

## **WS 6: Should We Analyse Anabolic Steroids In The Forensic Context?**

Audience Knowledge: Intermediate

### **Workshop Chair**

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### **Abstract**

The use of performance-enhancing substances among recreational athletes, with the aim of improving their physical appearance or performance, is a growing concern. This practice, which may involve the use of high doses of various anabolic agents and medications, poses a very high health risk and can even be fatal. This workshop provides a practical overview of anabolic-androgenic steroids. It highlights their significance in doping in professional sport, as well as in forensic toxicology. It focuses on understanding the basic properties of these substances and recognizing patterns of misuse and abuse. You will learn which anabolic steroids are most commonly used and which analytical methods are employed in different matrices (urine, blood, hair) and contexts. The workshop also examines how to interpret toxicological results in real-life cases involving living individuals and in post-mortem cases.

### **Speakers**

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## Workshop Agenda

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
<b>08:00 AM - 08:45 AM</b>	Anabolic Androgenic Steroids. Chemistry, Physiology, Metabolism. Therapeutic Use and Misuse.	Burgueño
<b>08:45 AM - 09:30 AM</b>	AAS In Professional Sport and Their Analysis in Anti-Doping Control. The Athlete's Biological Passport	Fernández-Álvarez
<b>09:30 AM - 10:00 AM</b>	Applying Technical Expertise in Doping Control to Forensic Cases Involving Living Individuals in Germany	Burgueño
<b>10:30 AM - 11:00 AM</b>	Analysis of AAS in Hair. Challenges and Advances. Results And Interpretation	Kintz
<b>11:00 AM - 11:30 AM</b>	Forensic Reconstruction of Anabolic Steroid Cases from Seized Products to Postmortem Evidence	Salomone
<b>11:30 AM - 12:00 AM</b>	Postmortem Cases: Too Young to Die	Burgueño