Mission POSSIBLE: Managing Glucose During Sports & Exercise

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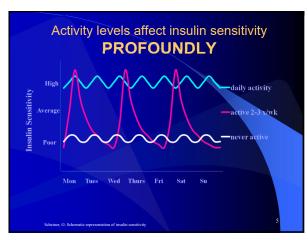


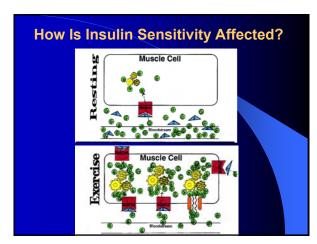
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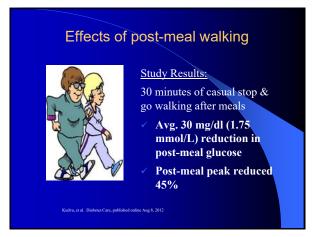
Objectives

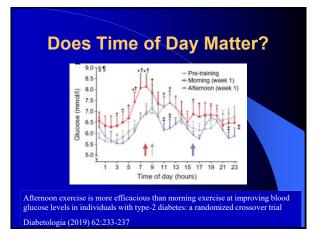
- Explain the two-way relationship between glucose control and physical activity in people with diabetes
- Offer practical recommendations for the prevention of hypoglycemia during and after exercise
- Offer practical recommendations for the prevention of hyperglycemia and ketosis during exercise

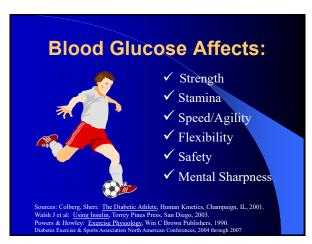


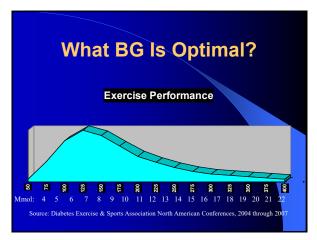


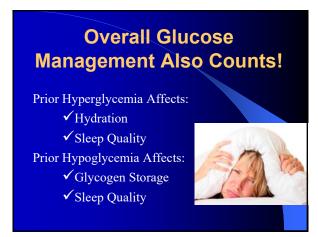


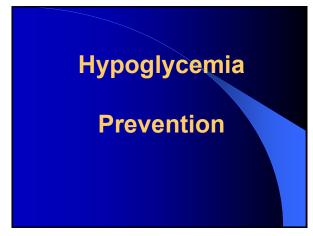


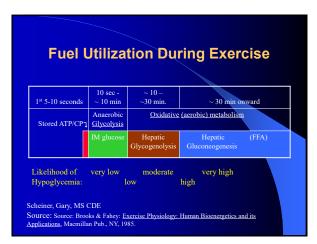


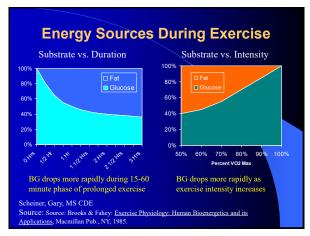




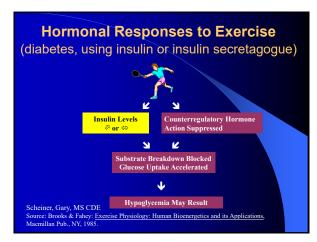




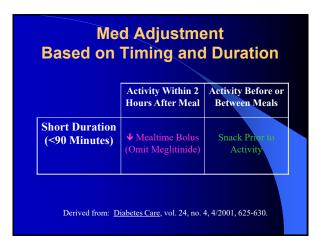




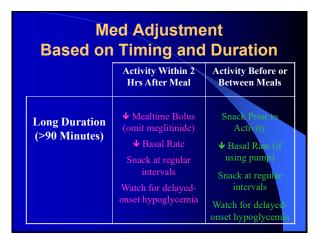


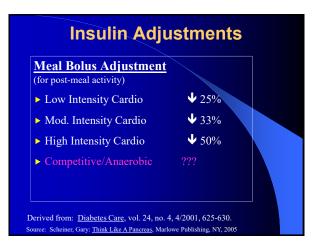


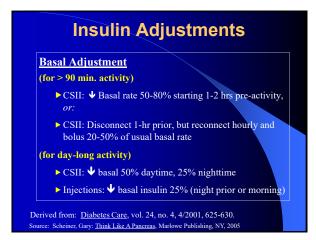


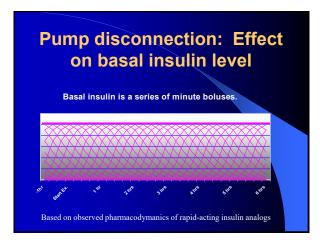


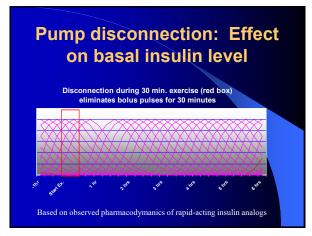


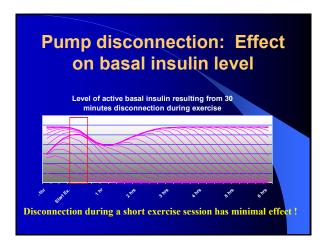


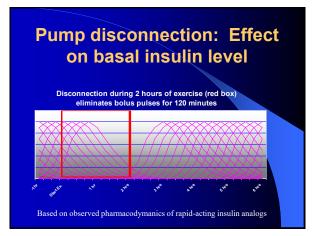


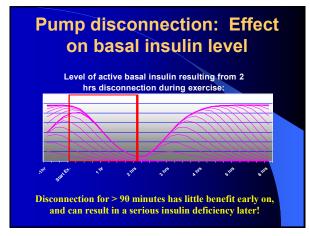


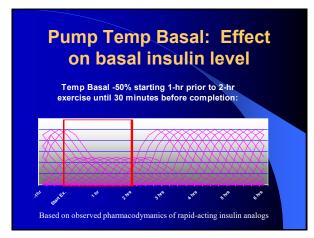


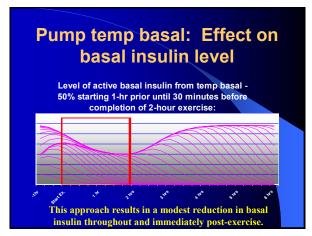






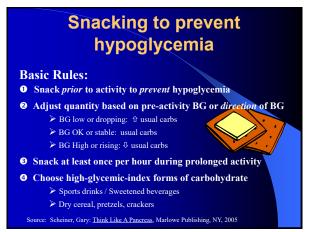


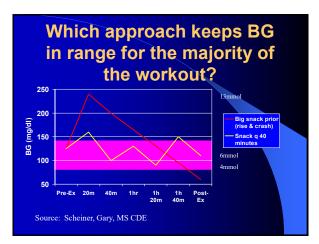






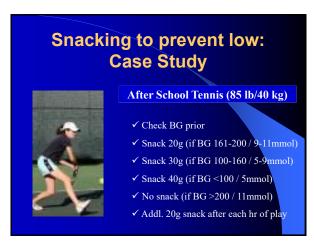




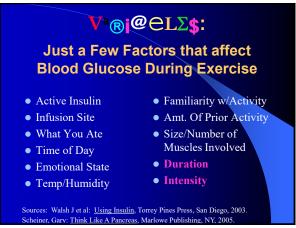


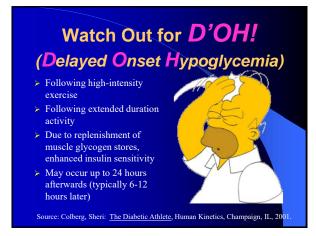
	Carbohydrate Requirement Per 60 Minutes of Activity (if no insulin adjustments are made)						
	50 lbs (24 kg)	100 lbs (48 kg)	150 lbs (71 kg)	200 lbs (95 kg)	250 lbs (119 kg)		
Dancing or Gymnastics	8-12g	17-23g	25-35g	34-46g	42-57g		
Tennis (singles)	18-22g	37-43g	55-65g	74-86g	92-107g		
Swimming (fast pace)	22-25g	44-50g	65-75g	88-100g	110-125g		

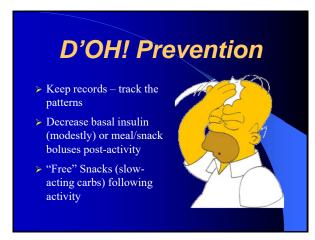
	Carbohydrate Requirement Per 60 Minutes of Activity (if no insulin adjustments are made)						
	50 lbs (24 kg)	100 lbs (48 kg)	150 lbs (71 kg)	200 lbs (95 kg)	250 lbs (119 kg)		
Cleaning Up	3-7g	7-13g	10-20g	14-26g	17-32g		
Brisk Walking (mall/theme park)	8-12g	17-23g	25-35g	34-46g	42-57g		
Mowing (push-mower)	13-17g	27-33g	40-50g	54-66g	67-82g		



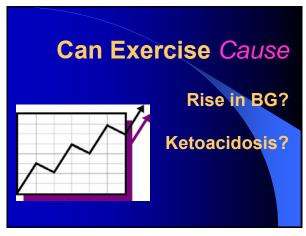




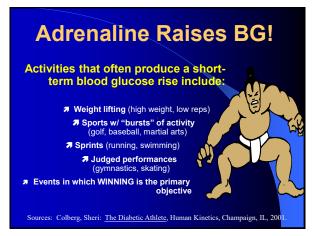












Preventing / Offsetting BG Rise Keep Records to determine avg. BG rise Check BG 30-60 Min. Pre-Activity Bolus 30-60 min. prior to activity to offset rise (give 50% of usual amount required) Take 50% of Usual "Correction Dose" If High (reduce based on insulin-on-board) Sources: Scheiner, Gary: Think Like A Pancreas. DaCapo Press, 2012



Post-Workout Rise?

Possible Causes:

- Pump suspension / disconnection
- Delayed food digestion
- Excess carbs during workout
- Latent stress hormones

Possible Solutions:

- Post-workout bolus
- Delay all (or part) of meal bolus
- Limit suspension / disconnection time
- Appropriate carb supplementation

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