International Paralympic Committee



Anti-Doping Updates in Paralympic Sport

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Important Resources

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Dietary Supplements

•REALIZE there are safety issues with dietary supplements.
•RECOGNIZE risk when you see it.
•REDUCE your risk of testing positive and experiencing health problems by taking concrete steps.



Supplement



Of the supplements USADA tested in collaboration with the DoD:







Catheters – Glycerol-based lubricants

- Glycerol is a prohibited substance
- Unintentional positive tests resulting from glycerol-based lubricants
- Updated IPC Position Statement On the Use of Catheters in Doping Control in January 2015
- Glycerol thresholds recently increased by WADA (Kelly, 2013)
- Consider alternatives which do not include the use of glycerol

Intravenous Infusions





*Exceptions for emergency situations, check the WADA Prohibited List for details.

The Present and Future of the Athlete Biological Passport



Module	BioMarkers	Status
Haematological	Hb, Ret%, Red Blood Cell Indices	2009
Steroidal	Testosterone (T), T/E, A/T, A/Etio,	2014
Endocrine	Growth Factors (IGF-1, PIIIP)	2017?
-Omics	Genomics, proteomics,	?

Source: WADA



Athlete Biological Passport

BMJ 2012;344:e2077 doi: 10.1136/bmj.e2077 (Published 22 May 2012)







Future of Anti-Doping



Dried Blood Spots & Oral Fluid = Less Invasive Sample Collection







Important Reminders

- Health professionals are key players in protecting clean sport
- Awareness of anti-doping rules, athlete's rights and responsibilities is critical
- Work together with athletes and their medical support staff to be knowledgeable on anti-doping matters
- Act as an athlete representative in the doping control sample collection process
- Ask questions
- Encourage clean sport by acting a positive role model



Health Professional Anti-Doping Education



- https://www.wadaama.org/en/resources/education-andawareness/sport-physicians-tool-kitonline-version
- https://med.stanford.edu/cme/courses /online/USADA.html



Paralympic.org

Obrigado!

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