Clinica Ortopedica e Traumatologica dell'Università di Pavia

Fondazione IRCCS Policlinico S. Matteo

Chairman: Prof. F. Benazzo



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KL SKI







KL SKI WHAT IS IT?

In KL-ski you can become the fastest person on earth not pushed by an engine



S. Origone world fastest man 251,40 km/h

KL SKI

How extreme?

- High Altitudes
- Low temperatures
- Wind
- Funny weather
- Distance from closest hospital
- Difficult movements









ORIGONE BROS

World fastest men:

Simone 251,4 Km/h Ivan 250, 7 Km/h



Ivan: world cup winner 2007/2008 Simone: world cup winner 2004/5 2005/6 2006/7



Everything is prepared to reach the fastest speed...



Skis are 2.38 m tall

- Now there is only one factory that produces them: *ATOMIC*
- Every athlete has at least 5 pairs (one for every race leg)
- Most athletes have one fastest pair that they keep and use for years







...some other times things become "just a bit" more technical

Everything is prepared to reach the fastest speed... It takes about one hour to get dressed...



Race suits are specifically and custom-made They need to become a second skin They are made of most aerodynamic materials



Everything is prepared to reach the fastest speed...

It takes about one hour to get dressed...





Custom (home) made spoilers







Races are scheduled on 2 days

- At least 2 legs for the race to be validated
- At every leg race start is raised of about 20 m (to gain max 20km/m)
- · Ranking is based on the speeds registered on last leg

























CONCLUSIONS

The problem of treating this kind of athletes is strictly related to the sport they perform:

- · Surgical treatment of multiple severes trauma
- Any kind of overuse injury can be dangerous at 250 km/h and must be treated in order to prevent other major injuries
- Consider the environment
- · Consider the athlete and his needs

LES ARCS 2006 Simone Origone 251,40 km/h

