

drugs & the London Olympics



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overview...

- *historical background*
- *anti-doping philosophy*
- *sample analysis*
- *scope of testing*
- *violations & sanctions*
- *anecdotes*



London: the Games hosts

- *Opening and Closing ceremonies*
- *Quintessential British touch*
- *Community ownership*
- *Volunteerism*



Olympic venues...

East London site

sustainability...

future legacy

environmental impact

Olympic park...



Olympic park



Aquatics centre...



velodrome



"London, the first drug-free Olympics..."

- *Endorsements from:*
- *IOC*
- *LOCOG*
- *WADA*
- *Royal Family*



**SUPPORT
DRUG FREE
SPORT**



Mummy said there'll be no bloody cheating at these Games...

anti-doping code

WADA (World Anti-Doping Agency)

IOC (International Olympic Committee)

Code of compliance

Strict inclusion criteria

Therapeutic Use Exemption criteria



IOC Rules

"The Olympic Charter reflects the importance that the IOC places on the fight against doping in sport & its support for the World Anti-Doping Code." IOC 2011





*"... leave the drug cheats to me
and 007..."*

historical background

- *First Olympic drug tests Mexico City 1968*
- *Prohibited list*
- *WADA 1999*
- *laboratories*
- *violations & sanctions*



Hall of shame

Drug deaths in sport

Tour de France & EPO

Designer steroids

Athlete entourage

GDR and State –driven doping



Dead...

- *Knut Jensen*
(Denmark)
- *1960 Rome cycling*
road race...
- *amphetamines*

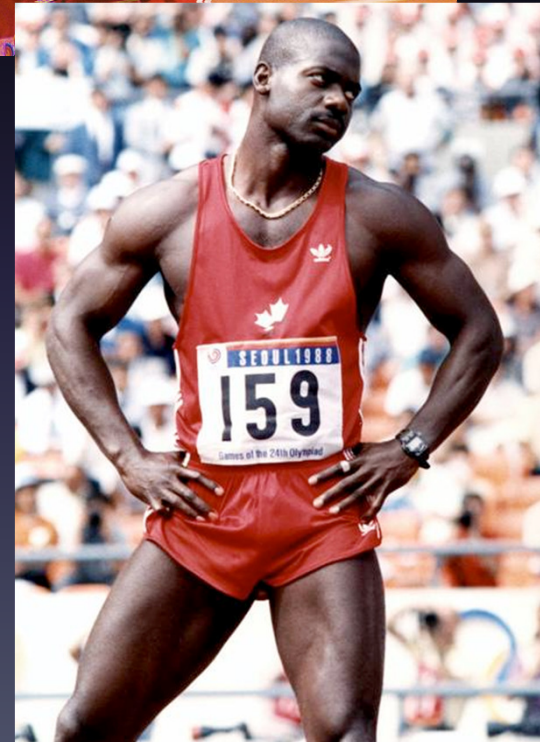


busted...

Ben Johnson

Seoul 1988

stanozalol



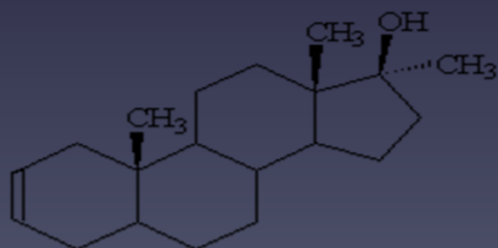
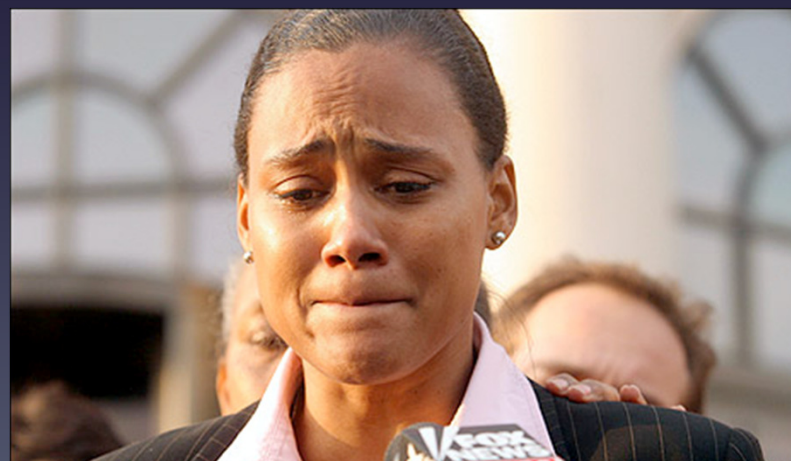
disgraced...

Marion Jones

"designer" steroid

THG (tetrahydrogestrinone)

BALCO Laboratory



disqualified...

Floyd Landis

Tour de France 2007

T:E ratio



London drug testing

GSK-Kings College



Olympic facts

anti-doping workforce 1000

purpose-built lab (4400 m²)

150 lab scientists

6250 samples

lab working 24/7

shortest turnaround 24hrs

50% athletes: every medallist

Lab analyses

- 400 samples per day
- Blood and urine
- High resolution mass spectrometry
- Gas chromatography
- Isotope ratio MS



Lab analyses

- Anabolic androgenic steroids
- Stimulants
- Peptide hormones – EPO





*"frankly this one tastes like
urine....!"*

London drug busts

Nick Delpopolo (USA)

judo

marijuana...



London drug busts

Ghfran Almouhamad (SYR)

400 hurdles

Methylhexaneamine



London drug busts

Nadzeya Ostapchuk (BER)

Shot put

Metenolone



THIS COULD BE DODGY.
SHE DID THE SAMPLE
STANDING UP...



DRUG TESTING LAB

CHAPMAN

first for London...

Olympics...

1908, 1948, 2012

Paralympics (2012)



first for London...

Oscar Pistorius

("blade runner")

– first ever amputee...



first for London...

Michael Phelps
Most decorated
Olympian



first for London...

Saudi Arabia

2 female athletes

Judo

800m track



firsts for London...

Women's boxing



first for London...

Team Canada
56% women



Celebration of NZL sport



QUESTIONS...?



**So THAT'S who
Philip gave our
old curtains to!**