Nottingham 2015 CPISRA World Games

CPISRA Table Cricket Classification

Introduction

Table cricket is unique in that it offers athletes with high support needs the opportunity to participate in a team sport. It is hoped that this classification system will allow the sport to be played by athletes with Cerebral Palsy at an International Level.

Eligible Impairments

CPISRA provides sports opportunities for individuals with neurological impairment with a motor control impairment of a cerebral nature causing a permanent and verifiable Activity Limitation. In order to compete in CPISRA Table Cricket an athlete must be affected by at least one of the following impairments;

<table>
<thead>
<tr>
<th>Impairment type</th>
<th>Impairment description as per ICF and Sanger et al, 2003, 2006 &amp; 2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hypertonia</td>
<td>High Muscle tone</td>
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<tr>
<td>Spasticity</td>
<td>Spasticity is a velocity-dependent resistance of a muscle to stretch.</td>
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<tr>
<td>Dystonia</td>
<td>Dystonia is an involuntary alteration in the pattern of muscle activation during voluntary movement or maintenance of posture, sustained or intermittent muscle contractions.</td>
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<tr>
<td>Rigidity</td>
<td>Rigidity is resistance to passive movement and is independent of posture</td>
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and speed of movement. Rigidity is not specific to particular tasks or postures.

<table>
<thead>
<tr>
<th>Impairment</th>
<th>Description</th>
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<tbody>
<tr>
<td>Ataxia</td>
<td>Control of voluntary movement</td>
</tr>
<tr>
<td>Athetosis/Chorea</td>
<td>Involuntary contractions of muscles</td>
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These impairment types are associated with a range of conditions including, but not limited to, cerebral palsy, traumatic brain injury, stroke, Friedreich’s Ataxia, Spino-cerebellar Ataxia, Hereditary Spastic Diplegia/Paraplegia, and Dystonia.

**Table Cricket Classes**

The sport allows for 3 classes of athlete to compete in table cricket. The classes are TC1-TC3 and these classes cover the three functional aspects of the game namely batting, bowling and fielding. To play the sport, athletes must either be a permanent wheelchair user or can only ambulate with the use of assistive devices.

Athletes in the TC1 class may receive assistance to enter field of play and or to grasp the bat, or fielder, however the athlete must be able to act independently when the game is active. In terms of bowling, the athlete can receive assistance to place the ball on the ramp but must be able to release ball independently. This may be done with the use of a pointer on their head or by using a stick.

**TC1**

**Quadriplegic** - Severe involvement. **Spasticity Grade 4 to 3**, with or without athetosis, or with poor functional range of movement and poor functional strength in all extremities and trunk OR the severe athetoid with or without spasticity with poor functional strength and control. The athletes with be
dependant on power wheelchair or assistance for mobility. They are unable to functionally propel a wheelchair.

**Upper extremities**- severe limitation in functional range of movement or severe athetosis are the major factors in this sport, and reduced throwing motion with poor follow through is evident. The athlete will have limited ability to grasp the bat, ball or fielders.

**Trunk**- control-static and dynamic trunk control very poor or non-existent. Severe difficulty adjusting back to mid-line or upright position when performing sports movements.

**Lower extremities**- considered non-functional in relation to this sport due to limitation in range of movement strength and/or control. Minimal or involuntary movement of the lower extremities would not change this athlete’s class.

TC1 is determined by the very poor hand function when using the bat, ball, and fielder when playing table cricket.

**Functional Description**

These athletes will have difficulty in grasping and releasing the ball when bowling, and may require assistance by using a pointer, or may require an assistant to place the ball on the ramp.

When batting these athletes will have difficulty in grasping the bat without assistance, and will have difficulty in moving the bat in a controlled fashion. These athletes are unlikely to be able to produce a back swing or follow throw when attacking the ball.

When fielding the athletes will be able to grasp the fielders with assistance, but are unlikely to demonstrate the hand function to move the fielder.

**SEVERE DIFFICULTIES WITH CO-ORDINATION, PERCEPTION, FUNCTIONAL MOVEMENT AND BODY CONTROL CHARACTERISE THIS CLASS**

TC2
Quadriplegic – Severe to moderate involvement. Spasticity Grade 4 to 3 with or without athetosis. Included in this Sport Class are severe athetoid quadriplegics with more function in less affected side, and no spasticity. Poor functional strength in all extremities and trunk, but able to functionally propel a wheelchair with arms.

Upper extremities - Hands severe, to moderate involvement. Spasticity Grade 3. A TC2 athlete may often have a cylindrical or spherical grasp, and can demonstrate sufficient dexterity to manipulate and throw a ball, but will exhibit poor grasp and release. Wheelchair propulsion with upper extremities is also demonstrable. Active range of movement is moderately to severely impaired, thus hand function is the key.

Trunk – Static trunk control is fair. Dynamic trunk control is poor as demonstrated by the obligatory use of upper extremities and/or head to assist in returning to the mid-line (up right position).

Lower extremities – the athlete may demonstrate function in the lower extremities sufficient for foot wheelchair propulsion. S/he may ambulate (always with abnormal gait) but is never able to run functionally.

These athletes will be able to grasp the ball when bowling but will demonstrate poor and/ or inconsistent release.

Functional Description

When batting these athletes will be able to grasp the bat without assistance and will have some control of the bat. These athletes will demonstrate a back swing and follow through when , but this may appear erratic or uncontrolled.

When fielding the athletes will be able to grasp the fielders with both hands, and will be able to move the fielder with limited controlled although at times this may appear erratic and uncontrolled.

MODERATE DIFFICULTIES WITH CO-ORDINATION, PERCEPTION, FUNCTIONAL MOVEMENT AND BODY CONTROL CHARACTERISE THIS CLASS
TC3

Quadriplegic, triplegic, severe hemiplegic – Moderate (asymmetric or symmetric) quadriplegic, or severe hemiplegic, in a wheelchair with almost full functional strength in least impaired upper extremity.

**Upper extremities** - Moderate limitation spasticity Grade 2 in least impaired arm.

**Trunk control** - When pushing chair forward trunk movement is often limited by extensor tone during forceful pushing. Some trunk movement can be noted.

**Lower extremities** - Spasticity Grade 4 to 3. Some demonstrable function can be observed during transfer. Athletes in this class may or be able to ambulate with assistance or assistive devices.

These athletes will be able to grasp and release the ball when bowling with their least impaired arm.

**Functional Description**

When batting these athletes will be able to grasp the bat without assistance and will be able to control the bat, although the back swing or follow through may have some restriction.

When fielding the athletes will be able to grasp the fielders with their least impaired hand and will be able to move the fielder in a controlled fashion.

**MINIMUM DIFFICULTIES WITH CO-ORDINATION, PERCEPTION, FUNCTIONAL MOVEMENT AND BODY CONTROL CHARACTERISE THIS CLASS**

Classification Mix of Teams
In International competitions a team should have at least one TC1 athlete and one TC2 athlete or at least two TC1 athletes, if they have no TC2 athletes. The remainder of the team can be made up of TC3 athletes.

Craig Carascadden

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