For Office Use Only: EHSREC No: ____/____

UNIVERSITY OF LIMERICK
OLLSCOIL LUIMNIGH

UNIVERSITY OF LIMERICK RESEARCH ETHICS COMMITTEE

RISK ASSESSMENT FORM – PROCEDURES INVOLVING HUMAN SUBJECTS

Procedure No	2017-12-35_RA
Title of Procedure	Assessment of eye-hand coordination
Name of Assessor(s)	Philip Kearney
Assessment Date	29/11/17
Does this procedure already have ethical approval? (Delete as appropriate)	**NO**
If **YES**, enter ethical number and expiry date	**Approval No: Under review** **Expiry Date: 31/08/27**

1 Please provide a brief description of the procedure

Eye hand coordination field test A
A tennis ball projection machine will project tennis balls to a catching area at the centre of a square grid marked by eight cones (one at each corner, and one at the mid-point of each side). Participants will run a pattern between these cones at submaximal speed, timing their run to pass through the middle of the grid as a tennis ball fired from the ball projection machine arrives. Participants will complete two sets of eight runs, with the ball speed set to 55kmph on the first set and 65kmph on the second. Participants will be scored on the number of catches completed.

Eye hand coordination field test B
The wall catch test (Faber, Nijhuis-Van der Sanden, Elferink-Gemser, & Oosterveld, 2015; Faber, Oosterveld, & Nijhuis-Van der Sanden, 2014) is a reliable field test of eye hand coordination, which appears to be predictive of competition performance within youth table tennis. Participants stand 2m from a wall, and are tasked with throwing and catching a tennis ball using alternative hands for a period of 30 seconds. The number of catches is the dependent variable.

Eye hand coordination lab test A
The Batak Pro™ (http://www.batak.com/) consists of 12 response pads mounted on a frame. Over a 30 second trial, the response pads light up in a random sequence, and participants are required to press each response pad as quickly as possible after it illuminates. The number of response pads correctly pressed within the 30 second trial is the dependent variable.

2 Location in which the procedure may take place

X	Sports Hall, PESS Building, UL
X	Sport & Exercise Psychology Lab (Room No:P1038)

Others, please specify

X	Other locations within and outside of UL where ethical approval has been granted

3	Eligibility of subject(s) to be used

X	PESS student (U.G. or P.G.)
X	University staff or campus personnel
X	Members of the general public engaged in research projects granted ethical approval.

4	**Potential risks. To be explained before obtaining consent**

X	None, or minimal discomfort only

All exercise carries risk of cardiovascular accident in those who are susceptible, as well as risk of minor muscular or joint injury (e.g., sprained ankle). The subjects will complete a standard lab questionnaire prior to participation, and no one with a history of cardiovascular disease would be asked to undertake this procedure. Subjects with pre-existing muscle or joint problems carry more risk of injury than healthy subjects. Therefore subjects will complete a standard pre-test questionnaire and exercise history questionnaire to ascertain whether or not they should be allowed to carry out the activities involved. Furthermore, an appropriate warm up will be supervised prior to participating.

5	**Action to be taken in the event of an foreseeable emergency**

If the subject shows any signs of distress, the procedure will be terminated immediately.

In the case of dizziness or fainting, subjects will be placed in the supine position with legs raised. If the subject feels nauseous, a suitable receptacle should be provided. The subject should be kept as comfortable as possible, until fully recovered.

If a minor physical injury occurs (e.g. minor cut, sprain, or strain), the subject will be kept comfortable and recommended to seek medical treatment as soon as possible. In the case of more serious situations (e.g. fractures, dislocations), or should the subject fail to respond, help would be summoned immediately:

1. During normal working hours 9am-5pm, use nearest internal telephone to contact the Student Health Centre on extension 2534 (or 061 202534 if an external phone/mobile phone is used)
2. Outside of normal working hours, or if the Student Health Centre number is engaged/busy, use the nearest telephone to dial 3333 (or 061 213333 if an external phone/mobile phone is used) for UL security personnel who will then contact the ambulance service. When contacting the above clearly state the location of the incident, and briefly what happened.
3. If necessary, personnel should attempt CPR.

6	**Level of supervision required for procedure**

X	Trained PESS lecturing/research staff
X	Trained PESS postgraduate researcher

Others, please specify

X	Trained PESS undergraduates

7	**Other documentation required for this assessment ?**

X	Pre-test subject questionnaire
X	Detailed protocol

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FOR COMPLETION BY HEAD OF DEPARTMENT

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In the Department of : _____

Procedure No 2017-12-35

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Name of Assessor(s)	
Assessment Date	/ /

8 Approval of procedure

☐	Granted
☐	Subject to conditions (see below)

Others, please specify

☐	Refer to Medical Ethics
☐	

Comments/conditions

Informed consent must be completed.

Signed: _____ Date: _____

(Head of Department)