	V	-
BO	A R D O F S T U I	

Q125-Sports medicine.

direct contact with an external object causing an initiat the point of contact. Examples include, a corket thigh after a rugby player was kneed in the thigh an other play (soft tissue direct injury) or a chipped tooth after being hit with a hockey stick (hard tis direct injury). An indirect injury refers to an injury as a result
thigh after a rugby player was kneed in the thigh an other play (soft tissue direct injury) or a chipped tooth after being hit with a hockey stick (hard tis direct injury). An indirect injury refers to an injury as a result
an other play (soft tissue direct injury) or a chipped tooth after being hit with a hockey stick (hard tis direct injury). An indirect jnjury refers to an injury as a result
tooth after being hit with a hockey stick (hard tis direct injury). An indirect injury refers to an injury as a result
airect injuny). An indirect injuny refers to an injuny as a result
An indirect injury refers to an injury as a result
an internal force where the injury occurs at a distar
from the point of impact.
Examples include, a broken collar bone after
agymnast falls on an outstretched arm (hard t
indirect injury) or a torn hamstring muscle aft
anna sprinter performs an explosive start without
warning up correctly (soft tissue, indirect injury).



(b)

Physical preparation is vital in the prevention of sports injuries and refers to an athletes readiness and ability b perform in physical activity safely. aspects. Unismader Deox The first consideration is correct technique and safe sporting movements. Having the correct technique is vital in the prevention of sports injuries and it is therefore the role of the coach to kach the correct technique, emphasis safe sporting movement and perhaps postpone or modify a performance if case sporting movement is not possible. For example, a gymnast should be discouraged from performing askill if there is not the correct mats and equipment. An athlete must also be physically prepared in terms of strength as an athlete with a well developed Strength base is at less risk of injuries, particularly those caused from undeveloped muscles or muscle unbalances between agonist and antagonist muscle groups. Endurance is another consideration, and an athlete

Endoradice is contract of the s

must have both muscular endurance and cardiovascular



endurance if they are to perform with the lowest risk

of injury.

Endurance will delay that onset of fatigue and the

accompanying loss of technique which leads to injury.

Fatigue also reduces the bodies ability to absorb force

and prevent injury.

An atmete flexibility must also be developed to the level which it is required for the performance of a particular skill or activity. The 3 main methods used to train flexibility include static, ballistic and PNF and should all be utilised when progressively overloading muscles and preparing them for performance in an attempt to decrease the likelihood of injury. Warm-up and stretching is also unportant here as if prepares the athlete both physically and mentally for competition.

Physical preparation must also incorporate the

principle of specificity to ensure that the athlete is

prepared for the particular activity they will be

performing in. The coach or trainer must there fore consider



sport specific skills and movements as well as the

requirements of various individuals playing varying

positions within a sport.

For example, a softball pitcher may need to

sketch their arms more than the rest of the tram

in order to prepare the muscles pr pitching and

decrease the chance of injury.

Physical preparation therefore plays a large and

extensive role in the prevention of injuries as an athlete

who performes before being physically prepared is at

a much higher nisk of injury.



C

An athlete readiness to return to play is a complex

situation which is influenced by many factors and

regulates by various policies and procedures.

In most cases if is the athletes individual choice

when they return to play however due to many

conflicting reasons they are often pressured in returning

before completely ready.

Pressures to return to play include internal factors such

as boredom, fear of loosing position on a team, feelings

of letting the team down and a desire to compete

and succeed. External pressures also exist and

include financial factors, pressure of fans and the

media, family and friend, and tram members and

coaches.

The decision regarding an athletes readiness b

return to play while ultimately the athletes is considered

by doctors, physics, sports trainers and coaches who

preve discourage an athlete from returning until they

are at pre-injury physical condition and are mentally

also mentally ready



In some situations there are rules regarding when an athlet can return to play such as if an athlet has been knocked out, they are prevented from returning during that game and in other games until they are checked out by a doctor. Indictations of an athletes readiness to return to play include, the injured site is free from all pain, moves in alignment with the opposite part, is at pre-injury strength and is capable of performing under game like situations without pain or restriction. The athlete should also have reoptained total body fitness and basic skills necessary for competition. An athletes readiness to return to play can be analysed or determined by a number of strength and skills tests which show that they are adequately For example, a basketball player who had an Fit. injured ankle should be tested and asked to perform basic skills such as passing, dribbling and shooting as well as short sprints, and side steps. If this does not give a clear enough indication



of whether the athlete is ready to return to play

they can be put through a number of tests and the

results compared to those taken prior to the injury.

Tests such as timing line sprints and both the

vertical and horizontal jumps can be conducted and

the results compared to past results. If the results

are significantly varied, this is an indication that

the athlete is not ready to return to play.

If the coach, sports trainer and athlete all

agree that the athlete is physically able to return,

their psycological state should be assessed through

questioning and discussion.

If the athlete is physically ready and me psychological

prepared there is no reason why they should not

return p play.

An athlete who has reached this stage would

have followed a rehabilitation program strictly and

pllowed the principles of recovering from injury

including progressive mobilisation, sketching,

strengthening, warm-up, taping and bandaging and



as well as beginning at a level below that which they

were used to and gradually working their way back to

pre-injury condition.

Even once they have been diagnosed and ready

to return to play they may need to continue to place

emphasis on that area during warm-up and stretching

and may need to continue straping the area to prevent

re-injuny.