

PROJECT REVIEW

"Controlled administration trial of Oral-Turinabol metabolite confirmation and elimination profiles with special respect to long-term metabolites"

Dr. K. Parr, (Freie Universitaet Berlin, Germany) **Prof. F. Botre, Prof Xavier de la Torre** (FMSI Laboratorio Antidoping, Rome, Italy)

Increasing numbers of adverse analytical findings were reported in the recent years due to the misuse of the anabolic androgenic steroid dehydrochloromethyltestosterone (DHCMT). Once developed in the former GDR for misuse in sports it regained enormous relevance especially in the samples from Beijing and London Olympic games. Several adverse analytical findings were reported after the samples had been retested for the newly reported long-term metabolite of DHCMT.

At present, the use of post administration urines instead of purified reference material has been accepted in confirmatory analyses. Very recently the currently used metabolites have been questioned in the literature. Thus a controlled administration trial in humans will be performed to provide further evidence for tracing back the long term metabolites 20 ξ OH-NorTHCMT and 20 β OH-NorDHCMT to a DHCMT administration. Furthermore, the utilisation of in-vitro experiments will further broaden the scientific insights into metabolic pathways that lead to the generation of these metabolites.