NUTRITION AS YOUR 6TH PLAYER ON THE ICE?



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HOW DOES NUTRITION AFFECT PLAYER PERFORMANCE OR THE RESULT OF A MATCH?











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11 YEARS OF EXPERIENCE AS A SPORTS NUTRITIONIST

10 OLYMPIC ATHLETES, 21 DIFFERENT SPORTS

4000+ HOURS OF INDIVIDUAL CONSULTATIONS



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ŠIMON NEMEC (NEW JERSEY DEVILS)

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JAKUB GRIGAR (OLYMPIC MEDALIST IN CANOE SLALOM)



DOMI ŠKORVÁNKOVÁ (CAPTAIN OF SLOVAK FOOTBALL TEAM)



MARTIN SVRČEK (SOUDAL QUICKSTEP -WORLD TOUR CYCLING)

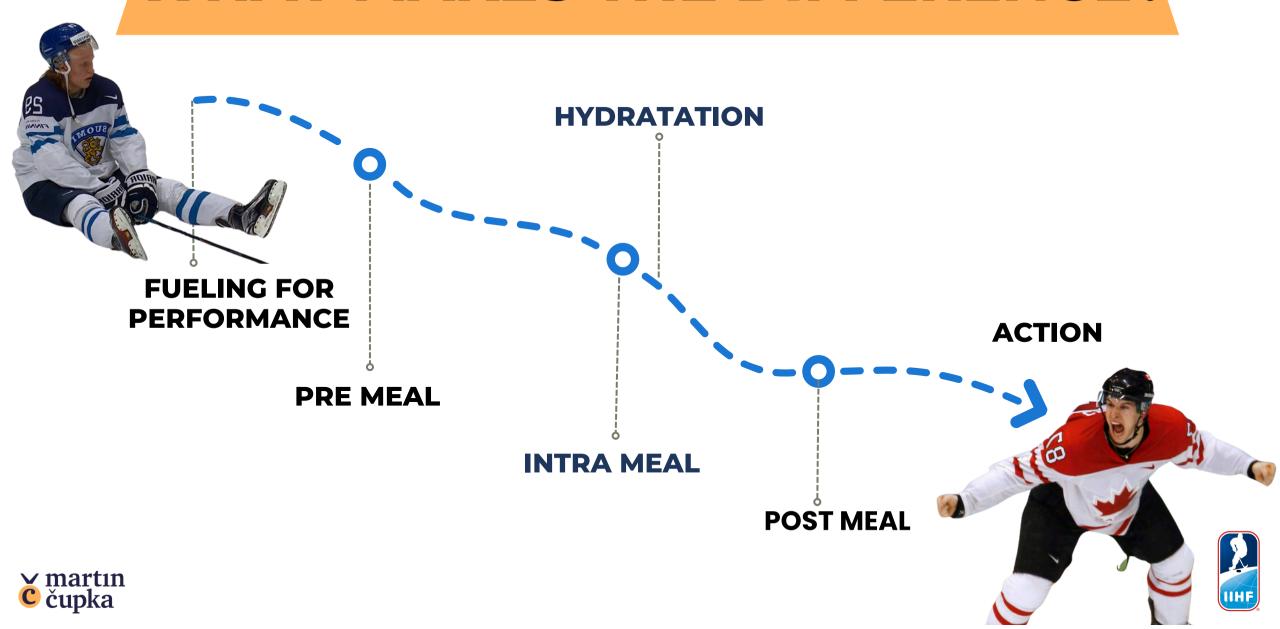


WHAT CAN YOU DO AS A COACH FOR YOUR TEAM WHEN IT COMES TO NUTRITION?





WHAT MAKES THE DIFFERENCE?



WHAT KIND OF CARS DO YOU LIKE?





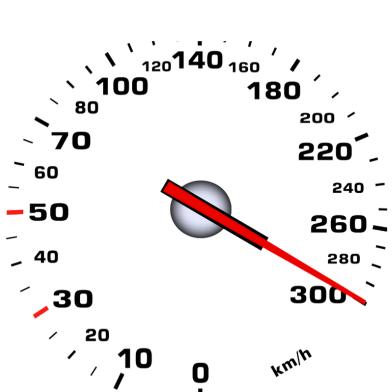






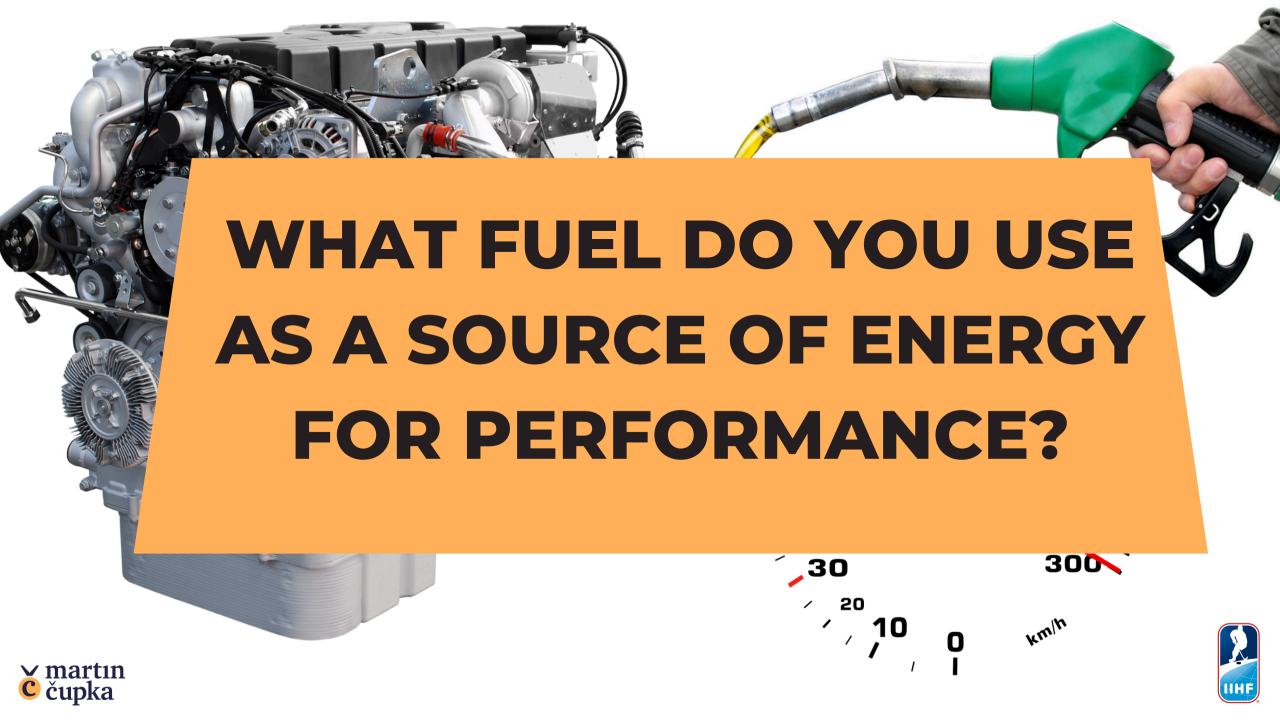








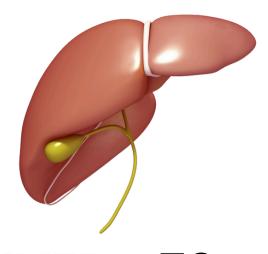




WHERE DOES THE ENERGY FOR PERFORMANCE COME FROM?



MUSCLE: ~300 g (1200 kcal)



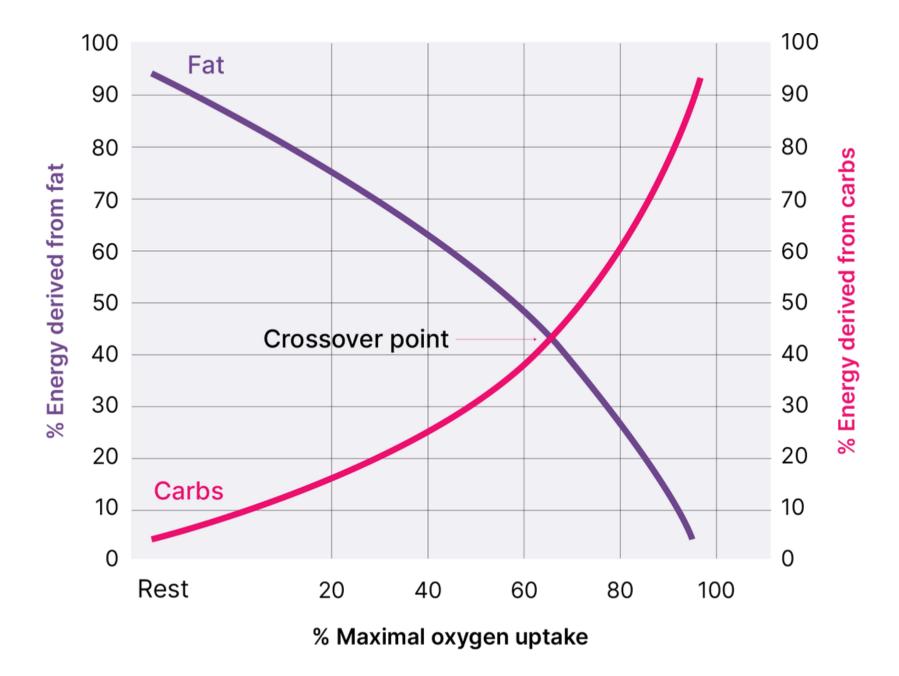
LIVER: ~70 g
(280 kcal)



FAT: >6000 g (72000 kcal)



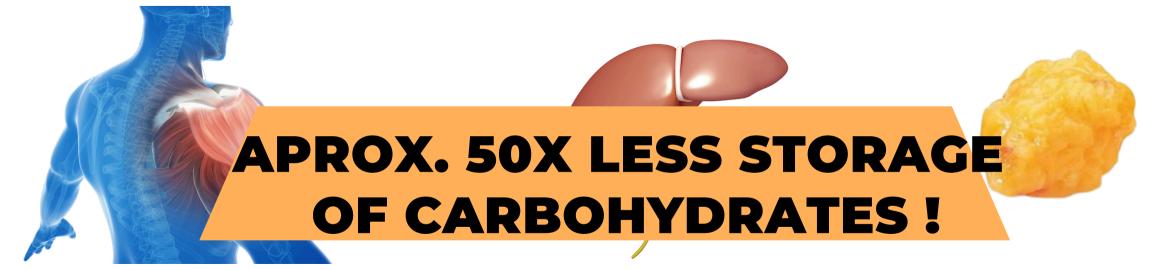








WHERE DOES THE ENERGY FOR PERFORMANCE COME FROM?



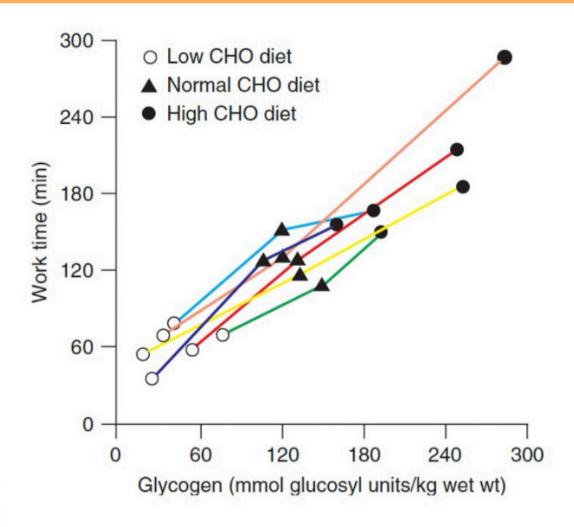
MUSCLE: ~300 g LIVER: ~70 g (1200 kcal) \ (280 kcal)

FAT:>6000 g (72000 kcal)





WE KNOW THAT MORE THAN 50 YEARS









PETER A.K.A RANDOM NUTRITION



PETER A.K.A RANDOM NUTRITION High Carbs storage Low **Training load** Lack of nutrition **c** martın **c** čupka

Days

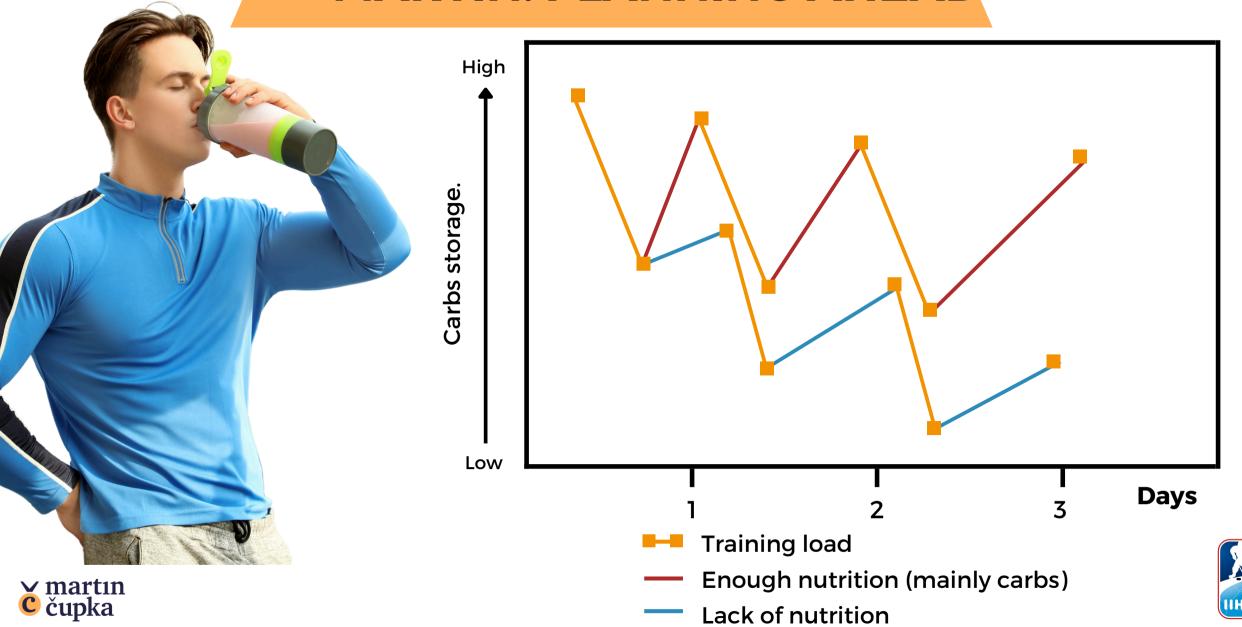
MARTIN: PLANNING AHEAD







MARTIN: PLANNING AHEAD



IMAGINE THE DIFFERENCE BETWEEN

HIGHER PASSING ACCURACY



LONGER SHIFTS W/O HEAVY LEGS Do



CONFIDENT PERFORMANCE

REDUCED RISK OF INJURIES / DISEASES







IMAGINE THE DIFFERENCE BETWEEN

HIGHER PASSING ACCURACY



LONGER SHIFTS W/O HEAVY LEGS

HIGHER AVERAGE SPEED
THROUGHOUT THE MATCH

CONFIDENT PERFORMANCE

REDUCED RISK OF INJURIES / DISEASES



SECOND SERVING SERVIN



SLOWER PLAYERS IN 3RD PERIOD



HIGHER REACTION TIME



FREQUENT OUTAGES FROM TRAINING AND MATCHES





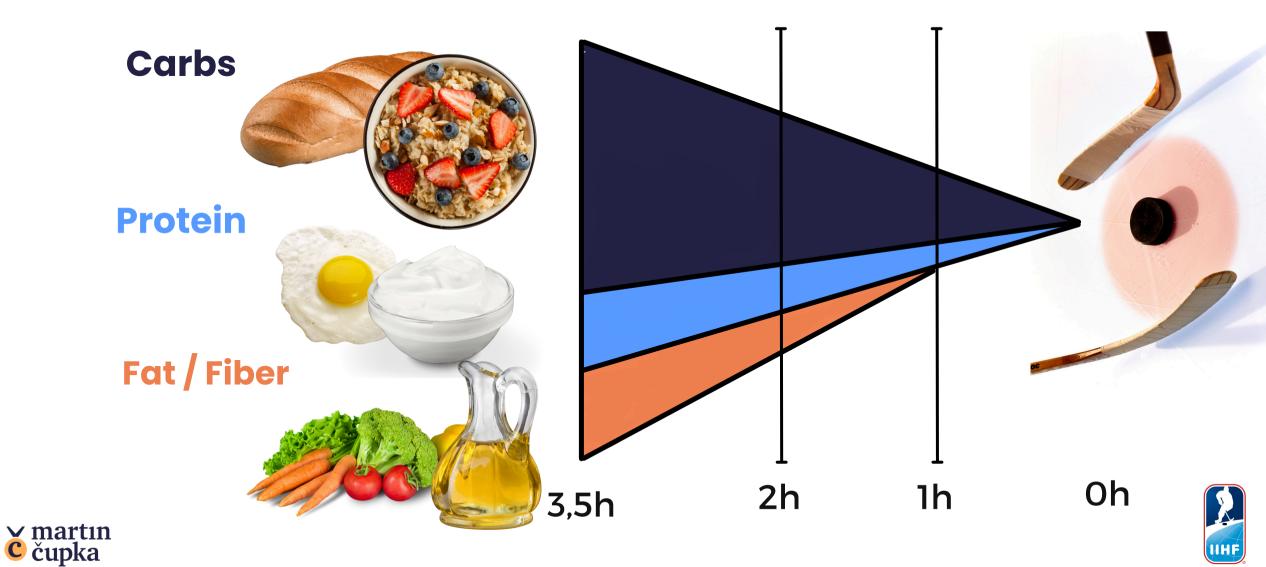
MORE BLOOD IN MUSCLES = LESS BLOOD FOR DIGESTING







NUTRITION TIMING BEFORE TRAINING



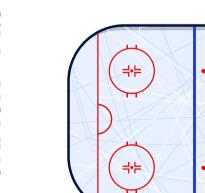
WHAT TO EAT BEFORE TRAINING?

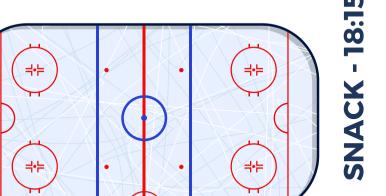
4h 2h 1h Oh 3h "Athlete plate" ↑ Fluid ↓ Fat / Fiber (protein + carbs (mainly carbs) + fat + fiber)





GAME DAY - 16:00 (ITA-HUN)







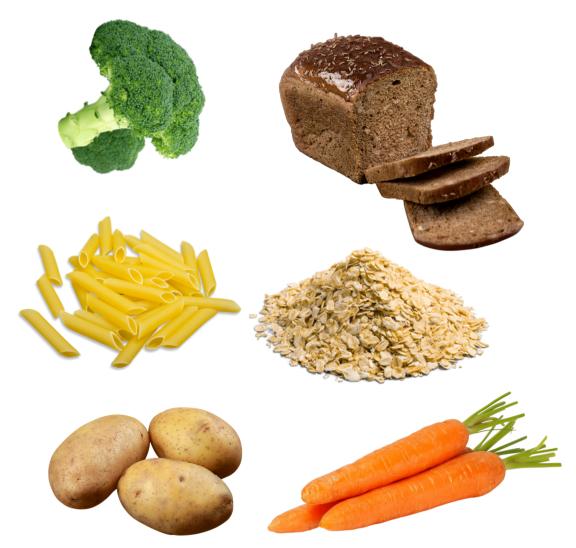


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MEALS

WHAT IS THE DIFFERENCE?







POST-WORKOUT NUTRITION CAN HELP:

- 1. "Rehydrate" (lost fluids)
- 2. "Replenish" lost energy stores (carbohydrates)
- 3. **"Repair"** Stop the "destruction" of muscles and start their recovery (proteins)
- 4. Improve future performance (adaptation and progress)





WHAT DO U NEED AFTER TRANING?

REPAIR > REHYDRATE > REPLENISH







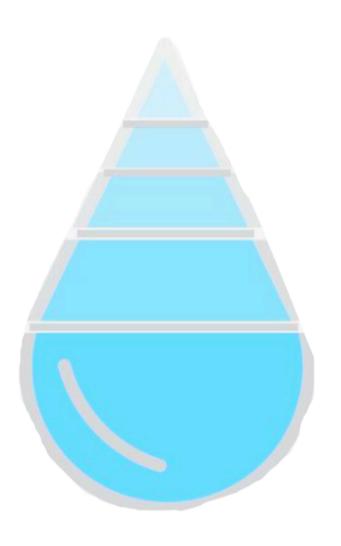
WHAT COULD BE EVEN MORE IMPORTANT THAN FOOD??







SWEAT IS NOT JUST WATER!







SWEAT IS NOT JUST WATER!

Calcium (0-120 mg/L)

Magnesium (0-36 mg/L)

They ensure muscle activity. Losses are low. It is enough to consume in a regular meal / after exercise.



Potassium

(160-390 mg/L)

Chlorides (710 - 2840 mg/L)

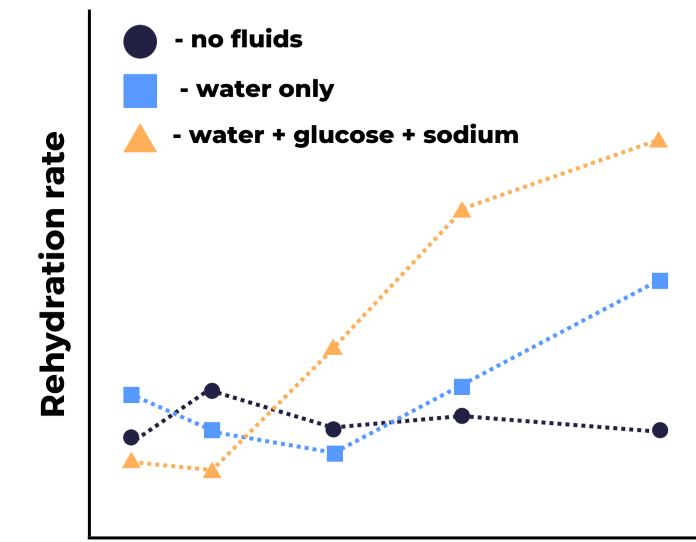
> Sodium (460-1840 mg/L)

Sodium, chlorides and potassium together regulate and maintain fluid balance, muscle tension, blood pressure and others. Topping up even during performance.





PLAIN WATER IS NOT ENOUGH











HOME MADE SPORTS DRINK?

Sodium / Chlorides
Potasium
Glucose (carbs)





HOME MADE SPORTS DRINK?

Sodium / Chlorides
Potasium
Glucose (carbs)



Pinch of salt



Cup of juice



Cup of water



Pinch of salt



Lemon juice



Spoon of honey







HOME MADE SPORTS DRINK?

Sodium / Chlorides
Potasium
Glucose (carbs)

Anything more is just empty marketing



Pinch of salt



Cup of juice



Cup of water



Pinch of salt



Lemon juice



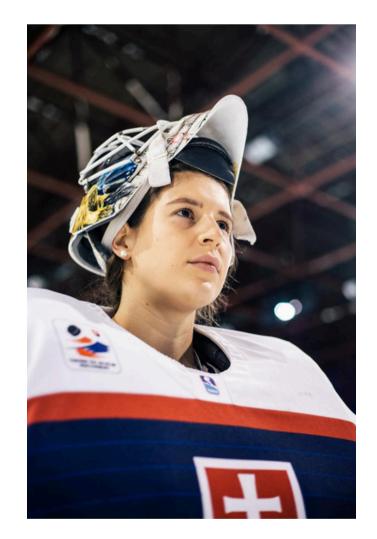
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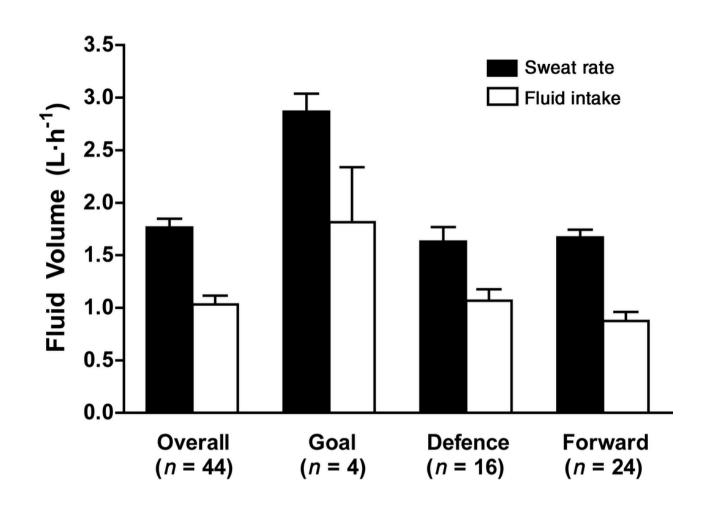






BIGGEST RISKS OF DEHYDRATION?





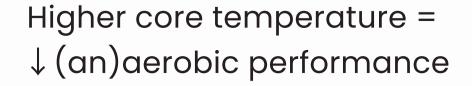




BIGGEST RISKS OF DEHYDRATION?









Lower BP / Higher HR with the same training load / intensity

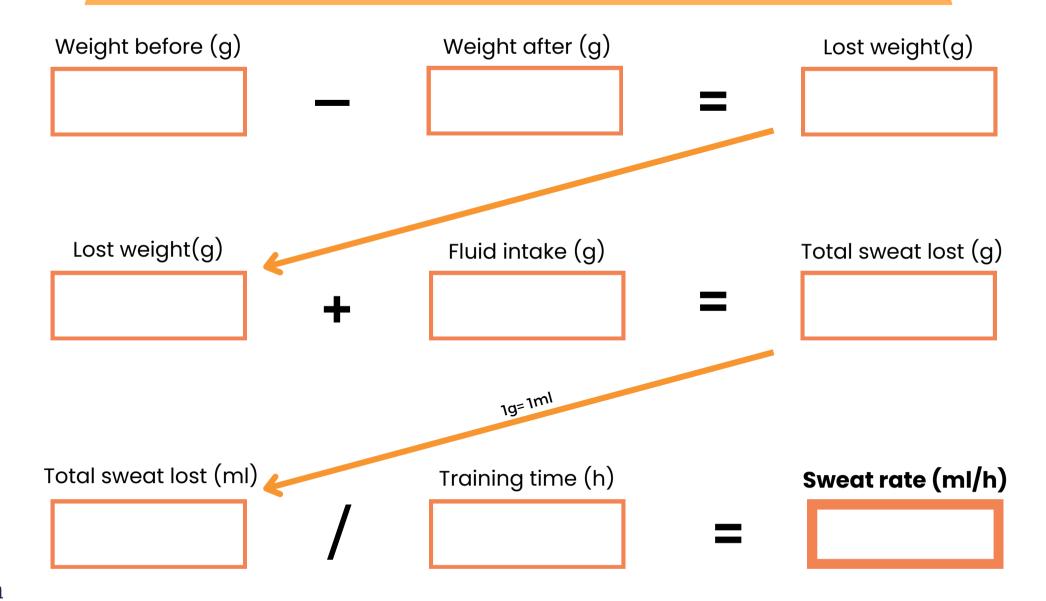


↑ Reaction time, ↓ decision making, ↑ risk of injury





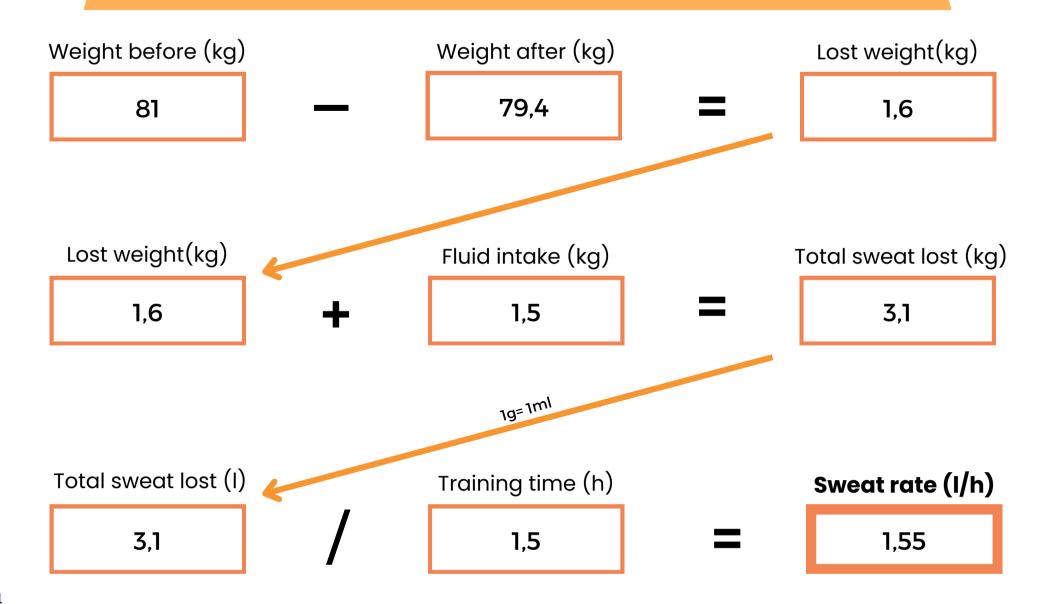
HOW TO AVOID THAT?







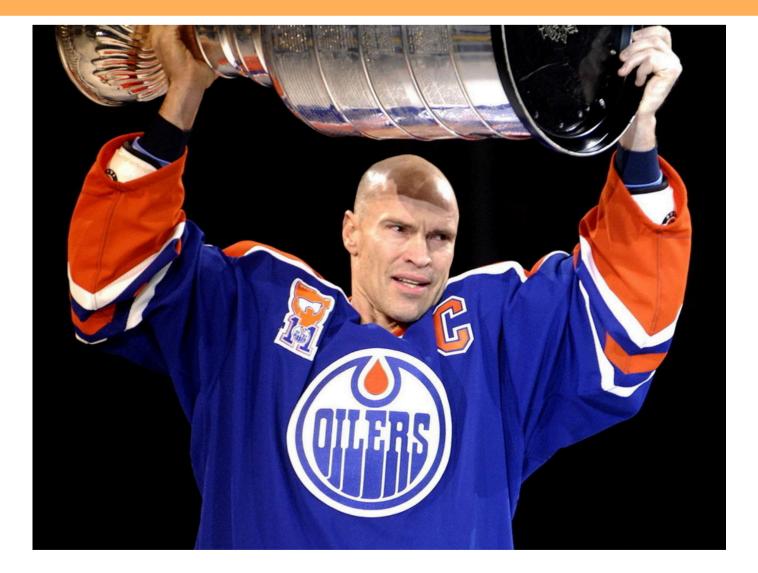
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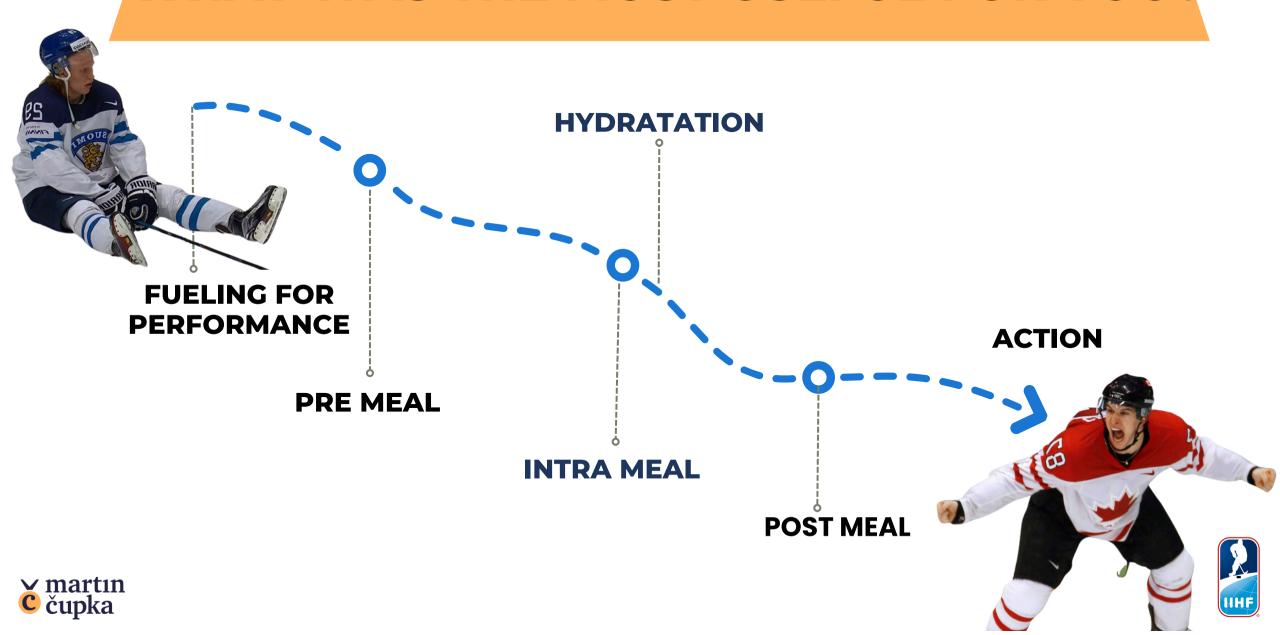
IF MORE INFORMATION WAS THE ANSWER, THEN WE'D ALL BE BILLIONAIRES WITH STANLEY CUPS...



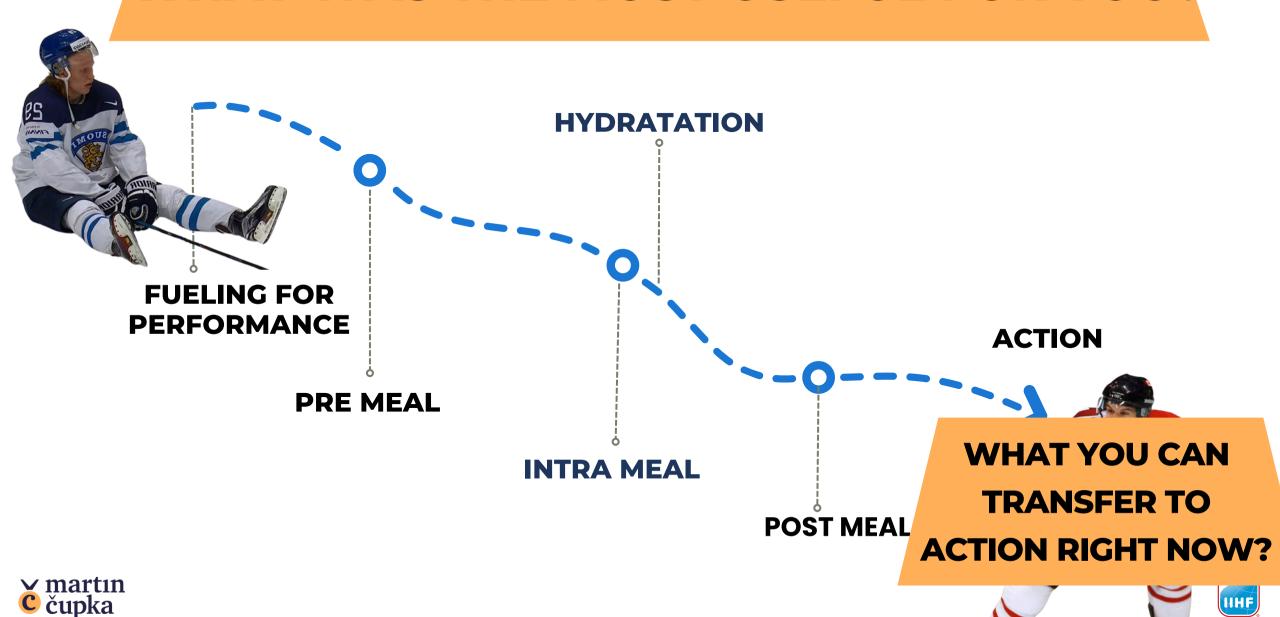




WHAT WAS THE MOST USEFUL FOR YOU?



WHAT WAS THE MOST USEFUL FOR YOU?



QUESTIONS OR COLLABORATION?



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