

(a) Direct sports injuries are those injuries that occur at the point of contact (e.g. - a boxer is hit in the nose & his/her nasal bones break). They can be be both hard tissue (fractures) or soft tissue (bruises). Indirect sports injuries are different because they occur at a distance from the point of contact (e.g. - a gymnast falls on their outstretched hand & breaks their collarbone). These injuries can be a result of an intrinsic force (muscle contraction) or stress being placed on a pressure point that is some distance from the actual impact.

(b) Physical preparation is essential in preventing injury & being mentally & physically prepared for their (atthetes) specific event. Sports injuries are a huge cost to the community (I million Australians injuried each year costing \$1 billion) & cause congiderable stress to the athletes involved reducing the amount of time spent playing training. Aspects of physical prevention vital for any athlete are:

• skill 8 Technique - athletes with a higher skill level are at less risk of injury due to their better



co-ordination, kinaesthic sense etc.

· safe sporting movements - in training & competition safe technique is essential in reducing risk of injury (e.g. - Hyperextension in a golf swing is not an appropriate/safe action).

- · Flexibility By consistently stretching an athlete improves their Range of movement around the gomt & can reduce the chance of soft tissue injury. It can enhance performance in some sports too (e.g. -gymnastros)
- · Strength vital in gaining a competitive advantage & greater muscle mass strengthens the bodres ability to sustain the stresses of their event (e.g. Cycling, sprinting)
- · endurance prolongs the effects of muscle fabgue & hence serious mjury (hyperventilation, fainting & over-exection)
- · Individual participants needs a pre-prepartion screening program will determine any athletes individual characterist that could heighten the risk of mjury (e.g. - previous injuries, disabilities, family history, previous exercise history, notwation (evel) - deliver a rewarding program that will reduce risk of injury.
- · warm-up, stretching & cool-down-considered on essential part of any physical preparation as in the warm-up the



body & mind are prepared, muscles used in achvity are stimulated preventing freducing risk of soft-tresure damage. Stretching prepares the muscles whilst the cool-down promotes a full receivery & prevents blood pooling.

All of the factors are essential in physical preparation. I contribute to reducing the risk of injury.

(c) An athlete returning to play after a serious injury may be pressured to do so, both intrinsically (boredom feer of losing spot in team) or extrinsically (sponsors, peers, fews, fellow teammates, coach) & this can result in a hasty return to play without regard to specific policies & procedures which one in place in most sporting organisations to ensure a fast but full recovery reduced risk of re-injury. These regulatory procedures are:

- Returning to play only after complete skill level has been reached (some as prior to injury)

- Both sides of the body move/operate in the same manner

- player can participate in full length training sessions

completing a range of skills pertaining to their sport



(e.g. Soccer player - dodging, weaving, trapping, passing, shooting, two on two practice & complete cardiovascular recovery) - passing of fitness tests that ensure full flexibility, endurance, speed & strength have returned. recommendation by dub doctor/physician giving the Upon actually making a notion the player should be introduced into the lower grades & once they move back into the 1st division ranks, only play halves or quarters. Constant monitoring is necessary to ensure that re-injury does not occur & this is often done with more fitness tests. These policies are only effective as the organisation implementing them & hence are subject to vested interests or subjectivity (e.g. - the coach leading into a major final may advise the club doctor to pass the athlete in the fitness test anyway). The rules & regulation must be strictly adhered to if the organisation is to appear ethical & supportive of its players, whose disposition is the most important despite what owners, sports administrators & sponsors might say, other rules in place are those that refer to the individual players physical



NEW SOUTH WALES
& mestal wellbeing (e.g taping, protective equipment
& braces). This will ensure players returning have
a higher confidence in their participation. Ultimately
in promoting a safe environment for athletes they
should be able to answer yes to these questions:
- 15 the area free from my ?
- can you move freely on both sides of the body?
If the answers are no or unsure then a return
to play should be prolonged. This of course can
be subject to the player (thenself) wanting to make
a quick return so careful judgement through
appropriate skills tests, doctors recommendations à player
Comfort are ultimately effective collectively.