times
- Get Sick Easily and Frequently



## **Canada's Food Guide**

### Food Groups based on Similar nutrients

Sport Nutrition – We Discuss "FUEL" Options – Carbs, Protein & Fats



## **Know Your Macros Your Fuel Sources**





<u>Carbohydrates:</u> grains (cereal, pasta, wild rice), all fruit/berries, all vegetables (corn, squash, succotash), legumes (kidney beans, white beans), milk, yogurt



<u>**Proteins:**</u> eggs, fish, beef, game meat, chicken, turkey, grouse, whale, duck, clams, mussels, whey, Greek yogurt, tofu, cheese\* & nut butters\* (PB, AB)

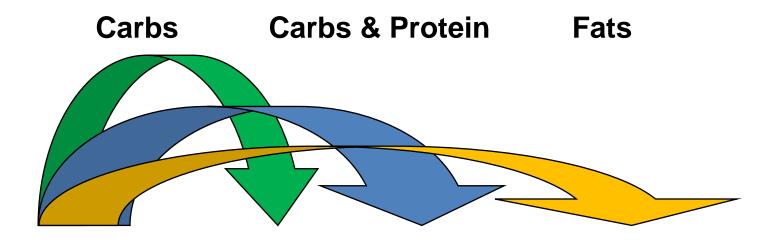


<u>Fats:</u>oils, butter, nuts, seeds, cheese\* & nut butters\* (PB, AB), avocado, chia seeds, hemp hearts



# **Rates of Digestion**

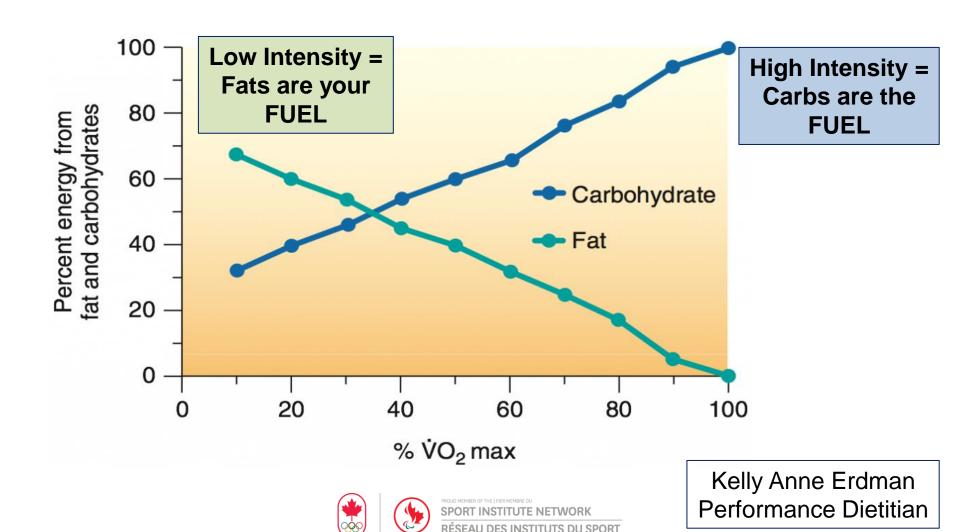




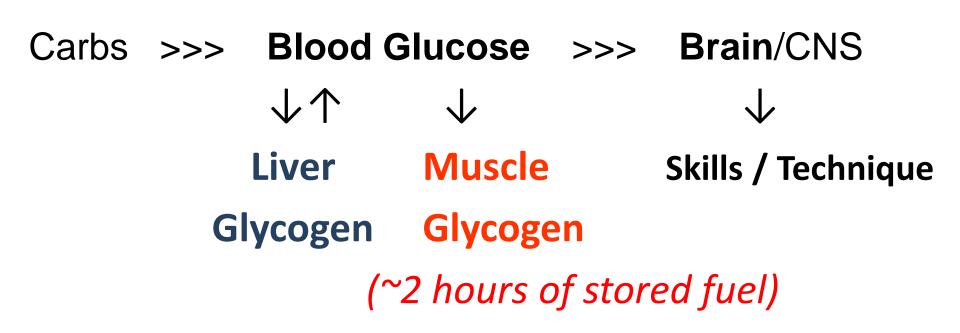


## **Exercise Fuels**

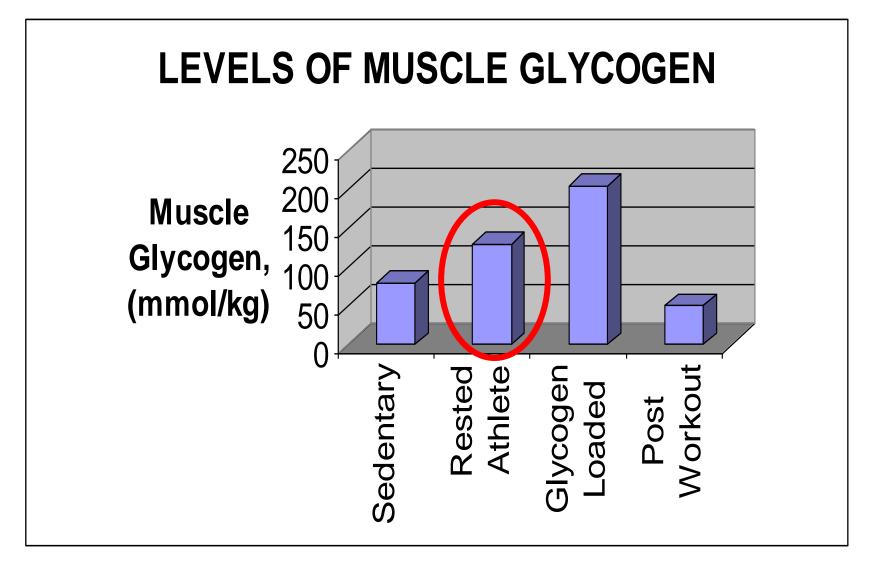




## Carbohydrates – the Main Fuel for Exercise









# **Pre-Competition Nutrition**<br/>**Objectives**



- Fully Energized to Compete (Carbohydrates)
- Well Hydrated (Fluids)
- Foods Well Tolerated (Digest Easily, no Tummy Upset)



✓ Fun Facts & Fundamentals
 ✓ Pre-Comp Nutrition Objectives
 Easy as 1 - 2 - 3



Your Energy to Compete on Saturday Mainly Comes From what you Ate On:

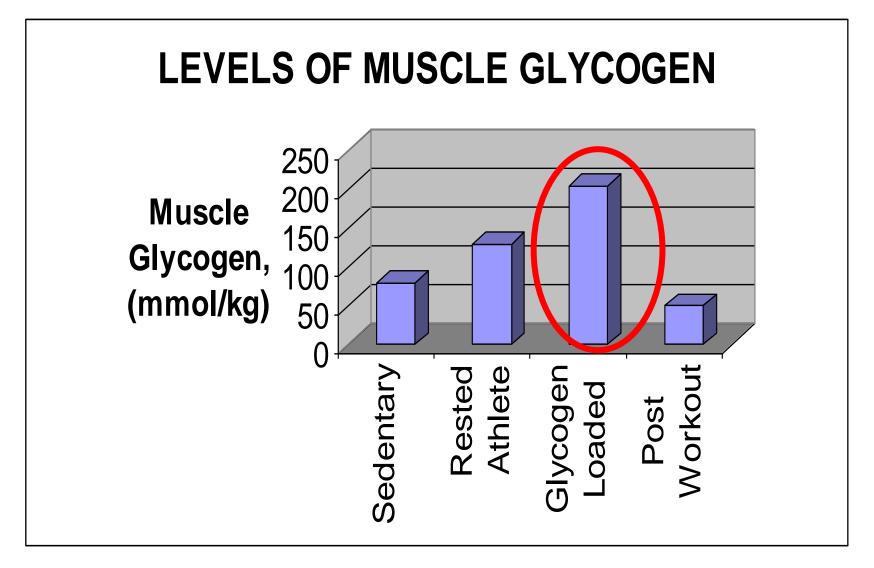
- a. Thursday
- b. <u>Friday</u>
- c. Saturday



### Fuelling Excellence **Pre-Competition Nutrition Easy as 1-2-3**

## **1. PRIMING TO COMPETE**







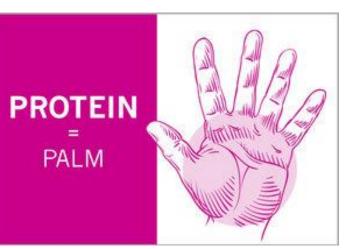
### **PRIMING TO COMPETE – Increase Carbohyrates**

1, 2 & 3 days before competition eat larger servings of "starchy" foods (corn, wild rice, potatoes, pasta, kidney beans, bread, cereal)







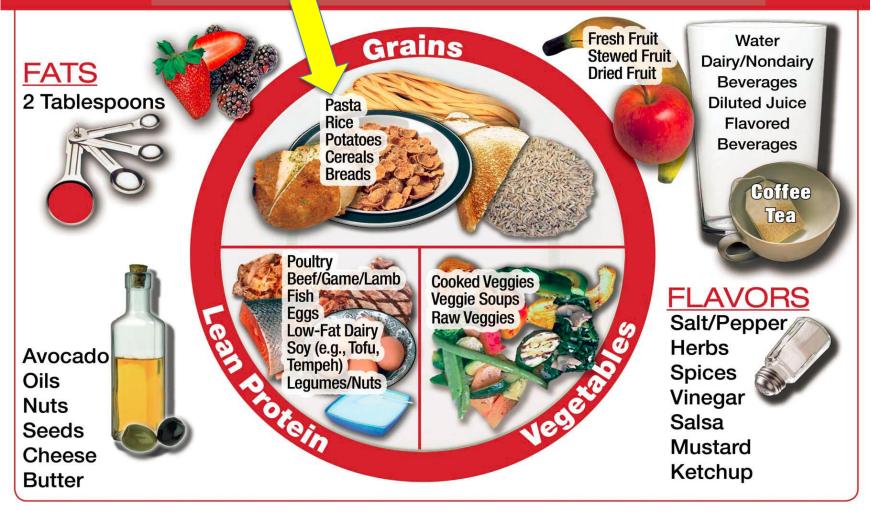


2-3 Clenched Fists STARCH
1 Palm of cooked PROTEIN
1-2 Cups Veggies or Fruits
+ Healthy Fats, Fluids





## **PRIMING TO COMPETE**





Kelly Anne Erdman Performance Dietitian

### **PRIMING TO COMPETE: Increase Carbohydrates**

2-3 Fists Cooked Starch in Breakfast, Lunch & Dinner for the 1-3 Days Before Compete

Keep Eating Like This During TOURNAMENTS



### **PRIMING TO COMPETE – Increase Carbohydrates**

*High Carb Bedtime Snack* (cereal, fruit salad, yogurt, toast, crackers, granola bar, rice pudding, muffin, bagel, oatmeal)



### **PRIMING TO COMPETE: Drink lots of Water**

Sip on 1.5 – 2 Litres water each day for the 3 days before you start to compete (keep drinking lots during competition too!)



### Fuelling Excellence **Pre-Competition Nutrition Easy as 1-2-3**

## 2. GAME DAY, GAME ON



# You compete at 10:00 am. When should you have your pre-competition meal?



- a. 6:00 am
- b. 7:00 am
- c. 8:00 am
- d. 9:00 am

#### Between 7:00 to 8:00 am is Best

### **Pre-Exercise Timing**

### Large Meal

### 2 to 3 Hours before Compete

Compete 11 am, Meal at 8-9 am

### Small Meal

### 1.5 to 2 Hours

Compete 11 am, 9-9:30 am

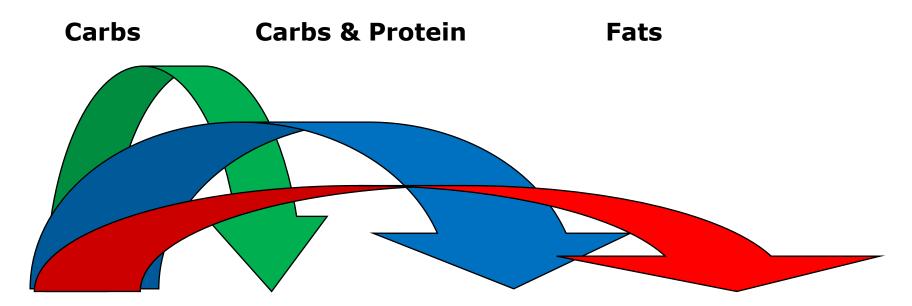
### **Snack**

### 1 to 1.5 Hours

Compete 11 am, Snack at 9:30-10 am



# Remember Timing of Digestion





### Garbage In = Garbage Out

- What Does This Mean?
   <u>Less Healthy Foods</u>
- Candy, slurpees/eluct pop, chips 90% (healthy) & 10% (extras) doughnuts, pastries, chocolate bar, pizza, etc.



# Which is the Best **Pre-Competition Meal**?



#### A. Spaghetti with Meat Sauce

B. Full order of Lasagna

- C. Fettuccini Alfredo with Chicken
  - D. Spinach Salad with Chicken



## Let's Plan Breakfast Before Competition



- Oatmeal, cold cereal
- Bread, bagel, English muffin
- pancake, muffin
- potato



- Eggs
- Meat
- Greek yogurt
- Cottage Cheese
- PB





- Berries
- Melon
- Orange, grapefruit
- Apple, pear, peach, plum



## Other Pre-Comp Meal Ideas: *plus water!*



- Chicken, Rice, Veggies
- Pasta, Meat Sauce, Salad
- Sandwich, Fruit, Muffin
- Pasta or Quinoa Salad w Veggies & Protein
- Eggs, Potatoes, Toast, Fruit
- Egg Burrito, Fruit
- Oatmeal, Yogurt, Fruit, Toast & egg/PB



# Which is NOT the best **Pre-Competition Snack**:

- a. Almonds & dried fruit
- b. Pepperoni stick
- c. Protein bar
- d. Cheese string & apple
- e. Toast with PB



Which is NOT the best choice as a Pre-Competition Snack?

- a. Almonds & dried fruit
- b. <u>Pepperoni stick</u>
- c. Protein bar
- d. Cheese string & apple
- e. Toast with PB



### Pre-Competition Snacks

#### Quick Fuel:

Fruit, sports bar, granola bar, Fig Newtons, bagel, dry cereal, oatmeal, dried fruit, muffin

#### Energy Sustaining: takes more time to digest

Cheese, protein bar, peanut butter, nuts, trail mix, Energy Balls, Protein – meat, chicken, fish, eggs



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## **3. SHOW UP HYDRATED**

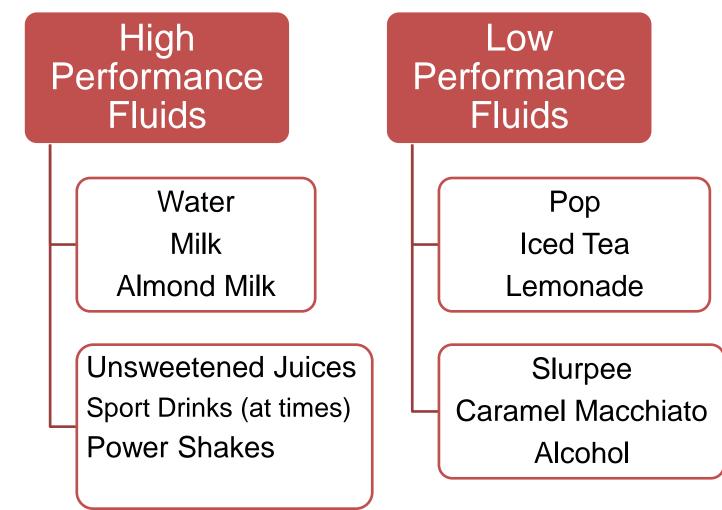


#### You Can Work Harder WHEN . . .

## Show Up Hydrated

- 1-2 cups Water upon Waking
- 1.5 Litres (6 cups)
   throughout the
   day; sip vs chug
- ½ Litre for everyHour ofcompeting
- Rehydrate until urine is pale yellow







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