The year-around road map

Common mistakes and how to fix your racing season

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The below is a compilation of what is anecdotally quite common training mistakes among cyclists. As well as a few science-based suggestions for how to fix these mistakes.



Post season break

Many riders are blissfully unaware of how quickly their endurance capacity is washed away in the post season break - if you don't take active measures to prevent *detraining*.

Research has shown that riders who undertook an 8 week "break" with 50% of normal training load and low intensity training only were unable to return to their original fitness level after another 16 weeks pre-season training (1). However, adding regular high-intensity intervals to the post-season break made all the difference in maintaining existing capacity.

Reduced training volume and alternative forms of training and/or play are no doubt necessary to allow for a mental break and ensure motivation after along cycling season. However, when training volume is drastically reduced, it becomes all the more important to maintain some high-intensity training to keep total training load from becoming too low.

Base training

If physical capacity is low at the beginning of base training, you don't need a whole lot of training stimulus to improve. As such, lowintensity training and the occasional moderate intensity (threshold) interval might suffice.

However, multiple studies have shown that large volumes of lowintensity training alone isn't very effective in improving endurance capacity when compared with training models including more frequent intervals (2-3).

Therefor, don't be afraid of progressing to high-intensity intervals throughout your base training. The crux is to match the total duration and intensity of the intervals to your current fitness leve. Typically, you might opt for a shorter total duration compared to what you use later on in the season.

Build training

Come spring, sun and snow-free roads, training motivation has a tendency to spike. Many "6-months-a-year-riders" will drastically increase their training load at this stage.

Rapid and large changes in training load greatly increases the chances of injuries and overreaching (4). If you don't have a solid foundation of base training to build on, you are even more at risk of suffering the above.

One thing is for certain, you will NOT enjoy great race shape if you go into overreaching or get injured during spring. If your foundation isn't solid, opt for a more gradual increase in training load, and you might just stand to benefit from being patient.

Or to put it the other way around, make sure you train better next winter, to be sufficiently prepared for the training you want to take on next spring.

Taper

Research reviews on the topic of fitness peaking suggests the biggest performance gains are achieved with relatively large decreases in training load (30-60% reduction in training volume) (5).

In my experience, this is more than most people are aware of.

However, du to the large increase in volume, it is imperative to maintain the frequency of training sessions (80-100% of normal) and the intensity of your intervals (5).

The real-life consequence is that you train just as often, and just as hard, except that session duration is reduced, as well as using fewer interval bouts per session.

In season maintenance of capacity

Frequent tapering will necessarily result in a substantial reduction in training load. Although ensuring short-term race fitness, this will in time result in a loss of endurance capacity.

The key to avoid losing capacity during the racing season is to include training cycles of solid amounts of regular base/build training to maintain a training load that is sufficiently large to keep your physical capacity at a high level.

This can involve taking some weeks completely off racing. Alternatively, you can decide to race during this training, but without tapering before races. You might still be able to pull of some decent results, but you might not experience those super fresh legs that you would expect following a taper. However, sacrificing some races for keeping your training load high will benefit you when you get to bigger and more important races later on in the season.

Best of luck with your year-around-training!

- Martin

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