

Nutrition reminders
prior to training or
racting

Pre-Exercise- tops off
cho (carbohydrates)
stores and spanss muscle glycogen:

1) Do not eat a full meal
2-3 hours before exeracising. 20 – 30 minutes before you exercise:
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3- Solid Intake. 300500 mil. 10-1602 of
carbohydrate dmin.
New photoshould cortain 30 -50;
gm of carbohydrates, proten and fats. Banaie
and Peanut butter,
bagel and peanu





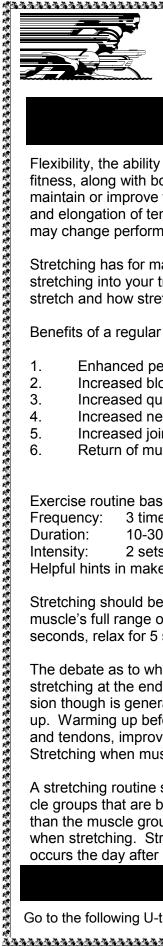
Running Mechanics

Enhancing Biomechanics – Upper Body
Shoulders relaxed — 10 Pi
Arms the note of 10 Pi
Arms the note of 10 Pi
Arms the note of 10 Pi
Arms the held relaxed — not a clenched fist, not flopping (polato chip test)
Relaxed face — cheeks and jaw
Eyes looking forward (5 ft)
Running fall — neutral posture
Chin parallel to the ground
Enhancing Biomechanics – Lower Body
Stride Length —
There is not one absolute correct stride length!
Don't want to overstriders)
From the fall armshood of the arm that is stain in that is position in thort of you. Once the arm that is staing the stroke enters the waters and meets up hand to hand with the arm that is position in thort of you. Once the arm that is staing the stroke enters the waters and meets up hand to hand with the arm that is position in thort of you. Once the arm that is taking the stroke enters the waters and meets up hand to hand with the arm that is position in thort of you. Once the arm that is taking the stroke enters the waters and meets up hand to hand with the arm that is position in thort of you. Once the arm that is taking the stroke enters the waters and meets up hand to hand with the arm that is position in thort of you. Once the arm that is taking the stroke enters the waters and meets up hand to hand with the arm that is position in thort of you. Once the arm that is taking the stroke enters the waters and meets up hand to hand with the arm that is position in thort of you. Once the arm that is taking the stroke enters the water. Once the the forward arm drop, particularly at the elbow. As you are swimming breforming this drill to keep high body position in the water. On one to the forward met do you stroke during any 2-5 yard length. This drill is best done in 50-yard increments followed by 50 yards of traditional swimming.

Workout Nutrition part 2 of 3

During Exercise maintains blood glucose levels, sparses muscle glycogen, maintains electrolyte and water balance and regulates body temperature

Fluid Intake. 500-1000 ml or 16-320z, every



WCCTC Tri News

Stretching: The neglected step child

Flexibility, the ability to move your joints through their full range of motion, is one of the key elements of fitness, along with body composition, cardiovascular endurance and muscle strength. The way to maintain or improve flexibility is to stretch. Numerous studies have shown that the muscle elasticity and elongation of tendons/ligaments gained by stretching increases the range of motion of joints and may change performance.

Stretching has for many years had a been the most neglected of all the areas of fitness. Incorporating stretching into your training comes about by enhancing your knowledge of the most productive ways to stretch and how stretching can benefit you, particularly in ways that are not readily apparent.

Benefits of a regular stretching routine

- Enhanced performance and decreased risk of injury 1.
- 2. Increased blood supply and nutrients to joint structures
- 3. Increased quantity of synovial joint fluid (oil in the crank case)
- 4. Increased neuromuscular coordination and reduced muscular tightness
- 5. Increased joint mobility
- Return of muscle to natural resting state 6.

Exercise routine basics

Frequency: 3 times per week (minimum). Better done after every workout

Duration:

Intensity: 2 sets of 20 seconds. Hold each stretch, do not bounce, the stretch should be static Helpful hints in make your program safe and enjoyable:

Stretching should be completed statically. Static stretching calls for gradually stretching through a muscle's full range of motion until you feel resistance or mild discomfort. Hold that position for 20-30 seconds, relax for 5 seconds and repeat the movement 1-2 more times.

The debate as to when to perform a stretching routine is controversial. It is generally agreed upon that stretching at the end of a exercise session will greatly benefit you. Stretching before an exercise session though is generally not recommended unless it is preceded by a 5-minute cardiovascular warmup. Warming up before stretching increases the blood flow and temperature of the muscles, ligaments and tendons, improving the elasticity and optimal functioning of the muscles and connective tissue. Stretching when muscles that are cold could lead to a strain or pull.

A stretching routine should cover all the major muscle groups of the body as well as any specific muscle groups that are being utilized in a sport or activity. The movement of other areas of the body, other than the muscle group being stretched, should be minimized. Maintain a regular breathing pattern when stretching. Stretching will not head off delayed-onset muscle soreness - the kind that generally occurs the day after unaccustomed strenuous exercise.

Changing a flat tire

Go to the following U-tube link for flat tire changing demo: http://www.youtube.com/watch?v=i5K-DXt9djA















Stretching Exercises

Pectorals

Lying on your back place knees bent, clasp your arms belind our head with ebows facing the ceiling, Press the eibows into the foor and keep the eibows into the foor and keep the eibows touching he foor. Hold and

Pull arm across chest until stretch is felt. Turn head away from the pulling arm.

Pull arm across chest until stretch is felt. Turn head away from the pulling arm.

Pull arm across chest until stretch is felt. Turn head against right thigh, lam forward and special to felt. Repeat on opposite leg.

With right leg straight out in front of you and left feet your felt is felt. Repeat on opposite is governed to the pulling arm.

String area. Repeat on other leg.

Sitting – knees spread against right why your right ama dright bent leg.

Sitting – knees spread against right why your right ama dright bent leg.

Sitting – knees spread against right why your right ama dright bent leg.

Sitting – knees spread against right by roling side to side.

On your beak pull your left knee into your leads the side in foor pull leg towards flooriopposite shoulder until stretch is felt. Repeat on opposite leg.

On your beak pull your left knee into your leads with one or pull the right and your head with side. Repeat on opposite leg.

Thigh/Quadricep

While standing, hold on to something firm if needed. Pull the right anke behind you then bend forward and open up the hip to stretch the thigh. Repeat on opposite leg.

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Pectorals

Lying on your hack piece, knees bent, clasp your arms behind our head with elbows facing the ceining. Piece your arm at shoulder height in the doorway aright angle as shown. Piece on foot in front and one behind for stability. Keep your shoulder be floor and keep the elbows touching he floor. Hold and

Shoulder

Pull arm across chest until stetch is felt. Turn head away from the pulling arm.

Pull arm across chest until stetch is felt. Turn head away from the pulling arm.

Pull arm across chest until stetch is felt. Turn head away from the pulling arm.

Repeat with other arm.

Inner Thigh/Groin

Hips, Upper Hamstrings and Low back

With right leg straight out in front of you and left foot placed against right thing, less inforced until stetch is felt. Turn head away from the pulling arm. Repeat with other arm.

Inner Thigh/Groin

While sitting on a form roller and the foot placed against fight thing, less inforced until stetch is felt. Turn head away from the pulling arm. Repeat with other arm.

Inner Thigh/Groin

While sitting on a form roller and proper have a strength of the properties of the pulling arm. Repeat on other leg.

Sitting – knees spread agant to the feet and died and upper ham the ground is like.

On your best feeling the stretch in the upper hamstringglutes. Hold, then keeping shoulders fare of notice pulling towards floorityoposite shoulder until stretch is like.

Thigh/Quadricen

While standing, hold on to something firm if needed. Pull the right ankle behind you then bend forward and open up the hip to stretch the thigh. Repeat on opposite leg.

While standing, hold on to something firm if needed. Pull the right ankle behind you then bend forward and open up the hip to stretch the thigh. Repeat on opposite leg.











NCCTC Tri News

Cycling Drill

Freestyle Stroke Phases part 2 of 5

Cycling drills are designed to improve your pedaling efficiency by improving your neuromuscular engagement during each pedal stroke. Considering you pedal 4800 times every hour on each leg even just the smallest improvement can make a big difference in your energy consumption. The following drill should be incorporated into your training throughout the season emphasized more during the base and building phases of your training.

Slow Frequency Repetition (SFR) -

- Drill: Uphill reps at 40 50 rpm, HR at medium endurance or as indicated.
- Position: In the saddle, focusing on the working muscles, and maintaining a good pedal stroke.
- Time: Start with 1 min and increase by 30 seconds every week up to 4 - 5 minutes. Recover for 2-2.5 minutes.
- Reps: Start with 6 and build up to 10. Reps can be broken into 2 sets. Frequency: 1-3 times per week.

In order to better understand stroke mechanics the arm stroke is broken down into 6 different phases - entry, catch, down-sweep, in-sweep, up-sweep and recovery.

Catch Phase: this portion of the stroke allows you to "catch" as much water as possible underneath the fully extended arm and hand. This phase begins with at the point at which the arm is fully extended. At this point flex the wrist slightly downward at the same time bend the elbow and bring the forearm and hand down in a sweeping manner towards the bottom of the pool. It is important to keep the elbow above the forearm. Picture yourself lying flat and having your forearm and hand wrapped over a barrel. This forearm and hand movement acts as the paddle in your stroke, so if they are positioned incorrectly you will sacrifice significant pulling power.

