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ERGONOMICS & MUSCLE PHYSIOLOGY AS APPLIED TO CYCLING



L THERAPY

- As with anything exercise has risks and benefits. When starting a new exercise program it is recommended that guidance is sought to identify the risk vs. the benefits. A good place to start is with PAR-Q self assessment. PAR-Q is available online at: http://www.csep.ca/cmfiles/publications/parq/par-q.pdf The PAR-Q may indicate that you check with your physician prior to starting a new exercise program. In such cases this is highly recommended.
- The following information is not meant to replace professional guidance for exercise. No warranties are expressed with posting this information and should an individual decide to attempt exercises or follow information outline in the following information they do so at their own risk. Individuals understand that the information is general and may not be appropriate for any specific individual.



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Learning ObjectivesThe learner will Have a basic knowledge of muscle fiber type. Have a basic knowledge of muscle contraction type. Become familiar with which muscle become tight and which inhibited in general and specifically with cycling. Become familiar with the primary muscles involved with an affected by cycling. Using above combination of factors understand the science behind a cycling specific exercise program.



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Cycling Muscles



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Tight

- Neck Extensors/Upper Trapezius
- Pectorals
- Low back long extensors
- Hip flexors
- Hamstrings
- Tensor Fascia Lata/ITB
- Calf/Gastroc

Inhibited

- Deep Neck Flexors
- Lower rhomboids/Lower Traps
- Low back short stabilizers
- Transverse abdominals
- Glut Max/Quadriceps
- Glut Med
- Pretibial/Anterior Tibialis

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