

Bike to Run Transition figs:

Over-training, Injury Prevention and Injury Diagnosis

Over-training is often the leading component for injury. Over-training is the result of changes in your training regime that your body cannot adapt to and can result in exposal marker (handkerolar, etc.). Remember the marker oy use as abilities for your set piper to the reas and entiry bod for your set piper to the reas and entiry bod for your set piper to the reas and entiry bod for your set piper to the reas and entiry bod for your set piper to the reas and entiry bod for your set piper to the reas and entiry bod for your set piper to the reas and entiry bod for your set piper to the reas and entiry bod for your set piper to the reas and entiry bod for your set piper to the reas and entiry bod for your set piper to the reas and entiry bod for your set piper to the reas and entiry bod for your set piper to the reas and entiry bod for your set piper to the reas and entiry bod for your set piper to the reas and entiry bod for your set piper to your prevent you mentally from completing the training and the triabilities. Injuries spreaments with your coach and stay in the game entalty. Do not let injuries prevent you mentally from completing the training and the triabilities. Injuries prevent you mentally from completing the training and the triabilities. Injuries prevent you mentally from completing the training and the triabilities. Injuries prevent you mentally from completing the training and the triabilities. Injuries prevent you mentally from completing the training and the triabilities. Injuries prevent you mentally from completing the training and the triabilities. Injuries prevent you mentally from completing the training and the triabilities. Injuries prevent your mentally from completing the training and the triabilities. Injuries prevent your mentally from completing the training and the triabilities. Increased blood flow and the training and the triabilities. Increased blood flow and the training and the triabilities.



Training Intensity

The intensity at which you training varies and it is necessary to monitor that intensity in order to optimize your chances for success. To monitor your intensity there are two methods available to you. First is the perceived exert ton method in which you rate you perception of how hard you are exerting yourself during a run. The acronym for this is RPE (Rating of Perceived Exertion). The scale on which to base your perceptions ranges from 1 - 10. 0 being no perceived exertion and 10 being a very, very strong perception.

The scale can be broken down as follows:

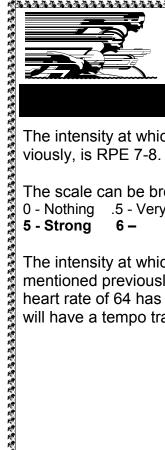
O-Nothing, 5-Very, very, easy 1-Very, easy 2-Easy 3-Moderate 4-Somewhat strong 5-Strong 6-7-Very Strong 8-9-Very, very, strong 10-Maximal

As you have noticed the scale increases non-linearly. Most of your training will have a rating of 3. Training sessions designed to increase stamma will have a rating of 4, training sessions designed to increase expensive the scale of 5-6, training sessions designed to increase stamma will have a rating of 4, training sessions designed to increase expensive will have a rating of 7-6 and training the your heart rate gets. Thus if you have the means of checking your heart rate you can gauge how hard you are working and not have to rely on perception alone. Heart rate monitors are designed to gauge that effort.

Coaches advocate the use of both the RPE and heart rate monitors, which can cost as little as \$45, because they are a good tool to regulate your effort.

Once you have a heart rate monitor it will be necessary to determine your training heart rate zone. The following formula (4) is the most widely used method to determine a running training heart rate zone. The following formula (4) is the most widely used method to determine a running training heart rate zone. The following formula (4) is the most widely used method to determine a running training heart rate zone. The following formula (4) is the most widely used method to determine a running training heart rate zone. The following formula (4

<u>At 70 %</u>	at	<u>80 %</u>
220 - 35 = 185		220 - 35 = 185
185 - 64 = 121		185 - 64 = 121
121 x .7 = 85		121 x .8 = 97
85 + 64 = 149		97 + 64 = 161



WCCTC Tri News

Training Intensity - sample threshold run

The intensity at which you training for a threshold run based one the RPE scale mentioned previously, is RPE 7-8.

The scale can be broken down as follows:

0 - Nothing 3 – Moderate 4 - Somewhat strong .5 - Very, very, easy 1 - Very, easy 2 - Easy 7 – Very Strong 5 - Strong 8— 9 - Very, very, strong 10 - Maximal

The intensity at which you training for threshold workouts, based one the Heart Rate percentage mentioned previously, is 87-92%. For example: a women who is 35 years old, has a resting heart rate of 64 has a training heart rate zone of and will be training between 80 and 85 percent will have a tempo training heart rate zone of 161 – 167:

<u>87 %</u> at	<u>92 %</u>
220 - 35 = 185	220 - 35 = 185
185 - 64 = 121	185 - 64 = 121
121 x .87 = 105	121 x .92= 111
105 + 64 = 169	111 + 64 = 175

Running Drills

#1

Freestyle Stroke Phases part 5 of 5

The aim of this drill is to increase leg turnover and improve As the hand and upper arm move want to start your drill, increase your stride rate so that you brush the outside of the hip joint. The

bows at your side and your forearms at 90 degrees to your the surface. At this point the upper body, palms facing down. Your knees should come up and arm and hand pendulum forward in a

Up-Sweep Phase-

from the in-sweep phase, they push through the water so the thumb could elbow flexes as the shoulder and upper back muscles bring the elbow out of the water, keeping the hand and wrist below the height of the elbow. The heel of the hand should break the surface of the water before the fingertips.

Recovery Phase-

Once the elbow breaks the surface of the water it continues to rise upward until the hand and wrist also break relaxed manner, while the elbow remains high. This follow through sets you up for the entry phase.