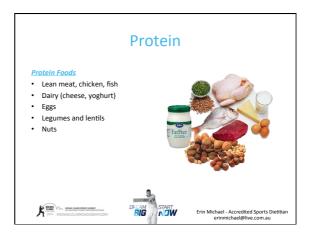


# What to BUY when it comes to carbs... Bread: Choose a wholemeal base with wholegrains added (bits you can see) Look for whole wheat flour as first ingredient Rice/Pasta/Noodles Go for brown rice or brown basmati, basmati rice. Jasmine rice (Thai) is high Gi - not the best 'everyday' rice Wholemeal pasta = more fibre Quinoa (pronounced keen-wa) high protein grain/rice substitute Breakfast cereals: Choose ones with wholegrains and fibre, less processed (not puffed) eg. oats/ m Legumes: Canned chickpeas, 4 bean mix, red kidney beans, lentils = Easy, cheap. (rinse) Biscults/Crackers: Choose crackers that have grainy bits you can see/wholemeal/high fibre Rice crackers/ cakes with protein toppings (cheese, tuna, chicken etc)



### **Protein**

- Building blocks for muscle building and repair, immune system, metabolism
- Full factor
- Main source of iron, zinc and calcium
- Most athletes eat enough protein by naturally eating a healthy balanced diet that is higher in energy than sedentary people.
- Timing is important eg. Protein rich snack before/immediately after training (<20mins) can help maximise muscle adaptation</li>
- Research shows best to spread intake evenly throughout the day, rather than one big load (eg. 20g at each main meal)





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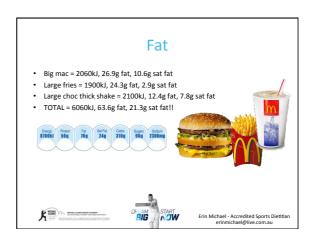
### Fat

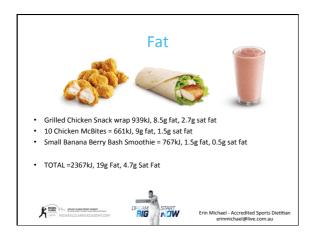
- · Small amounts needed for essential body functions
- Every cell membrane in our body is lined by a fat membrane. Fat is also essential for nerve conduction and insulation.
- We also use fat for energy
- Fat under the skin protect our vital organs
- Important to make sensible choices to avoid excessive intakes

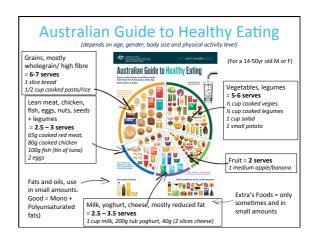




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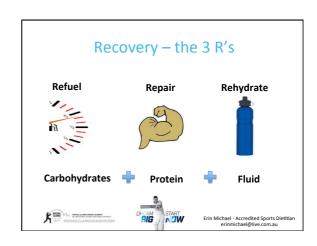


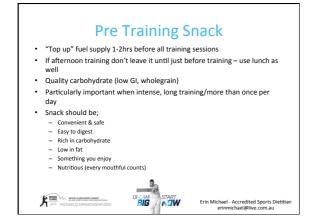


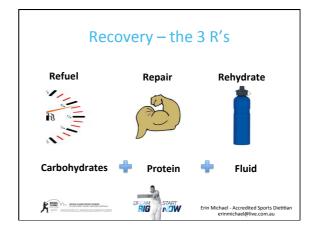


# The Michael Clarke Way Correct diet and nutrition is extremely important The fuel that you put into your body plays a huge role. Maximum input will give you maximum output Basic philosophy Try to eat good foods, consistently Eat as many vegetables/fruit/salad as possible, as often as possible Eat whatever protein that you enjoy – red meat, chicken or fish Healthy foods are the simple ones 3 meals a day with a couple of healthy snacks









### **Post Training Snack**

- · Carbs and protein together is best
- Carbohydrate can help to reduce fatigue and illness by aiding recovery after
- Eat for your training intensity. If you are not training, or very light/skills training you may not need that 'extra' pre- or post- training snack







### **Group Activity: Label Reading**

Identify 5 snacks that YOU would enjoy eating as a pre- or post- training

The catch: must contain close to 10g of protein and no more than 1000kJ (or less)

- Look at serve column (but also refer to manufacturer specified serve size vs. how much you are going to eat)
- 100g is good for comparing foods





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### What about gym sessions?

- 1. Hard work in the gym!!
- Always have a carbohydrate containing snack before training
- Recover with carbohydrates and protein after training (20mins snack window or 1hr main meal)
  - Only need ~15-20g protein

    - Up&Go EnergizeSirena Microwave Tuna & rice
    - Sirena Microwave Luna & rice
       1 x wholegrain toast + peanut butter + small tub yoghurt
       Small tin tuna/chicken + 4 vitaweat crispbreads
       John West Tuna & Beans
       Ham, cheese & tomato toasted sandwich
       Chobani yoghurt + 15 almonds
  - Muscle repair and resynthesis from weight training occurs for 24-48 hours after session regular spread of protein throughout the day important.
  - No need for protein powders or supplements when there is access to healthy whole foods

### Post-gym smoothie

~20g protein

PLUS healthy carbs PLUS antioxidants PLUS fibre

PLUS flavour!

and more....

PLLIS vitamins + minerals

- 1 cup reduced fat milk
- 3-4TB natural yoghurt
- 1 frozen banana OR ½ cup frozen berries
- 2 teaspoons honey
- ¼ cup oats
- Cold water to desired consistency
- OPTIONAL 'add ins'
- 2 tablespoons skim milk powder = 6g protein
- Small handful almonds = 5g protein
- 1 raw egg (optional) = 7g protein





### **HOT TOPIC – Supplements**

- High Risk: health food 'energy' smoothie blends, herbals and botanicals, proprietary blends, pre-workout, poly supplements
- Small but REAL risk of testing positive to a banned substance as a result of taking supplements and sports foods
- Small gains do not add up to super gains
- · Commercial opportunity vs Performance outcome
- ASADA stats (2012) over 6,000 tests, 69 positives

  - Mostly inadvertent
     Almost all were powder in a drink
     Many didn't think it was a supplement
  - · Didn't check the label

  - Didn't check the label
     Low grade banned stimulants have been found in appetite suppressants
     Jack 3d, Methylhexanamine (geranuim oil/geranium), 18 athletes tested positive

## Recovery – the 3 R's







Carbohydrates



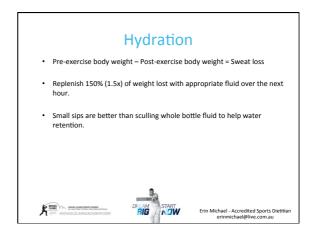
Protein



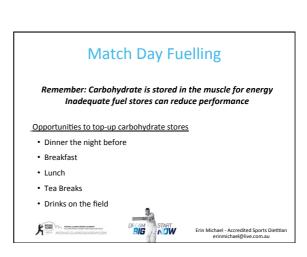
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Fluid

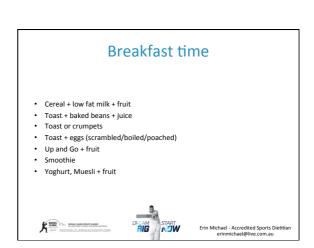












## **During Play**

- Make the most of opportunities to consume fluids
  - - If your fuel needs are high enough you may benefit from the additional carbohydrate in sports drink
- · Choose wisely with snack options
  - Good snack options: Cereal bars, fruit, yoghurt
  - Poor snack options: Lollies, chocolate, soft drink, chips





### If your team is batting

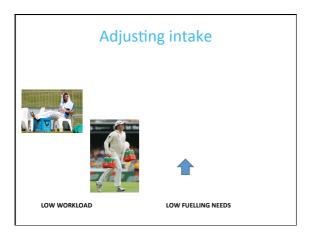
- Avoid unnecessary all day grazing
- · Highest fuelling needs
  - Those at the crease and those higher up the order
- Lower fuelling needs
  - Those batting in the bottom half of the order
- Adjust your carbohydrate intake at meal breaks based on your workload in







### During Match/Training 'top up' options Good carb options: - Cereal bars - Fruit - Sports drink (also gives fluid) Not great carb choices: Lollies Soft drink - Energy drinks No need to take fancy carbohydrate supplements (eg. gels/ bars)



## Summary

BIG START

- Food gives us the energy we need for growth and playing sport

   The right food choices help us play well and develop

- Food/drink can provide adequate carbs

- Poor food choices leave us tired and more likely to get sick
- Remember to turn up ready to go at training

  - Carbohydrate snack before
     Don't forget your water bottle
- Kick start recovery as soon as possible after training/matches
  - Quality Carbohydrates (not white, processed junk, not lollies/soft drink)
     Protein (10-20g)

  - Hydration (replace 1.5x body weight loss)







