

## How to prevent injuries: preparing the body

(warm-up, nutrition, sleep and stress management)

Amanda Stukey, PT, DPT, SCS



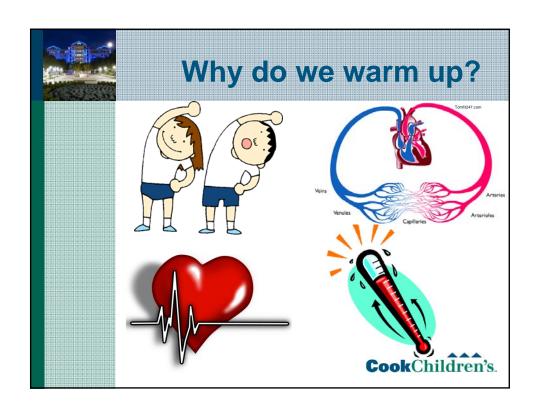


## **Objectives**

Upon Completion of this course, participants will be able to:

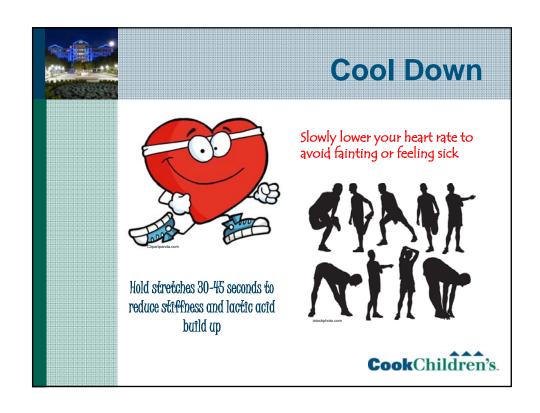
- Articulate what a dynamic warm up is and why it is important for injury prevention
- Define the importance of nutrition in the young athlete and identify best nutrition pre and post activity
- Discuss the importance of adequate sleep hygiene for injury recovery and pain management
- Explain the impact of stress management on overall health and perceived pain.

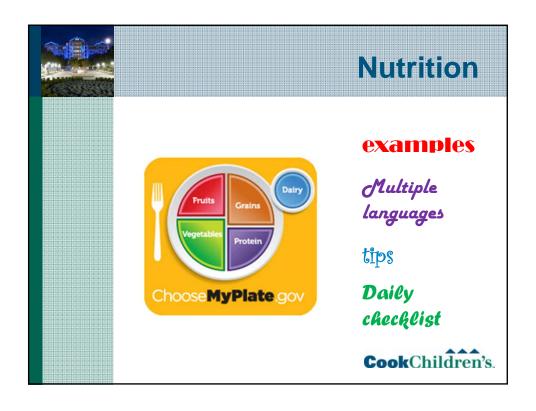


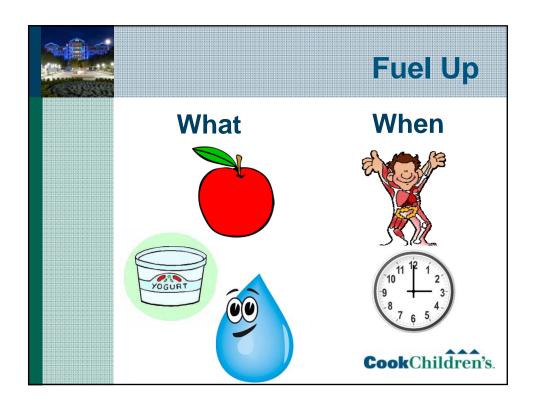




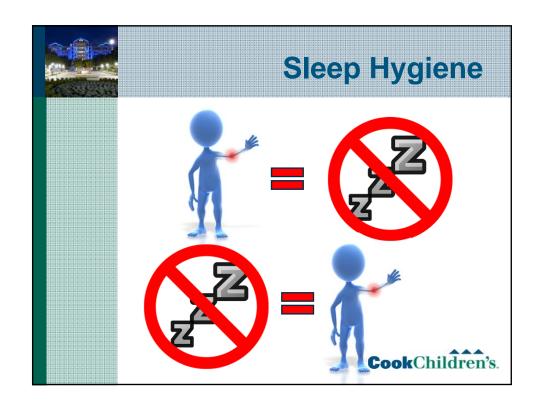


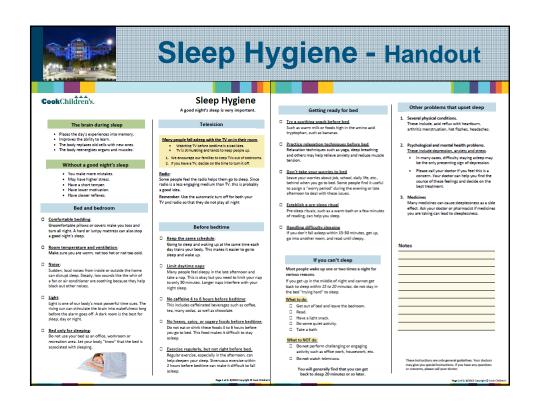


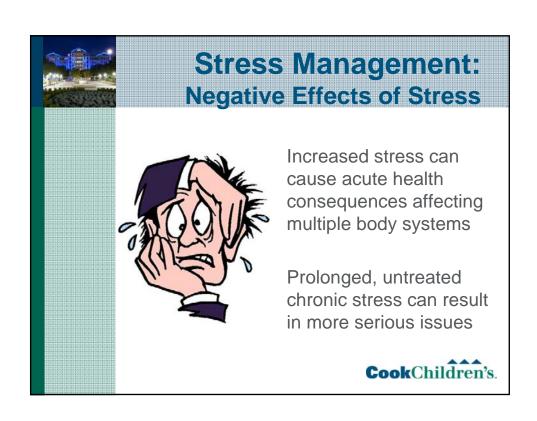


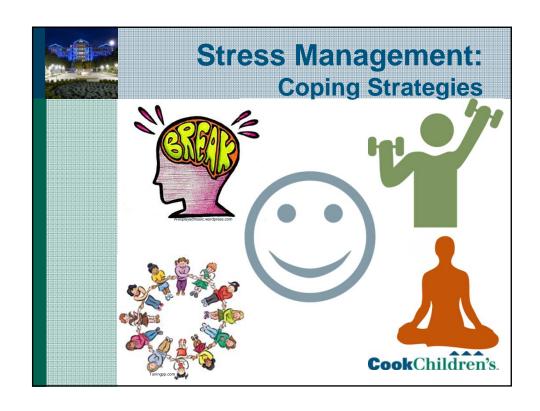


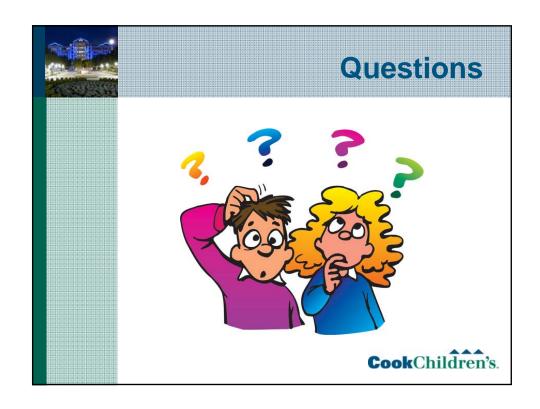














## References

- Cramer, J.T., Housh, T.J., Weir, J.P. et al. The acute effects of static stretching on peak torque, mean power output, electromyography and mechanomyography. Eur J Appl Physiol (2005) 93; 530.
- Simic, L., Sarabon, N., Markovic, G. Does pre-exercise static stretching inhibit maximal muscluar performance? A meta-analytical review. Scan J of Med & Science in Sports (2013) 23(2); 131-148.
- Law, R., Herbert, R. Warm-up reduces delayed-onset muscle soreness but cool-down does not: a randomized controlled trial. Aust J of Physiotherapy (2007) 53(2); 91-95.
- Soligard, T., Mykelbust, G., Steffen, K., et al. Comprehensive warm-up programme to prevent injuries in young female footballers: cluster randomised controlled trial. BMJ 2008: 337
- McMillian, D.; Moore, J.; Halter, B.; Taylor, D. Dynamic vs. static-stretching warm up: The effect on power and agility performance. Journal of Strength & Conditioning Research: August 2006.ORIGINAL RESEARCH: PDF Only\
- https://www.adaa.org/understanding-anxiety/related-illnesses/other-related-conditions/stress/physical-activity-reduces-st
- http://www.nsmi.org.uk/articles/injury-prevention/warming-up.html
- http://www.heart.org/HEARTORG/HealthyLiving/PhysicalActivity/FitnessBasics/Warm -Up-Cool-Down\_UCM\_430168\_Article.jsp#.WRHf0ld1rlU
- Choosemyplate.gov
- http://www.apa.org/helpcenter/manage-stress.aspx

