



Appendix 1

**This appendix was part of the submitted manuscript and has been peer reviewed.
It is posted as supplied by the authors.**

Appendix to: Elkington LJ, Hughes DC. Australian Institute of Sport and Australian Medical Association position statement on concussion in sport. *Med J Aust* 2017; 206: 46-50. doi: 10.5694/mja16.00741.

**Athlete with
suspected concussion**

On-field signs of concussion:

- Loss of consciousness
- Lying motionless, slow to get up
 - Seizure
- Confusion, disorientation
 - Memory impairment
 - Balance disturbance
 - Nausea or vomiting
- Headache or 'pressure in the head'
 - Visual or hearing disturbance
 - Dazed, blank/vacant stare
- Behaviour or emotional changes, not themselves

Things to
look out for
at the time
of injury

Immediate and permanent removal from sport
Take normal first-aid precautions including neck protection

RED FLAGS

- Neck pain
- Increasing confusion or irritability
 - Repeated vomiting
 - Seizure or convulsion
- Weakness or tingling/burning in the arms or legs
 - Deteriorating conscious state
 - Severe or increasing headache
 - Unusual behavioural change
 - Visual or hearing disturbance

NO

**Refer to medical
practitioner as
soon as practical**

YES

**Immediate
referral to
emergency
department**