

PROJECT REVIEW

"Pharmacological properties of procaterol in relation to competitive sport"

Pr. V. Backer, Dr. M. Hostrup (Bispebjerg University Hospital, Denmark)

The introduction of therapeutic and urinary thresholds for salbutamol, salmeterol and formoterol on the Prohibited List has been an innovative way to avoid suprathreshold misuse and to lessen administrative burdens of the Therapeutic Use Exemption. While the pharmacological properties of salbutamol, salmeterol, and formoterol are well-described, the pharmacokinetics and pharmacodynamics of procaterol are inadequately investigated in relation to competitive sports. In addition, it has yet to be established how procaterol affects performance and metabolism

The aim of the current project is therefore:

- To investigate the pharmacokinetics and pharmacodynamics of inhaled and oral procaterol