



The Athlete Biological Passport: Shaping the Present and Future of the ABP

Athlete Biological Passport Symposium

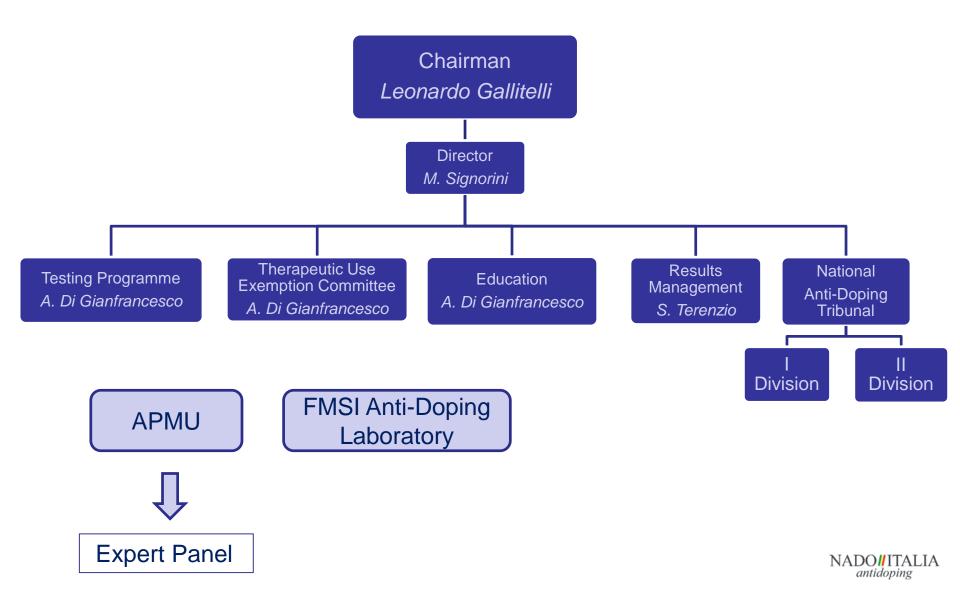
5-7 November 2018 Rome, Italy

The ABP experience from Italy

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NADO Italia organization



Anti-Doping Control Committee

Composition:

- 2 Former Top Level Athletes
- 1 Full Professor of Statistics
- 1 Carabinieri Senior Officer
- 5 Physicians (specialist in sports medicine, haematology, endocrinology)
- Risk assessment
- TDP: *In* Out of Competition
- RTP
- ABP



Athlete biological passport - ABP

STEROIDAL MODULE

- NADO Italia first adopted Steroidal Module;
- GC-C-IRMS on all samples having T/E > 4

HAEMATOLOGICAL MODULE

• Since 2017

Why this choice?

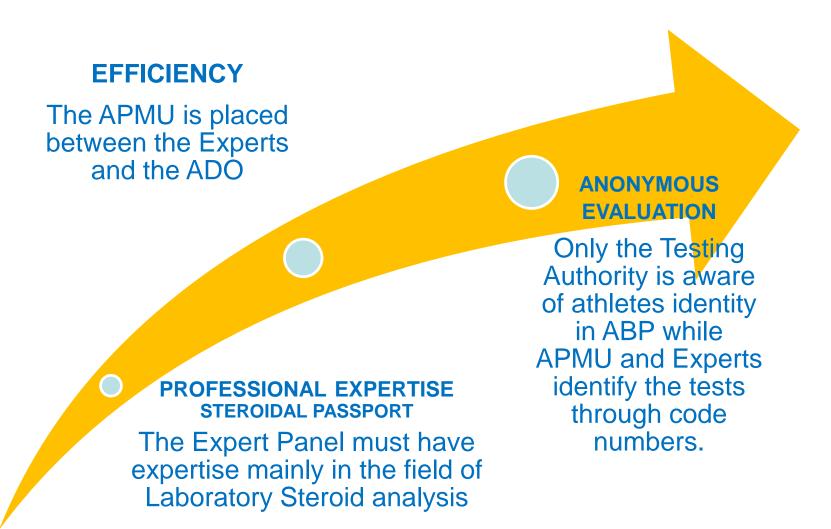
ADAMS

- Italian legislation on data protection and privacy
- Adaptive model fully integrated into ADAMS
- Athlete Passports through ADAMS can be shared and safely stored.

Administrative Organization

- Haematological Module: Experts outside the APMU and the ADO
- Steroidal Module: internal or external APMU

Benefits of an APMU within the Laboratory



ABP Administrative Sequence Chart

The ADO identifies the Athlete of interest for Testing. Athlete Selection The ADO identifies the ideal timing for Sample collection, which could follow the recommendation of the APMU.1 **Timing** of Test The ADO issues a Sample collection request, which includes the type of Sample to be collected (ABP blood and/or urine) based on the recommendations of the APMU. Preferably, the request will be delivered via ADAMS to restrict the Issuing dissemination of this information. Request The Sample Collection Authority accesses the pertinent whereabouts information of the Athlete via ADAMS (for only the period defined by the issuing Accessing organization), and any other relevant *Testing* instructions. W/B The Sample Collection Personnel locate the Athlete and collect the biological Sample(s), following the appropriate protocol. An ABP Supplementary Doping Control form is to be completed as outlined in Annex K - ISTI (Section 3.1 Sample below) where Doping Control includes an ABP blood Sample. Collection For blood *ABP Samples*, the <u>Sample Collection Personnel</u> ensure transport to a <u>Laboratory</u> or <u>WADA-Approved Laboratory</u> for the <u>ABP</u>, in accordance with

Annex K – ISTI (Section 3.1 below). Urine Samples should be rapidly

transported to a Laboratory, with minimal exposure to high temperature.

Transport

of Sample

ADAMS Entry

The <u>Sample Collection Authority</u> or the <u>Sample Collection Personnel</u> shall use its best effort to enter the <u>ABP Doping Control</u> form into <u>ADAMS</u> as soon as practicable. This connects the results of <u>Sample</u> analysis to the <u>Athlete's</u> unique <u>Passport</u>, and links the new <u>Sample</u> data with the <u>Athlete's</u> historical data for review by the <u>APMU</u> and <u>ADO</u>.

Sample Analysis

The <u>Laboratory</u> or <u>WADA-Approved Laboratory for the ABP</u> analyzes the Sample(s) following the established protocol for blood and/or urine, as appropriate (Section 3.2 and/or 3.3, respectively), and reports the biological results in <u>ADAMS</u> without delay.

Passport Updated

Once the new biological data are entered in *ADAMS*, the <u>Adaptive Model</u> in *ADAMS* automatically updates the *Athlete's* Passport.²

APMU Report

The <u>APMU</u> writes or updates the <u>APMU Report</u> in *ADAMS* including a review of the new or updated <u>Passport</u> with recommendations on intelligent *Testing* strategies.

Review process

In the event of an *ATPF* or when a review is otherwise justified, the \underline{APMU} shall proceed with the mandatory steps outlined in Annex L – *ISTI* (see Section 3.4), which includes liaising with the Experts.

NADO Italia ABP

Athlete Selection

- Investigation Carabinieri
- Target testing
- Sharing information

Sample collection

DCOs /BCOs are all physicians belonging to FMSI

Expert Panel

- Steroid ABP: Experts are within Laboratory FMSI, indipendent of the Passport Custodian (NADO Italia)
- Haematological ABP: external Experts

Review Process

- All the Experts do not have any contact with NADO Italia
- APMU and NADO Italia dialogue through ADAMS

Initial Review Phase

Expert Evaluation	APMU Action	
Normal: Likely physiological condition	Continue normal <i>Testing</i> pattern.	
Passport suspicious: Further data is required.	Alert <i>ADO</i> to do Target <i>Testing</i> and provide recommendations.	
Likely doping : Considering the information within the <i>Athlete's</i> <u>Passport</u> , it is likely that the <u>Passport</u> is the result the <i>Use</i> of a <i>Prohibited Substance</i> or <i>Prohibited Method</i> and it is highly unlikely that it may be the result of a normal physiological or pathological condition.	Send to a panel of three <u>Experts</u> , including the initial <u>Expert</u> , as per section 3 of this Annex L.	
Likely medical condition : Considering the information within the <u>Passport</u> , it is likely that the <u>Passport</u> is the result of a pathological condition	Inform the <i>Athlete</i> via the <i>ADO</i> (or send to other <u>Experts</u>).	

Consequences of the Initial Review

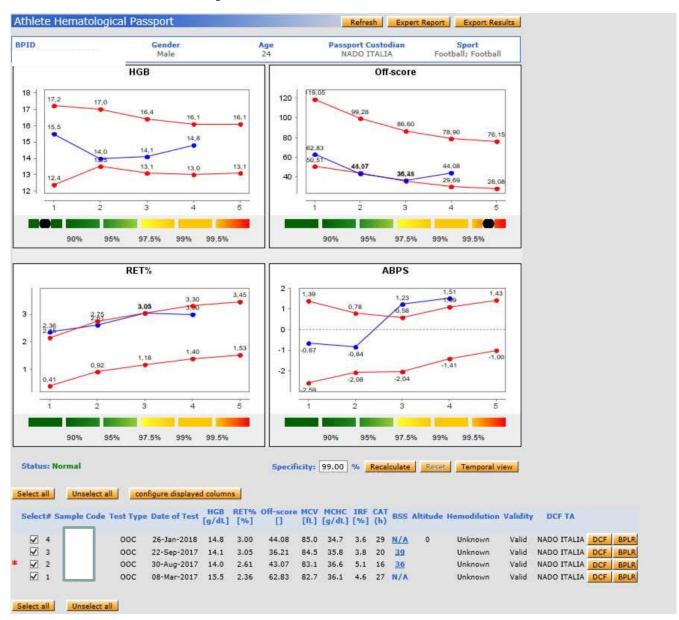
ABP is a tool to detect the possible use of Prohibited Substances or Prohibited Method. It is not intended as a health check.

The ADO must inform the athlete if the Passport suggests a possible pathology identified by the experts.





Likely medical condition





Status: Submitted-Medical Condition

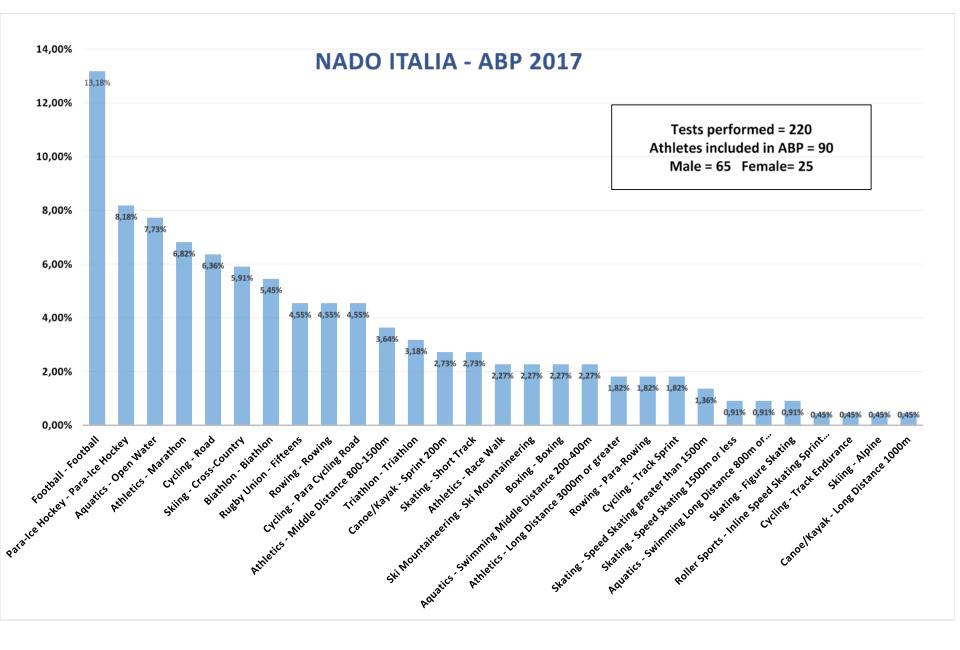
APMU	Recommendation	
	Likely medical condition	
Comment		
The evaluation stated reticulocytes. Red cell	an international expert which consider it as "medical condition" as it follows: "Male football player with normal haemoglobin but constantly very high indices are normal, so I do not see any indication of a haematological abnormality at this thlete has a subclinical pathology which leads to a high red cell turnover with increased	^:

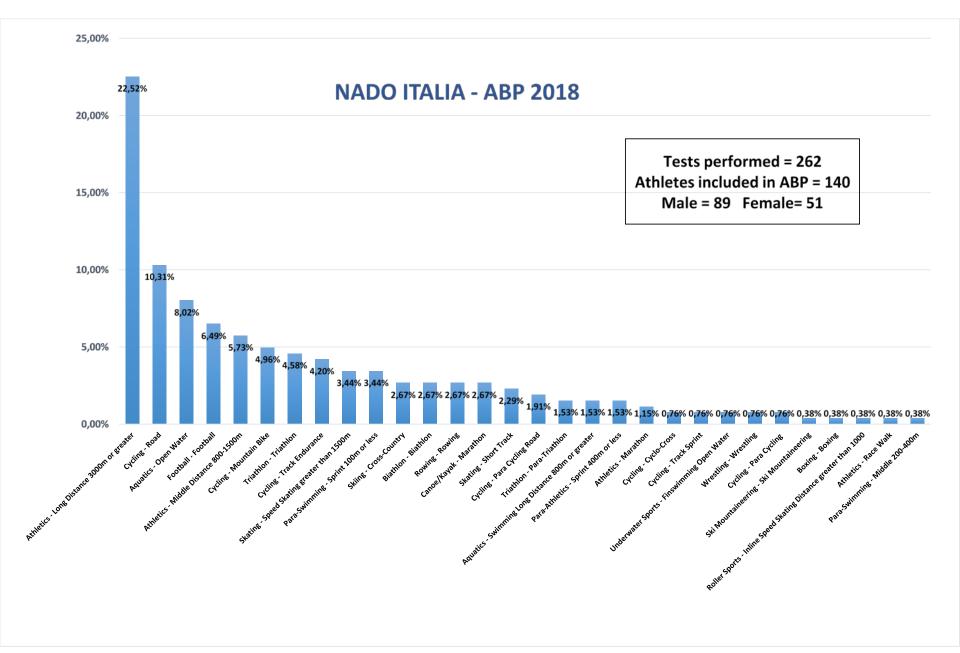
Expert	Expert Opinion		
	Expert Opinion Cancelled by APMU	Cancelled by APMU	
Comment			
			^
			Y

Report History

Recommendation	Comment	Submitted by	Date/Time	+
Passport suspicious: further data is required			21-Feb-2018 07:53 GMT	+
Passport suspicious: further data is required	Trend con valori di %RET alti. Off score sempre basso		19-Dec-2017 09:23 GMT	+











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Thank you very much for your attention