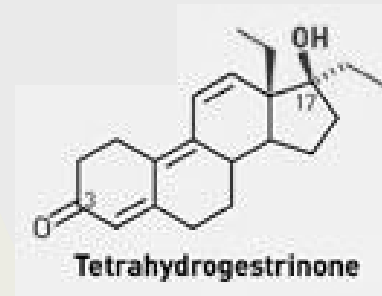
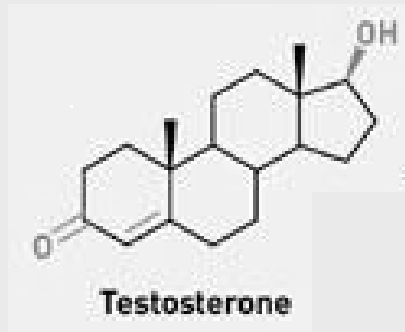


THG



More talk – Less drug!

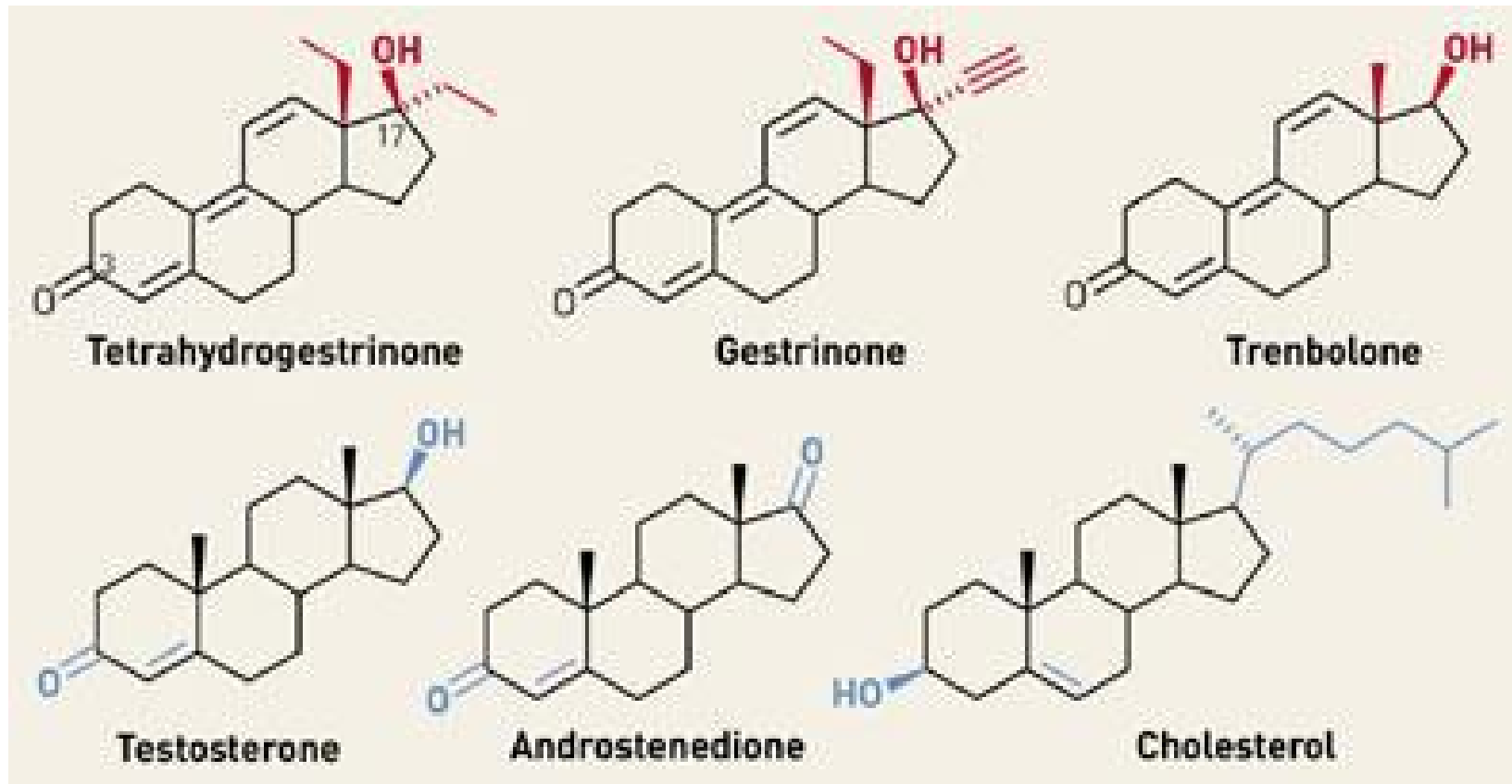
Background

- Breaking news in early fall 2003
- A new "Designer steroid"
- First new substance since recombinant erythropoietin and human Growth Hormone in the late 1980'ies

Prohibited Substance Definition

1. Performance enhancing?
2. Actual or potential health risk?
3. Violates the spirit of sport?

Performance Enhancing?



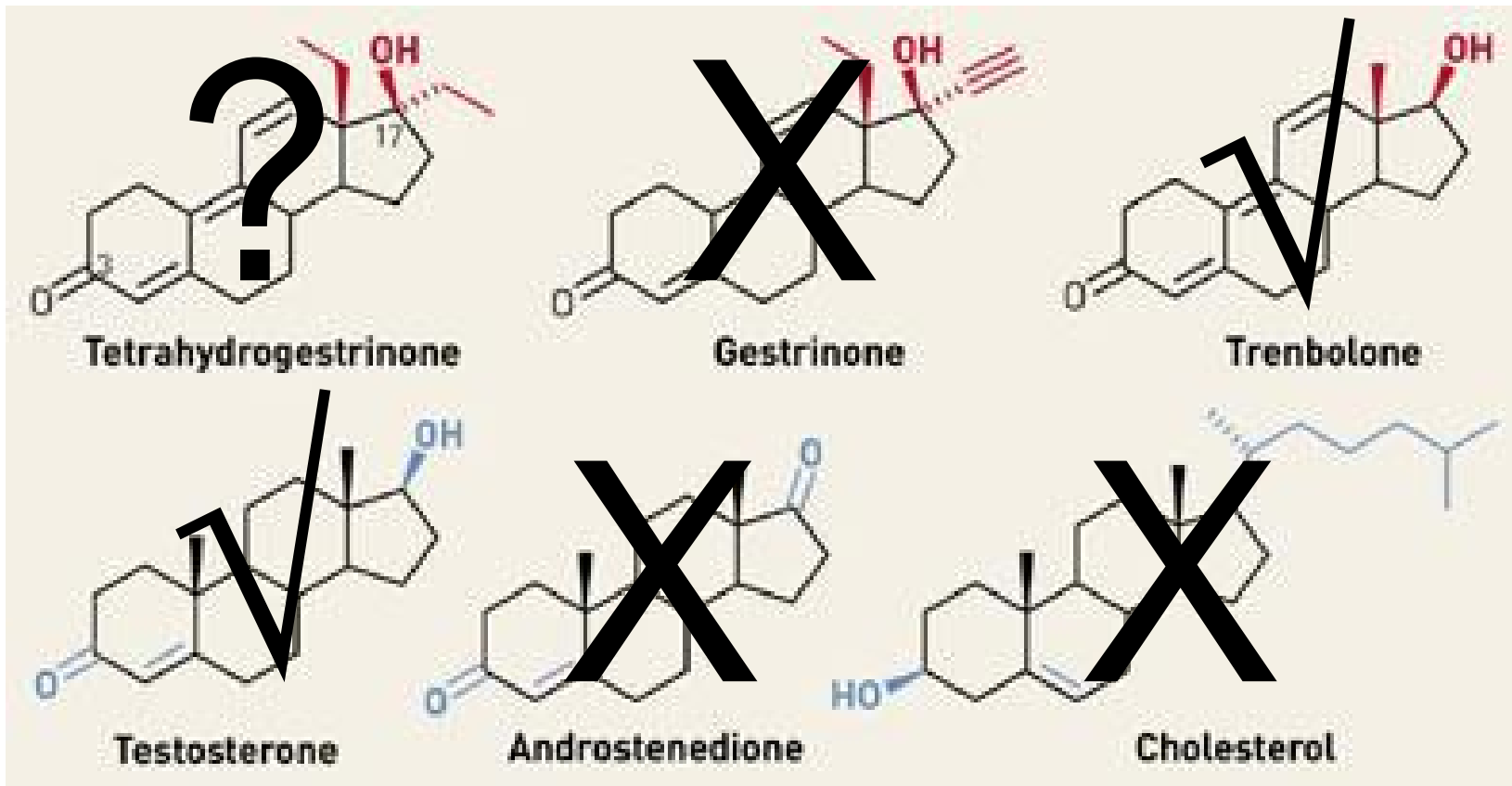
Performance Enhancing?

- Reviewing the literature – no existing scientific information on THG
- The most related substance, Gestrinone, is used in treatment of gynecological conditions
- Another less related substance, Trenbolone (Parabolan), empirically have potent anabolic effect

Scientist with gestrinone experience

- **Ayotte C**, Goudreault D, Charlebois A.
Testing for natural and synthetic anabolic agents in human urine. J Chromatogr B Biomed Appl. 1996 Dec 6;687(1):3-25
 - “This paper describes a comprehensive method for the detection of natural and synthetic anabolic agents, including some **veterinary preparations** such as **trenbolone**...
- “*THG arises from an easily performed modification of gestrinon or other contraceptive substances*”

Performance Enhancing?



Actual or Potential Health Risk?

- No existing scientific or empiric information to substantiate any suspicion

Against the Spirit of Sport?

- Well – yes!

Prohibited Substance Conclusions

1. Performance enhancing - **Pending**
2. Actual or potential health risk - **Pending**
3. Against the spirit of sport - **Yes**

Actions that never occurred

- The isolated effect - if any - of THG cannot be established
 - Applied in high profile elite athletes that ALSO were treated with a range of well-known potent doping substance
- A 10 week double-blind placebo controlled study of 20 subjects may have clarified the anabolic potential of THG

What about...?

- Ecdysterone and all its derivatives
 - Naturally occurring in plant fibres and shellfish and in nutritional supplements
 - *”Ecdysterone is a powerful compound that can help to maximise your genetic potential to build muscle. ...”*

