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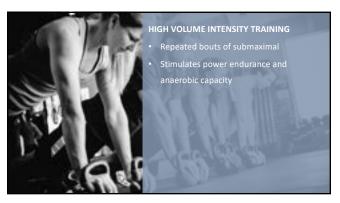
Types of workouts • Cycling • Boxing • Bodyweight • Bootcamps • Resistance Rowing

3

HIGH INTENSITY INTERVAL TRAINING Repeated bouts of maximal to near \geq 80% of peak or maximum heart rate Optimal rest or active recovery between Optimal rest for peak effort is dictated by pH buffering

Fast glycolytic (75-90% effort) can only be sustained 2-3 min Fast glycolytic work:rest ratio 1:2 or 1:3 2:1 with 2-3 min rest every 3 sets

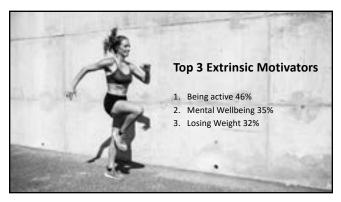
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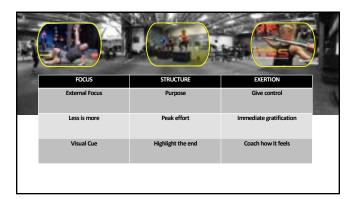


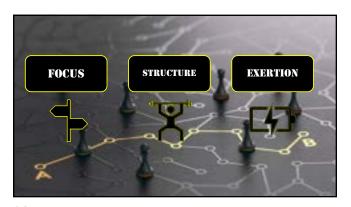


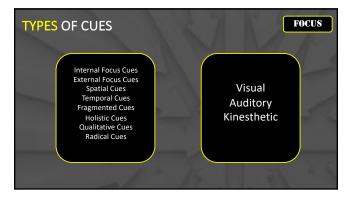


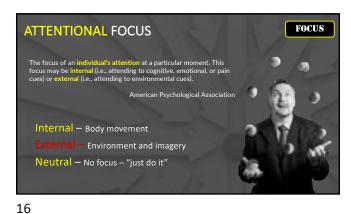


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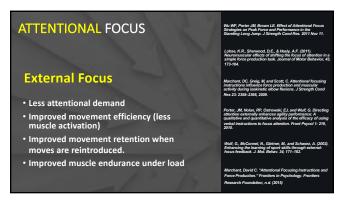


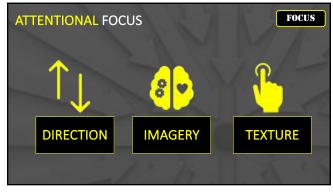




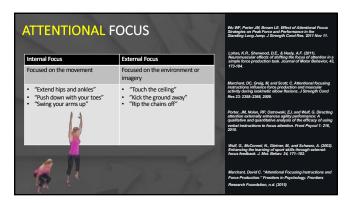


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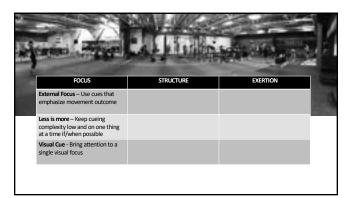
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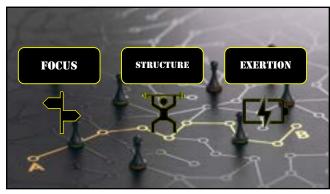




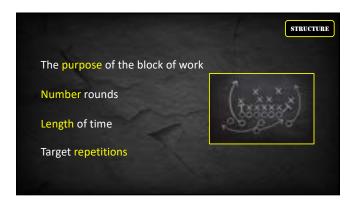


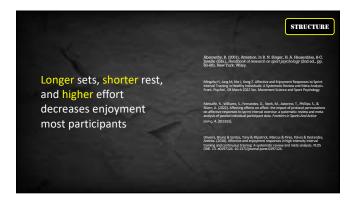






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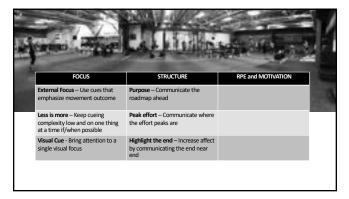


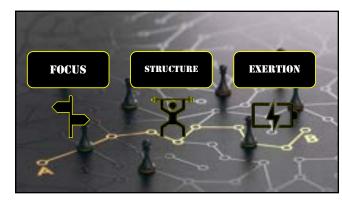




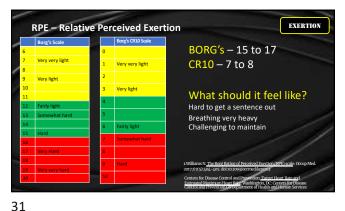


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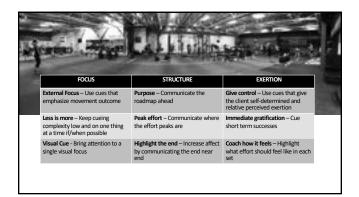














Cueing the HIIT Session

IDEA World Conference 2022 July 21, 2022

Sheldon McBee, MS
Executive Director
Universal Athletic Club
sheldonm@universalathleticclub.com

High Intensity Interval Training (HIIT) continues to be a popular method of exercise for fitness consumers. Since 2014, HIIT has remained in the top 10 of worldwide fitness trends according ACSM's global survey of health and fitness professionals. HIIT can be defined as repeated exercise bouts of maximal to near maximal effort sets with strategic rest that optimizes peak performance for subsequent sets. It is important to distinguish HIIT versus high volume interval training (HVIT) sets which feature near maximal to sub-maximal effort sets with shorter recovery. HVIT is unique in that it enhances power endurance and anaerobic capacity with the increased risk of decreased performance and injury.

HIIT is well documented to have a host of benefits for a wide variety of participants. These benefits are comparable and may even exceed that of moderate intensity exercise efforts. This includes improved insulin sensitivity, time efficiency, improved VO2, improved substrate metabolism, improved cognitive function, and improved fat free mass. Research also supports that, with proper effort and work to rest ratios, HIIT is more enjoyable for participants than moderate intensity exercise for longer duration.

Coaching and cueing HIIT comes with the challenge for the instructor as it calls for coaching people through very high effort sets while maximizing enjoyment, adherence, and positive mood. Currently there is no defined model for cueing a HIIT session. This presentation proposes tips that can enhance cueing and coaching using best practices and research.

FOCUS

- **Emphasize external focused cues** These cues emphasize the outcome of the movement pattern. They can be created by using visual, auditory, or kinesthetic cues that emphasis a direction, imagery, or movement texture.
 - For example: Mountain climber "slice the air underneath you!", "corkscrew into the ground", "push the sled across the room"
- Use visual cues, low complex sentences, and one focus to minimize dual tasking

STRUCTURE

- Research supports that participants mood and enjoyment in HIIT are negatively affected by longer sets, higher effort, and shorter rest period.
- When cueing the HIIT session you can enhance the experience by...
 - o Clearly communicating the roadmap of the intervals and where the efforts are
 - Cueing the end of a timed set as it nears the finish
 - o Highlighting the final block of work so participants can manage their effort

EXERTION

- Exertion can be managed with wearable technology and relative perceived exertion. As noted earlier higher effort may be associated with discomfort and negative attitude towards HIIT, especially for deconditioned participants.
- There are three great tips you can apply to help maximize motivation and effort. These are also well documented variables that improve intrinsic motivation.
 - GIVE CONTROL Focus on cues that offer participants the choice of patterns, regressions, self-determined rest if needed.
 - SELF-EFFICACY Use cues that identify immediate gratification, allows participants to self-identify perceived exertion, and feel rewarded for effort and small improvements.
 - COMMUNITY Initial output and relative perceived exertion are improved when there is social support and disassociating attention stimuli. If possible, arrange participants to safely interact. Using music, sound triggers, and motivating visual stimuli can effectively manage perceived exertion and enjoyment.

FOCUS	STRUCTURE	EXERTION
External Focus – Use cues that emphasize movement outcome	Purpose – Communicate the roadmap ahead	Give control – Use cues that give the client self-determined and relative perceived exertion
Less is more – Keep cueing complexity low and on one thing at a time if/when possible	Peak effort – Communicate where the effort peaks are	Immediate gratification – Cue short term successes
Visual Cue - Bring attention to a single visual focus	Highlight the end – Increase affect by communicating the end near end	Coach how it feels – Highlight what effort should feel like in each set

If there are one to two aspects of cueing the HIIT session that you can improve on indicate this below. How can you practice to improve through practice, client feedback, and peer to peer development?							