

# MAPPING THE EQUIVALENCE OF PITCH SIDE MEDICAL CARE EDUCATION COURSES



## FINAL REPORT

*This work has been carried out by the European Observatoire  
of Sport and Employment (EOSE) [www.eose.org](http://www.eose.org)*

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# EXECUTIVE SUMMARY

At a meeting of the World Rugby Pitch Side Care Working Group in November 2016 it was agreed that a mapping exercise against the World Rugby medical education programme, including some of the most prevalent medical and pitch side care courses within sport would be a useful and valuable exercise. Following the meeting the European Observatoire of Sport and Employment (EOSE) were commissioned by World Rugby to carry out the study.

A phase of data collection resulted in information about 28 courses being collected and 23 of those courses are being put forward for consideration of equivalency to the three levels within the World Rugby programme of first aid and medical education.

A global survey of Member Unions was also carried out to discover the picture related to medical education around the world in rugby. This study found the majority of courses delivered through Member Unions are included in the study.

The following courses can be considered for equivalency within the study:

Level 1 – Equivalent to First Aid in Rugby (FAIR)		
1	Rugby Football Union	Emergency First Aid for Rugby
2	Hampden Sports Clinic	National Sports 1st Aid Course
3	Irish Rugby Football Union	SAFE Rugby 1
4	The Football Association	Emergency First Aid in Football (EFAiF)
5	Corobeus Sports Consultancy Ltd	Emergency First Aid in Sport (EFAiS)
6	ITC First Aid Qualifications	ITC Level 3 Award in First Aid for Sport, Exercise and Fitness ITC Certificate for Sport Exercise and Fitness at SCQF Level 6
7	Federazione Medico Sportiva Italiana	FMSI PSS/PSS-D - Sport First Aid Course

Level 2 – Equivalent to Immediate Care in Rugby (ICIR)		
8	Rugby Football Union	Pre Hospital Immediate Care in Sport (PHICIS) formally Immediate Care in Sport
9	Hong Kong Rugby Union	Pre Hospital Immediate Care in Sport (PHICIS) formally Immediate Care in Sport
10	Irish Rugby Football Union	SAFE Rugby 2

11	Sport Promote	Sport Promote Course
12	Canadian Red Cross/ Sports First Responder	Sports First Responder
13	Canadian Red Cross/ Sports First Responder	Sport Emergency Medical Responder
14	The Football Association	Intermediate Trauma Medical Management in Football (ITMMIF)
15	Corobeus Sports Consultancy Ltd	Emergency Medical First Aid in Sport (EMFAiS)
16	Federazione Medico Sportiva Italiana	FMSI Advanced PSSD

### Level 3 – Equivalent to Advanced Immediate Care in Rugby (AICIR)

17	Rugby Football Union	Pre Hospital Advanced Immediate Care in Sport (PHICIS) formally Advanced Immediate Care in Sport
18	Welsh Rugby Union	Immediate Care in Rugby
19	Hong Kong Rugby Union	Pre Hospital Advanced Immediate Care in Sport (PHICIS) formally Advanced Immediate Care in Sport
20	Irish Rugby Football Union	SAFE Rugby 3
21	Scottish Rugby	SCRUMCAPS
22	The Football Association	Advanced Trauma Medical Management in Football (ATMMIF)
23	Rugby Football League	Immediate Medical Management on the Field of Play (IMMOFP)
24	Corobeus Sports Consultancy Ltd	Emergency Medical Management in Individual and Team Sports (EMMiITS)
25	Pre Hospital Advanced Immediate Care in Sport (PHICIS)	Formally Advanced Immediate Care in Sport

Many of these courses are accredited or endorsed by external organisations such as Faculty of Pre-hospital care - Royal College of Surgeons of Edinburgh, which only relates to courses from UK and Ireland.

The fields which were included in the mapping study were:

- Title
- Course description
- Target group
- Format/ duration
- Instructor background/ ratio
- Aims/ Learning outcomes
- Assessment
- Pre-requisites
- Content areas
- Pre-course reading/ support material
- Timetable
- Quality assurance
- Accreditation
- Length of validity

Where courses have been suggested for equivalency which are not rugby specific, EOSE would recommend practitioners to gain reaccreditation in a rugby specific course if that is now the main sport they operate in.

Other courses have been suggested for inclusion in the study, including some where response from the provider has resulted in insufficient information collected to date. These courses could be included in a “phase 2” of the work.

EOSE holds all collected information on the courses and can discuss in more detail with World Rugby and the Pitch Side Medical Group before final publication.

## BACKGROUND

World Rugby has a major focus on player welfare and has developed a three-tiered medical education programme for the immediate management of rugby injuries, made up of:

1. Level 1 - First Aid in Rugby (FAIR)
2. Level 2 - Immediate Care in Rugby (ICIR)
3. Level 3 - Advanced Immediate Care in Rugby (AICIR)

These courses are delivered within a number of Member Unions around the world.

Other Member Unions have their own education programme, some of which are identical or similar to the World Rugby courses. In addition, within sport globally, there are a range of medical and pitch side education courses for dealing with injury in sport.




# INTRODUCTION

At a meeting of the World Rugby Pitch Side Care Working Group in November 2016 it was agreed that a mapping exercise against the World Rugby education programme, including some of the most prevalent medical and pitch side courses within sport would be a useful and valuable exercise.

The group felt that confirmed equivalence of education courses for first aid and pitch side medical staff will greatly assist World Rugby in the development of policy and offering of advice to Member Unions.

At the meeting the following courses were initially put forward by the group for inclusion in the mapping exercise:



## EQUIVALENCY – CONSIDERATIONS

<p><b>Level 1 – FAIR</b></p> <ul style="list-style-type: none"> <li>▪ Bespoke course, sport &amp; rugby specific</li> <li>▪ Red Cross – First Aid in Sport</li> <li>▪ UK - National Sports 1<sup>st</sup> Aid</li> <li>▪ Canada - Sport First Aider</li> <li>▪ BEFAS/ IFAS – Basic First Aid in Sport</li> <li>▪ RFU – Community 1<sup>st</sup> aid in Rugby</li> <li>▪ Asia – First Aid in sport</li> <li>▪ FFR</li> <li>▪ IRFU – Safe Rugby</li> </ul>	<p><b>Level 2 – ICIR</b></p> <ul style="list-style-type: none"> <li>▪ RFU – ICIS L2</li> <li>▪ FA Area</li> <li>▪ FSEM Sports</li> <li>▪ EMMITS</li> <li>▪ Canada - Emergency Medical First Responder</li> <li>▪ WRU ICIR L2</li> <li>▪ IRFU Safe L2</li> <li>▪ Australia Sports Physician course</li> <li>▪ CASEM – Sideline emergency course</li> <li>▪ SPA - Sport Promote</li> <li>▪ LUBAS – Medical</li> <li>▪ ACSM - 7</li> <li>▪ FIMS – Team Physician Advanced</li> </ul>	<p><b>Level 3 – AIGIR</b></p> <ul style="list-style-type: none"> <li>▪ SRU – Scrumcaps</li> <li>▪ RFU – ICIS L3</li> <li>▪ WRU – ICIR L3</li> <li>▪ FSEM Sports</li> <li>▪ Rugby League - IMMoFoP</li> </ul>
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## EOSE - The European Observatoire of Sport and Employment

World Rugby appointed EOSE, as an external agency, to carry out the mapping equivalence work. Ben Gittus, EOSE Director of Standards, was the designated consultant and researcher for the project.

EOSE is an international organisation working towards the development of the sports sector and particularly around skills development. EOSE is a trusted partner of the European Commission with extensive experience of managing EU funded projects and being commissioned directly to undertake research activities in the sector ([www.eose.org](http://www.eose.org)).



# DATA COLLECTION

Following the meeting of the Pitch Side Medical Group and commencement of the work programme, the data collection phase was started which involved contacting the organisations responsible for the training programmes which had been suggested for inclusion in the study across the three levels.

A list of core elements related to the course was developed around which information was sought from the training provider. Information was requested from each provider on the following course core elements:

- Title
- Course description
- Target group
- Format/ duration
- Instructor background/ ratio
- Aims/ Learning outcomes
- Assessment
- Pre-requisites
- Content areas
- Pre-course reading/ support material
- Timetable
- Quality assurance
- Accreditation
- Length of validity

The Pitch Side Medical Group were particularly interested in the mapping of aims and learning outcomes, assessment, course instructor, format, instructor/ student ratio, support material and pre-course reading.

Training providers were invited to take part in a telephone interview with the researcher, and subsequently requested to submit supporting documentation covering the course elements listed. Information provided could be compared and mapped against data under the same fields for the World Rugby courses across the three levels.

Often in such a study, qualifications being compared would sit on the national qualifications framework within the country it offered and have an official “level” based on national level descriptors. As most courses identified for equivalence are not on a national qualifications framework, comparison of the course elements listed, in relation to World Rugby course outcomes, was the principle mapping methodology.

The World Rugby course core elements and outcomes which were used for comparison across the three levels can be found as Appendix 1.



# ONLINE SURVEY OF MEMBER UNIONS

To support the mapping and equivalence work EOSE conducted an online survey of Member Unions, aimed at the Chief Medical Officer. The survey asked which medical education courses are accepted for pitch side immediate care within Member Unions.

Representatives from the Member Unions from the following countries completed the survey: Argentina, Australia, Belgium, Canada, England, Fiji, Hong Kong, Ireland, Italy, New Zealand, Scotland, South Africa, Spain, Uruguay, USA, Wales, Zimbabwe.

A full report of the survey responses has been prepared by EOSE.

Through the global online survey it was confirmed that Member Unions deliver the World Rugby courses or those identified for inclusion in the present study.

A number of other courses were suggested for inclusion in the study and some of these have been followed up by EOSE for inclusion, where sufficient information on such courses is not received they can be earmarked for inclusion in a potential “phase 2” of the mapping study.



# INCLUSION OF COURSES WITHIN THE STUDY

The courses identified at the inception meeting were included in the study where information could be collected; several other courses were supported for inclusion by Pitch Side Care Working Group Members. Finally additional courses were suggested for inclusion in the feedback from the global survey of Member Unions.

Courses have been placed in the following categories:

- **COURSES SUPPORTED FOR EQUIVALENCE**

Courses where EOSE was able to collect sufficient information to map to World Rugby course outcomes and put forward for consideration by World Rugby medical education group as equivalent.

- **COURSES WITH INSUFFICIENT INFORMATION**

Courses where EOSE was unable to gather sufficient information to form a view and recommendation on equivalency, all these courses can remain in the system for follow up action and future inclusion.

- **COURSES ORIGINALLY SUGGESTED NOW DELETED FROM STUDY**

Courses where advice to EOSE from experts has been to delete from the study as they are not felt to satisfactorily map to World Rugby outcomes.

- **COURSES LISTED BY MEMBER UNIONS IN GLOBAL SURVEY**

Courses where respondents from Member Unions were aware of some courses that could be included in the study.

- **COURSES FOUND NOT EQUIVALENT**

Course where feedback to group members has indicated non-equivalency, linked to areas of assessment.

- **COURSE WHERE FURTHER UPDATE REQUIRED**

Course where a change in personnel and possible changes to content preclude equivalency being given at this time.

# COURSES SUPPORTED FOR EQUIVALENCE

## LEVEL 1 – EQUIVALENT TO FIRST AID IN RUGBY (FAIR)

1	Rugby Football Union
	Emergency First Aid for Rugby
<b>Data collection</b>	<ul style="list-style-type: none"> <li>• Telephone discussion with RFU manager responsible for the course</li> <li>• Course information</li> <li>• Timetable</li> <li>• Learning outcomes</li> <li>• Tutor competences</li> <li>• Assessment criteria</li> </ul>
<b>Course description</b>	<p>The EFARU provides learners with the skills, knowledge and understanding required to give care and manage life threatening conditions, minor injuries and illness, specifically focusing on those occurring in a rugby environment.</p> <p>The EFARU course covers conducting a Primary Survey, Basic Life Support skills and injury reporting as well other First Aid skills including:</p> <ul style="list-style-type: none"> <li>• Concussion and head injuries</li> <li>• Minor injuries</li> <li>• Cardiopulmonary resuscitation [CPR]</li> <li>• External bleeding</li> <li>• Shock</li> <li>• Spinal injuries</li> </ul> <p>The EFARU course is a fully recognised Emergency First Aid at Work (EFAW) course with extra rugby-specific elements designed for coaches, referees and volunteers who are designated as a first-aider and are responsible for providing pitch-side cover at both training and matches.</p>
<b>Comment</b>	<p>This is a generic first aid at work qualification on the UK national qualifications framework contextualised for rugby. The pre-requisites, course reading and quality assurance are in line with World Rugby norms. It covers the World Rugby outcomes and can be recommended for equivalency to FAIR. 7 hour course with pre-reading</p>

2	Hampden Sports Clinic National Sports 1st Aid Course
<b>Data collection</b>	<ul style="list-style-type: none"> <li>• Telephone discussion with centre director and course leader</li> <li>• Timetable</li> <li>• Pre-reading</li> <li>• Course information</li> </ul>
<b>Course description</b>	<p>The National Sports First Aid course teaches pitch-side first aid skills to all those involved in sport including coaches, parents, referees and athletes. No prior first aid knowledge is required.</p> <p>The course is endorsed by the Scottish Football Association with many other governing bodies such as Scottish Rugby and sportscotland Institute of Sport fully supporting the course.</p> <p>The course is run over 1 day, with some pre-course reading. It has both a theoretical and practical component which is designed to improve competence and confidence in dealing with first aid situations. You will learn basic life support skills as well as how to deal with sports injuries and medical conditions.</p> <p>The Course uses hands-on practical scenarios for teaching injury assessment and management</p>
<b>Comment</b>	<p>Although not rugby specific this sports first aid course appears to meet WR outcomes. The course is not written in learning outcomes but the timetable and content areas can be mapped.</p> <p>The course is supported by sport governing bodies.</p> <p>8 hours with pre-reading, main content areas of BLS, choking/ turning, defibrillators, soft tissue management, bleeding, spinal injuries and concussion.</p> <p>Assessment: 10 question multiple choice paper on pre-reading, a further MCQ paper, practical assessment of BLS and scenario based questions</p>

3	Irish Rugby Football Union
	SAFE Rugby 1
<b>Data collection</b>	<ul style="list-style-type: none"> <li>· Discussion with course director</li> <li>· Completed mapping tables</li> <li>· Timetable</li> </ul>
<b>Course description</b>	<p>The SAFE Rugby, Standard Approach to Field Emergencies in Rugby - programme aims to provide rugby specific, pitch side emergency care training and skills to medical staff and non-medical individuals involved at all levels in Irish rugby.</p> <p>The SAFE Rugby Level 1 course is specifically targeted at non-medical club and school coaches, players, referees and parents. Following the same key principles as the other levels, it is very user friendly</p> <p>SAFE Rugby has been designed to provide a standardised method of assessment and management of the initial stages of injuries occurring in rugby. Our programme recognises the fact that most people involved in rugby will only deal very occasionally with a significant injury. Our step by step, practical approach will ensure that the participant is confident and competent in looking after all eventualities until professional help arrives.</p> <p>The SAFE Rugby techniques are adapted from emergency medicine and pre hospital emergency care best practices and are taught by highly experienced and skilled pre hospital care practitioners and senior medical staff from a variety of specialities including anaesthesia, orthopaedics and emergency medicine.</p> <p>SAFE Rugby courses at all levels include Basic Life Support / Advisory External Defibrillation training</p> <p>Core skills include the initial approach to an injured player, managing suspected spinal and head injuries, managing fractures and joint injuries and concussion awareness</p>
<b>Comment</b>	<p>The course director completed the mapping tables to the World Rugby outcomes and mostly repeated the content of WR FAIR course, as such the mapping is close to 100%, and course timetable has been provided. Further evidence could be sought to confirm the mapping, based on information provided course appears equivalent to FAIR.</p> <p>One difference is use American Heart Association content. Also slightly shorter course at 6.5 hours. MCQ and skill stations.</p> <p>Includes Basic Life Support / Advisory External Defibrillation training and certification by the Irish Heart Foundation</p>

4	The Football Association Emergency First Aid in Football (EFAiF)
<b>Data collection</b>	<ul style="list-style-type: none"> <li>• Meeting with course director</li> <li>• Timetable</li> <li>• Manual contents page</li> <li>• Assessment criteria</li> </ul>
<b>Course description</b>	<p>Formally known as BFAS – Basic First Aid in Sport.</p> <p>The FA Basic First Aid for Sport course is a foundation sports first aid course and the recommended minimum qualification for any person providing pitchside support of sports activities.</p> <p>The course is designed to provide participants with an understanding of:</p> <ul style="list-style-type: none"> <li>• General duties and responsibilities of a sports first aider</li> <li>• Common football/ sports injuries</li> <li>• Basic knowledge, skills and attitude necessary to recognise and differentiate major from minor injury</li> <li>• Ability to administer basic first aid to a casualty engaged in sports activity</li> </ul>
<b>Comment</b>	<p>Content and assessment match to FAIR outcomes. 9 hour course.</p> <p>Content:</p> <ul style="list-style-type: none"> <li>• Emergency action planning</li> <li>• Reacting to an incident/approaching a casualty</li> <li>• Primary survey/secondary survey</li> <li>• The recovery position</li> <li>• Cardiac arrest</li> <li>• Basic Life Support (BLS)</li> <li>• Cardio-Pulmonary Resuscitation (CPR) for adults/children</li> <li>• Use of Automated External Defibrillators (AED's)</li> <li>• Choking</li> <li>• Severe external/ internal bleeding</li> </ul>

5	Corobeus Sports Consultancy Ltd
	Emergency First Aid in Sport (EFAiS)
Data collection	<ul style="list-style-type: none"> <li>• Discussion course leader</li> <li>• Timetable</li> <li>• Manual contents page</li> <li>• Assessment criteria</li> </ul>
Course description	<p>There is no pre-requisite for EFAiS, anyone interested in the application of sports specific first aid can attend this course and gain an HSE approved certification.</p> <ul style="list-style-type: none"> <li>• Scene Safety &amp; Roles/Responsibilities of the First Aider in Sport</li> <li>• Cardio Pulmonary Resuscitation – demonstration Theory</li> <li>• CPR/AED Practice (continually assessed)</li> <li>• Heart conditions and Sudden Cardiac Death</li> <li>• Musculoskeletal and soft tissue trauma includes:</li> <li>• Shock Management, Wounds and Bleeding,</li> <li>• &amp; Eye, Dental and Nasal Injuries in sport</li> <li>• Fractures and immediate management of musculoskeletal injuries in sport</li> <li>• Unresponsive Casualty - AVPU &amp; Casualty Assessment</li> <li>• incl: assessment and management of the acutely injured player</li> <li>• &amp; Cervical Spine Awareness – do no harm</li> <li>• Practice: How to assist the ambulance crew with a controlled log roll with demonstration how to assist in use of equipment</li> <li>• Head Injuries and Concussion Management</li> <li>• Head Injuries and Concussion Management</li> </ul>
Comment	Essentially the same course as the FA Emergency First Aid in Football (EFAiF) so can be supported for equivalency

6	<p>ITC First Aid Qualifications</p> <p>ITC Level 3 Award in First Aid for Sport, Exercise and Fitness ITC Certificate for Sport Exercise and Fitness at SCQF Level 6</p>
<b>Data collection</b>	<ul style="list-style-type: none"> <li>• Manual contents page</li> <li>• Learning Outcomes</li> <li>• Mapping</li> <li>• Discussion</li> <li>• Centre pack</li> </ul>
<b>Course description</b>	<p>This qualification indicates an individual can undertake the role of Emergency First Aider in the Sport or Leisure setting.</p> <p>The qualification will benefit all who need to be introduced to emergency first aid in the sports and leisure setting and is aimed at sports coaches, parents, volunteers and those involved with activity.</p>
<b>Comment</b>	<p>The qualification meets UK requirements for emergency first aid and is a regulated qualification on the national qualifications framework, mapping shows it meets the outcomes of the World Rugby FAIR framework and can be supported for equivalence.</p>



7	Federazione Medico Sportiva Italiana FMSI PSS/PSS -D - Sport First Aid Course
<b>Data collection</b>	<ul style="list-style-type: none"> <li>• Discussion</li> <li>• Mapping</li> <li>• Course information</li> </ul>
<b>Course description</b>	Accredited first aid award.
<b>Comment</b>	Accredited Italian course maps to WR outcomes.



# COURSES SUPPORTED FOR EQUIVALENCE

## LEVEL 2 – EQUIVALENT TO IMMEDIATE CARE IN RUGBY (ICIR)

8	Rugby Football Union
	Pre Hospital Immediate Care in Sport (PHICIS) Formally Immediate Care in Sport
<b>Data collection</b>	<ul style="list-style-type: none"> <li>• E mails with course director</li> <li>• Online log in details for all materials</li> <li>• Timetables</li> </ul>
<b>Course description</b>	<p>The ICIS Level 2 course will address the Immediate Care training needs of doctors, physiotherapists and postgraduate allied medical personnel working within rugby and other contact and collision sports.</p> <p>It is approved by the Faculty of Pre-hospital care - Royal College of Surgeons of Edinburgh and is specifically designed to address the needs of those working within rugby union. The course draws on existing hospital emergency care courses, i.e. ALS, ATLS, and pre-hospital immediate care courses, i.e. PHEC, but has additional rugby/collision sport specific modules such as the on field assessment of concussion, wound care and wound closure.</p> <p>This course is for pitch side practitioners seeking an introduction to the delivery of immediate care in sport.</p>
<b>Comment</b>	<p>The course is identical to the World Rugby ICIR and this has been verified through access to online materials and course timetables. 10 hour course, extensive online material. Accredited in the UK.</p>

9	Hong Kong Rugby Union
	Pre Hospital Immediate Care in Sport (PHICIS) Formally Immediate Care in Sport
<b>Data collection</b>	<ul style="list-style-type: none"> <li>• Online platform</li> <li>• Timetables</li> <li>• Discussion with course leader</li> </ul>
<b>Course description</b>	Same course as RFU Advanced Immediate Care in Rugby – description the same
<b>Comment</b>	The course is identical to the RFU Advanced Immediate Care in Rugby and therefore equivalent to World Rugby ICIR, this has been verified through access to online materials and course timetables

10	Irish Rugby Football Union
	SAFE Rugby 2
<b>Data collection</b>	<ul style="list-style-type: none"> <li>• Discussion with course director</li> <li>• Completed mapping tables</li> <li>• Timetable, slides, assessments</li> </ul>
<b>Course description</b>	<p>The SAFE Rugby, Standard Approach to Field Emergencies in Rugby - programme aims to provide rugby specific, pitch side emergency care training and skills to medical staff and non-medical individuals involved at all levels in Irish rugby.</p> <p>SAFE Rugby has been designed to provide a standardised method of assessment and management of the initial stages of injuries occurring in rugby. Our programme recognises the fact that most people involved in rugby will only deal very occasionally with a significant injury. Our step by step, practical approach will ensure that the participant is confident and competent in looking after all eventualities until professional help arrives.</p> <p>The SAFE Rugby techniques are adapted from emergency medicine and pre hospital emergency care best practices and are taught by highly experienced and skilled pre hospital care practitioners and senior medical staff from a variety of specialities including anaesthesia, orthopaedics and emergency medicine.</p> <p>SAFE Rugby courses at all levels include Basic Life Support / Advisory External Defibrillation training.</p> <p>Core skills include the initial approach to an injured player, managing suspected spinal and head injuries, managing fractures and joint injuries and concussion awareness.</p>
<b>Comment</b>	<p>The course director completed the mapping tables to the World Rugby outcomes and mostly repeated the content of WR ICIR course, as such the mapping is close to 100%, and course timetable, slides and assessments have been provided.</p> <p>There is a question if the tutor cohort would meet WR requirements as using paramedics. One difference is use American Heart Association content. The course is not accredited by a faculty of pre-hospital care.</p>

11	Sport Promote Sport Promote Course
<b>Data collection</b>	<ul style="list-style-type: none"> <li>• Manual</li> <li>• Slides</li> <li>• Assessment</li> <li>• Skill stations</li> <li>• Timetable</li> </ul>
<b>Course description</b>	<p>SportPromote has been developed to provide training for any healthcare professional who is required to care for an athlete or team of athletes. The course is primarily aimed towards doctors and physiotherapists.</p> <p>The course focuses on providing the knowledge and skills required to manage the acutely injured or unwell athlete. The course covers a wide range of conditions including the management of spinal and head injury, as well as cardiac arrest and collapse.</p> <p>By the end of the course the candidate should have the skills necessary to allow them to safely assess and manage the initial treatment of any athlete with a medical or trauma emergency whether on the training ground, or on the pitch.</p>
<b>Comment</b>	<p>Appears to map to the contents and core elements of the ICIR course. Timetable and manual provided.</p> <p>Course affiliated with the RCPSG (Glasgow) and has CPD approval for 9 points. Two day course plus pre-course reading.</p> <p>Competency assessment. Tutor consultant level.</p> <p>Assessment MCQ and scenarios.</p>

12	Canadian Red Cross/ Sports First Responder
	Sports First Responder
<b>Data collection</b>	<ul style="list-style-type: none"> <li>• Discussion</li> <li>• Programme standards and guidelines</li> <li>• Website</li> </ul>
<b>Course description</b>	<p>An intensive course for health care providers who respond to pre-hospital emergencies in a sports setting. The Canadian Red Cross curriculum of 40-44hrs is covered with credit given for prior knowledge. The course is enhanced with additional sports medicine content necessary for effective field interventions.</p> <p>The First Responder course is universally recognized as the entry level provider certification within the Emergency Medical Services (EMS) system.</p> <p>This intensive course certifies the sports medicine responder with a standardized level of basic emergency care as a ‘First Responder.’</p> <p>The responder integrates within the scope of their local EMS system, allowing better access, communication and collaboration during the preparation for, and execution of emergency medical interventions in the sports milieu.</p>
<b>Comment</b>	<p>Course gives external accreditation through Canadian Red Cross, programme guidelines detail course content, assessment and quality assurance – which show equivalency to ICIR course. Course is face to face 30-44 hours so longer than similar courses listed from around the world.</p>

13	Canadian Red Cross/ Sports First Responder Sport Emergency Medical Responder
<b>Data collection</b>	<ul style="list-style-type: none"> <li>• Discussion</li> <li>• Programme standards and guidelines</li> <li>• Website</li> </ul>
<b>Course description</b>	<p>Course provides the knowledge and skills necessary in an emergency to help sustain life, reduce pain, and minimize the consequences of injury or sudden illness in a pre-hospital setting.</p> <p>This is a 3-day adapted sport version of the Red Cross upgrade course to the level of EMR (88hrs). Sports-EMR is useful for those with professional/ junior-major level teams, institutions, high risk venues, and major sport events/games.</p> <p>Sports First Responder skills sets are expanded to the next level.</p> <p>Credit is given for prior knowledge and current SFR certification.</p>
<b>Comment</b>	<p>As a more advanced course than First Responder, can be considered equivalent to ICIR, advised does not meet criteria for AICIR.</p>



14	The Football Association
	Intermediate Trauma Medical Management in Football (ITMMiF)
Data collection	<ul style="list-style-type: none"> <li>• Discussion course leader</li> <li>• Timetable</li> <li>• Manual contents page</li> <li>• Assessment criteria</li> </ul>
Course description	<p>The FA level 4 Intermediate Trauma Medical Management in Football (ITMMiF) is a two-day intensive course at the intermediate level, aimed at those allied healthcare professionals who are responsible for immediate care and management of footballers both in the competitive and training environment. The pre-requisites of the course require the learner to have already completed basic first aid training.</p> <p>The ITMMiF will provide you a learning experience that will allow you to act as the primary care provider in the sports, pre-hospital environment of football.</p> <p>Life support, airway, fractures, wounds, head and neck injuries, medical emergencies.</p>
Comment	<p>Information provided matches to ICIR outcome. Two day course - content:</p> <ul style="list-style-type: none"> <li>• Medico-legal Issues and duty of care in football</li> <li>• Emergency action planning for football</li> <li>• Primary A-E approach of the injured player</li> <li>• Sudden Cardiac Arrest in football</li> <li>• Basic Life Support (BLS) with use of Automated External Defibrillators (AED)</li> <li>• Airway management and oxygen therapy</li> <li>• Limb threatening fractures/ dislocations and their emergency management</li> <li>• Head injuries and The FA concussion guidelines</li> <li>• Spinal injury and management (inclusive of extrication)</li> <li>• Medical emergencies in football</li> </ul>

15	Corobeus Sports Consultancy Ltd Emergency Medical First Aid in Sport (EMFAiS)
<b>Data collection</b>	<ul style="list-style-type: none"> <li>• Discussion course leader</li> <li>• Timetable</li> <li>• Manual contents page</li> <li>• Assessment criteria</li> </ul>
<b>Course description</b>	<p>EMFAiS is targeted at medical professionals and those allied to the medical profession and those working in sport on a regular basis at any level with the delivery of on-the-field care.</p> <p>EMFAiS will give successful candidates a Practitioner/Learner/Refresher experience that will allow them to act as a practitioner dealing with emergency athlete care in sport and exercise medicine on the field of play.</p> <p>It will provide a deeper knowledge that they can apply when working with other experienced health care practitioners and ambulance crews, as well as refreshing their own knowledge and experience of clinical skills already established and currently practised.</p>
<b>Comment</b>	<p>Timetable, contents and assessment match ICIR outcomes.</p> <p>Content same as football ITMMIF.</p>

16	Federazione Medico Sportiva Italiana FMSI Advanced PSSD
<b>Data collection</b>	<ul style="list-style-type: none"><li>• Discussion</li><li>• Course information</li><li>• Mapping</li></ul>
<b>Course description</b>	Accredited Italian course for medics.
<b>Comment</b>	Mapped and accredited course.

# COURSES SUPPORTED FOR EQUIVALENCE

## LEVEL 3 – EQUIVALENT TO ADVANCED IMMEDIATE CARE IN RUGBY (AICIR)

17	Rugby Football Union
	Pre Hospital Advanced Immediate Care in Sport (PHICIS) formally Advanced Immediate Care in Sport
<b>Data collection</b>	<ul style="list-style-type: none"> <li>• Online platform</li> <li>• Timetables</li> <li>• Discussion with course leader</li> </ul>
<b>Course description</b>	<p>The ICIS Level 3 course will address the Immediate Care training needs of doctors, physiotherapists and postgraduate allied medical personnel working at the professional/performance level of rugby and other contact and collision sports.</p> <p>It is approved by the Faculty of Pre-hospital care - Royal College of Surgeons of Edinburgh and is specifically designed to address the needs of those working within rugby union.</p> <p>The course draws on existing hospital emergency care courses, i.e. ALS, ATLS, and pre-hospital immediate care courses, i.e. PHEC, but has additional rugby/collision sport specific modules such as the on field assessment of concussion, wound care and wound closure.</p> <p>This course is for pitch side practitioners seeking advanced skills in the delivery of immediate care in sport.</p>
<b>Comment</b>	<p>The course is identical to the World Rugby ICIR and this has been verified through access to online materials and course timetables. Course accredited through Faculty of Pre-Hospital Care.</p>

18	Welsh Rugby Union
	Immediate Care in Rugby
<b>Data collection</b>	<ul style="list-style-type: none"> <li>• Online platform</li> <li>• Timetables</li> <li>• Discussion with course leader</li> </ul>
<b>Course description</b>	Same course as RFU Advanced Immediate Care in Rugby – description the same.
<b>Comment</b>	The course is identical to the RFU Advanced Immediate Care in Rugby and therefore equivalent to World Rugby ICIR, this has been verified through access to online materials and course timetables.

19	Hong Kong Rugby Union
	Pre Hospital Advanced Immediate Care in Sport (PHICIS) formally Advanced Immediate Care in Sport
<b>Data collection</b>	<ul style="list-style-type: none"> <li>• Online platform</li> <li>• Timetables</li> <li>• Discussion with course leader</li> </ul>
<b>Course description</b>	Same course as RFU Advanced Immediate Care in Rugby – description the same.
<b>Comment</b>	The course is identical to the RFU Advanced Immediate Care in Rugby and therefore equivalent to World Rugby ICIR, this has been verified through access to online materials and course timetables.

20	Irish Rugby Football Union SAFE Rugby 3
<b>Data collection</b>	<ul style="list-style-type: none"> <li>• Discussion with course director</li> <li>• Completed mapping tables</li> <li>• Timetable, slides, assessments</li> </ul>
<b>Course description</b>	<p>The SAFE Rugby, Standard Approach to Field Emergencies in Rugby - programme aims to provide rugby specific, pitch side emergency care training and skills to medical staff and non-medical individuals involved at all levels in Irish rugby.</p> <p>SAFE Rugby has been designed to provide a standardised method of assessment and management of the initial stages of injuries occurring in rugby. Our programme recognises the fact that most people involved in rugby will only deal very occasionally with a significant injury. Our step by step, practical approach will ensure that the participant is confident and competent in looking after all eventualities until professional help arrives.</p> <p>The SAFE Rugby techniques are adapted from emergency medicine and pre hospital emergency care best practices and are taught by highly experienced and skilled pre hospital care practitioners and senior medical staff from a variety of specialities including anaesthesia, orthopaedics and emergency medicine.</p> <p>SAFE Rugby courses at all levels include Basic Life Support / Advisory External Defibrillation training</p> <p>Core skills include the initial approach to an injured player, managing suspected spinal and head injuries, managing fractures and joint injuries and concussion awareness.</p>
<b>Comment</b>	<p>The course director completed the mapping tables to the World Rugby outcomes and mostly repeated the content of WR ICIR course, as such the mapping is close to 100%, and course timetable, slides and assessments have been provided.</p> <p>There is a question if the tutor cohort would meet WR requirements as using paramedics. One difference is use American Heart Association content. The course is not accredited by a faculty of pre-hospital care.</p>

21	Scottish Rugby
	SCRUMCAPS
Data collection	<ul style="list-style-type: none"> <li>· Discussion with course leader</li> </ul>
Course description	All aspects mapped as same as World Rugby outcomes.
Comment	Discussion with course leader confirmed equivalence. Course accredited through Faculty of Pre-Hospital Care.

22	The Football Association
	Advanced Trauma Medical Management in Football (ATMMIF)
Data collection	<ul style="list-style-type: none"> <li>· Discussion course leader</li> <li>· Timetable</li> <li>· Manual contents page</li> <li>· Assessment criteria</li> </ul>
Course description	<p>The FA Advanced Trauma Medical Management in Football course is a training programme that is designed to address the needs of doctors and physiotherapists that are primarily responsible for the pre-hospital management of the acutely injured/ill footballer in a football environment. It provides the skills to act as the team leader in the event of a life of limb threatening injury in football.</p> <p>It is a highly practical and interactive course that develops essential core and extended skills through a series of skill stations, rapid practice scenarios and formative and summative assessments. The course is accredited with the Faculty of Pre Hospital Care, Royal College of Surgeons (Edinburgh) and delivered on a regional basis in professional football clubs and at St. George's Park. Requests for delivery from professional football clubs and sports environments outside England would be considered.</p> <p>The course is a mixture of didactic and practical learning with supportive demonstrations and question/answer sessions. Successful learners will have achieved competency in all aspects of the course content requirements, essentially the ability to perform a structures A-E assessment of an acutely injured player under pressure and to manage effectively what is found.</p>
Comment	Included for equivalency as an accredited course through Edinburgh faculty, timetable, contents and assessment match AICIR outcomes.

23	Rugby Football League Immediate Medical Management on the Field of Play (IMMOFP)
<b>Data collection</b>	<ul style="list-style-type: none"> <li>• Discussion course leader</li> <li>• Timetable</li> <li>• Manual contents page</li> <li>• Assessment criteria</li> </ul>
<b>Course description</b>	<ul style="list-style-type: none"> <li>• Scene Safety</li> <li>• Abnormal respiratory sounds and asphyxia</li> <li>• Choking</li> <li>• Basic Life Support</li> <li>• Paediatric BLS</li> <li>• Electrical Conduction System of the Heart</li> <li>• Automated External Defibrillators</li> <li>• Airway Management</li> <li>• Resuscitation Pocket Masks</li> <li>• Suction</li> <li>• Suction</li> <li>• Advanced Airway Techniques</li> <li>• Oxygen Therapy</li> <li>• Pulse and Blood Pressure</li> <li>• Intravenous Cannulation</li> <li>• The Heart, Circulation and Heart Conditions</li> <li>• Unconsciousness</li> <li>• Head Injuries</li> <li>• Cervical and Spinal Injuries</li> <li>• Wounds and Bleeding</li> <li>• Fractures</li> <li>• Chest Injuries</li> <li>• Chest Injuries</li> <li>• Soft Tissue Injuries</li> <li>• Dental Injuries</li> <li>• Eye Injuries</li> </ul>
<b>Comment</b>	Included for equivalency as an accredited course through Edinburgh faculty, timetable, contents and assessment match AICIR outcomes.



24	<p>Corobeus Sports Consultancy Ltd</p> <p>Emergency Medical Management in Individual and Team Sports (EMMiTS)</p>
<b>Data collection</b>	<ul style="list-style-type: none"> <li>• Discussion course leader</li> <li>• Timetable</li> <li>• Manual contents page</li> <li>• Assessment criteria</li> </ul>
<b>Course description</b>	<p>EMMiTS is an advanced first aid course and is aimed at the medical professional (inclusive of Doctor and Therapist) with post graduate experience in sport and exercise medicine working at the semi-professional and elite levels of sport.</p> <p>EMMiTS is approved (Level II faculty prehospital care) by the Royal College of Surgeons Edinburgh (RCSEd) and at the Gold standard award by the Association of Chartered Physiotherapists in Sports Medicine (ACPSM).</p>
<b>Comment</b>	<p>Included for equivalency as an accredited course through Edinburgh faculty, timetable, contents and assessment match AICIR outcomes. Course currently not being offered and faculty accreditation on hold.</p>

## COURSES WITH INSUFFICIENT INFORMATION

Several courses were listed to be included in the study but the researcher has so far not been able to receive the necessary information to form a view on them and recommend them for equivalency.

A final request for information was made on 3 July 2017 for them to be included in the study.

## COURSES ORIGINALLY SUGGESTED NOW DELETED FROM STUDY

Following discussion with WR Pitch Side Working Group members or the course leader for the named course the following courses originally listed for analysis were not included in the study:

- Canadian Group Emergency Services - Sports first Aid
- International Federation of Sports Medicine - FIMS Team Physician Development Course
- CASEM - Sidelines Emergency Course
- FSEM - Diploma in SEM
- ACSM
- Asia Rugby first aid course

## COURSES FOUND NOT EQUIVALENT

Feedback suggests the competency assessment requirement of the following course is insufficient for mapping and equivalency, however the Member Union would like to discuss facilitating equivalency in future with World Rugby:

- Welsh Rugby Union - Introduction to Immediate Care in Rugby
- The ITLS South Africa course was considered by the Pitch Side Care Working Group who decided not to include in the list for equivalence.

## COURSE WHERE FURTHER UPDATE REQUIRED

Due to change in personnel at the provider and the project researcher being unable to speak with the relevant person, the following course is not included for equivalency at this time; it is thought there are changes to the course being made.

- RCSI Faculty of Sports and Exercise Medicine - Standard Principles of Resuscitation & Trauma in Sports (SPoRTS) course

## OTHER COURSES LISTED IN GLOBAL MEMBER UNION STUDY

It was clear from the Global Survey that any courses offered by Member Unions were already included in the study, with many Unions offering the WR courses. Some other courses were mentioned for potential inclusion and these can be considered for analysis in any future work.

- Red Cross International First Aid
- St John Ambulance
- Emergency Care & Safety Institute (ECSI)
- National Safety Council (NSC)
- Sports Medicine Australia First Aid courses
- Canadian Academy of Sports and Exercise Medicine Field Side Care Course
- Italian Medical Sports Federation FMSI PSS-D First Aid PSS-D Workgroup for Advanced PSS-D Laws for Doctors

Other courses can be included with a Phase 2 of the work at the direction of World Rugby

# DISCUSSION OF MAPPING

## TARGET GROUP

All of the courses suggested for equivalency are consistent with the World Rugby target group for each level of course, namely the courses equivalent to FAIR are aimed at coaches, parents, officials, administrators etc and those equivalent to ICIR/AICIR are aimed at healthcare professionals, normally holding a medical degree.

## FORMAT/ DURATION

The format and duration for suggested courses for equivalency are broadly in line with those of the World Rugby courses. At levels 2 and 3 some courses can demonstrate being 10 hours minimum (level 2) or 20 hours minimum (level 3). However not all courses can demonstrate being 2 days for level 2 or 3 days for level 3. World Rugby may have to make a decision whether this is a “red line” for equivalency and mapped courses at levels 2 and 3 must be 2 and 3 days in length to gain acceptance as equivalent. The medical education group will need to debate this point. All courses at level 2 and 3 have pre-course reading and/ or online test pre-requisites.

## INSTRUCTOR BACKGROUND/ RATIO

The ratio for Level 1 was in the region of 1 – 10 with the maximum of 1 – 12. For Level 2 around 1 – 6 is the norm, with some as high as 1 – 12. At level 3 the ration was between 1 – 3 and 1 – 6 for the various courses. Individual courses can be examined further if needed. Instructor background for Level 1 was at least an experienced medical educator, with Level 2 and 3 the medical trainers coming from a medical and hospital setting.

## AIMS/ LEARNING OUTCOMES

Not all courses were written in learning outcomes, in these cases content areas were used for mapping in this section. Learning outcomes for courses suggested for equivalence were of sufficient mapping to be included in the final recommendations; further details on any course can be provided if needed.

## ASSESSMENT

Knowledge and competency assessment are a feature of all courses suggested for equivalency at all levels. A sample of theory questions has been seen for some courses, and skill stations/ competency tests have been seen for most courses.

## PRE-REQUISITES

Pre-requisites normally involved some pre-course reading and online study, in some cases this is rugby-specific, however it is clear that for more generic sports courses the pre-reading is not rugby specific.

## CONTENT AREAS

Content areas for each course were mapped using manual contents pages, online material and course timetables. The main content areas from the World Rugby courses were used as the benchmark which must be included for each course to be included in the study.

## PRE-COURSE READING/ SUPPORT MATERIAL

All courses included have a requirement for pre-course reading of manuals or online material. It should be noted that not all manuals were seen in full, possibly due to confidential nature, in some cases only key aspects such as contents page were viewed in the study.

## TIMETABLE

The timetable for courses included in the study was mapped to ensure length of time on key topics matched that in the World Rugby courses.

## QUALITY ASSURANCE

Where possible information on quality assurance was collected. Observed teaching, co-teaching, lecturer feedback, participant feedback (evaluation forms) and instructor skill tests were normal practices across the courses. Some courses did not report on this element and follow up information can be requested if required.

The following statement applies to seven of the courses included:

*We have faculty meetings twice a year and then once every 2 years a full faculty course where all tutors meet up and peer review each other We have an instructor candidates tutor program too where they are mentored and peer reviewed We take information from JRCALC NICE FHPC and consensus statements to inform practice We have dropbox share file and whats app to keep up to date and add new content for each other to review We have action plans that show who needs to do what etc*

## ACCREDITATION

Most courses included hold external accreditation. In the UK and Ireland this is mainly from the Faculty of Pre-Hospital Care, Edinburgh. A small number of courses are accredited on the national qualifications framework of their home country. Other courses are endorsed by sports governing bodies.

## LENGTH OF VALIDITY

For most courses at all levels validity is 2 or 3 years, with reaccreditation required.

## RUGBY SPECIFIC REVALIDATION

Although only applying to UK and Ireland, the Faculty of Pre-Hospital Care (Edinburgh) endorse some of the courses listed in the study.

They state that recognition of equivalence is important, as many individuals work across a variety of sports. They are in agreement that if an individual is up to date from one endorsed course, that qualification will be recognised without the need to attend a sport-specific course. It would however be advisable for an individual working in one specific sport to go through the revalidation process associated with the course linked to that sport.

It is recommended that where courses are included for equivalence from other sports besides rugby or from generic sports courses, while the practitioner can be accepted, they should seek their reaccreditation in rugby if that is the main sport they now operate within.

## CONCLUSION

This study has collected relevant information which it was possible to collect from providers of first aid and medical education in sport. Although gaps remain in some areas, EOSE presents a first tranche of course for consideration of equivalence to World Rugby.

In addition to the basic information presented in this report EOSE holds all information collected which can be used to discuss any particular course further with World Rugby and Pitch Side Group Members.

# APPENDIX 1

## WORLD RUGBY COURSES - FIELDS FOR MAPPING

TITLE	Level 1 - World Rugby First Aid In Rugby (FAIR)
<b>Course description</b>	Training as a layperson responder in sports first aid
<b>Target Group</b>	Coaches, teachers, parents, officials and interested others who may be asked to respond to an injured rugby player
<b>Format/ duration</b>	50% online 50% Attendance Minimum duration 8 hours
<b>Instructor background/ ratio</b>	WR Medical Educator Definition: Individual with Level 2 or equivalent training and the IRB Medical Educator accreditation.
<b>Aims/ Learning Outcomes</b>	<ul style="list-style-type: none"> <li>• Plan and risk assess for potential emergency situations at sports grounds.</li> <li>• Appreciate safety hazards for a first aider.</li> <li>• Protect the neck and perform an assessment of airway, breathing and circulation.</li> <li>• Recognise the difficulties in telling major and minor injury apart in the early stages – particularly head injuries</li> <li>• Recognise cardiac arrest and perform effective basic life support and safe defibrillation.</li> <li>• Initially manage a potentially spinally injured player safely in an emergency situation.</li> <li>• Understand the role of the first aider in the chain of survival.</li> <li>• Manage common limb injuries including sprains, strains and fractures.</li> <li>• Activate appropriate help</li> </ul>
<b>Assessment</b>	Attendance plus competency assessment checklist
<b>Pre-requisites</b>	Over 14. Completion of online courses First aid in rugby and rugby ready
<b>Content areas</b>	<ul style="list-style-type: none"> <li>• General principles</li> <li>• Standard approach to injury on the field of play</li> <li>• Head injuries in Rugby Union</li> <li>• Managing the airway in an injured athlete</li> <li>• Neck and spinal injuries in Rugby Union</li> <li>• Breathing assessment and chest injuries</li> <li>• Circulation and shock</li> <li>• Cardiac arrest and choking</li> <li>• Limb injuries</li> <li>• Medical problems</li> </ul>
<b>Timetable</b>	<ul style="list-style-type: none"> <li>• Standard Assessment Workshop – the injured rugby player – intro to Dr ABC and MILS (30 mins)</li> <li>• Airway workshop (45 mins)</li> <li>• Breathing and choking workshop (45 mins)</li> <li>• Circulation, bleeding and shock (30 mins)</li> <li>• CPR / AED (60 mins)</li> <li>• Head and spinal injury workshop (60 mins)</li> <li>• Limb injury workshop (45 mins)</li> <li>• Medical problems (30 mins)</li> <li>• Practical scenario practice (60 mins)</li> <li>• EAP and closure (20 mins)</li> </ul>

TITLE	Level 2 – World Rugby Immediate Care in Rugby (ICIR)
Course description	Sports immediate care training for pitch side healthcare professionals
Target Group	Physiotherapists or athletic trainers, sports rehabilitation and doctors who provide formal pitch side medical cover
Format/ duration	20% online 80% attendance Minimum duration 10 hours (2 days)
Instructor background/ ratio	WR Senior Medical trainer
Aims/ Learning Outcomes	<ul style="list-style-type: none"> <li>• Plan and risk assess for potential emergency situations at sports grounds</li> <li>• Appreciate safety hazards for working pitch side in the sporting setting</li> <li>• Through a structured initial assessment protect cervical spine injuries and perform of a rapid primary survey – ABCDE</li> <li>• Effectively manage compromised airways</li> <li>• Recognise immediate and potentially life threatening thoracic trauma</li> <li>• A systematic approach to circulation assessment, an understanding of the management of circulatory collapse (haemorrhagic and non-haemorrhagic) with understanding of balanced fluid resuscitation</li> <li>• Assessment and management of head and facial injured athletes with an understanding of pitch side concussion management</li> <li>• Recognise cardiac arrest and perform effective basic life support with safe defibrillation.</li> <li>• Handle a potentially spinally injured player safely in an emergency situation and team lead for safe extrication from the field of play</li> <li>• Manage serious limb injuries safely and effectively including open and closed fractures and dislocations</li> <li>• Recognise and manage immediate medical emergencies</li> </ul>
Assessment	Knowledge and competency based assessment.
Pre-requisites	Healthcare professional qualification and online courses First aid in rugby, concussion and immediate care in rugby
Content areas	<ul style="list-style-type: none"> <li>• Initial assessment and management</li> <li>• Basic life support</li> <li>• Advanced life support</li> <li>• Airway management and ventilation</li> <li>• Breathing and chest trauma</li> <li>• Circulation and shock</li> <li>• Head injuries and concussion</li> <li>• Facial injuries in sport</li> <li>• Spinal injuries</li> <li>• Musculoskeletal trauma</li> <li>• Wound care</li> <li>• Medical emergencies</li> <li>• Medical equipment</li> <li>• Medical gases</li> <li>• Emergency action planning</li> </ul>
Timetable	<ul style="list-style-type: none"> <li>• Initial assessment (1h)</li> <li>• Airway assessment and management (40 mins)</li> <li>• Breathing assessment and management (40 mins)</li> <li>• Circulation assessment and management (40 mins)</li> <li>• Neurological disability inc concussion (30 mins)</li> <li>• Spinal trauma (35 mins)</li> <li>• Musculoskeletal trauma (40 mins)</li> <li>• Medical emergencies (30 mins)</li> <li>• Basic life support/ defib (45 mins)</li> </ul>



TITLE	Level 3 – World Rugby Advanced Immediate Care in Rugby (AICIR)
Course description	Advanced immediate care training for pitch side healthcare professionals
Target Group	Physiotherapists or athletic trainers, sports rehabilitation and doctors who provide formal pitch side medical cover within an immediate care governance structure/ performance sport.
Format/ duration	20% online. 80% attendance Minimum duration 20 hours (3 days)
Instructor background/ ratio	WR Senior Medical Trainer
Aims/ Learning Outcomes	<ul style="list-style-type: none"> <li>• As level 2 but in with greater emphasis on team leading, variations on techniques and equipment, invasive skills, simulation and competency based assessment. This to include:</li> <li>• Advanced and surgical airway management</li> <li>• Advanced thoracic trauma management including tension pneumothorax needle decompression and open chest wounds</li> <li>• Advanced circulation management including IV &amp; IO access, balanced fluid resuscitation, pelvic sling stabilisation and femoral shaft splintage</li> <li>• Management of a potentially spinally injured player safely in an emergency situation and team lead for safe extrication from the field of play. To include cervical spine clearance</li> <li>• Advanced life support in the arrested athlete</li> <li>• Wound care management</li> <li>• Medical equipment including medical gases</li> </ul>
Assessment	Knowledge and competency assessment
Pre-requisites	Healthcare professional qualification plus complete online courses First aid in rugby, concussion, Immediate care in rugby
Content areas	<ul style="list-style-type: none"> <li>• Advanced life support</li> <li>• Airway management</li> <li>• Basic life support</li> <li>• Breathing &amp; Chest trauma</li> <li>• Circulation</li> <li>• Facial dental eye</li> <li>• Head injury</li> <li>• Initial assessment</li> <li>• Medical emergencies</li> <li>• Musculoskeletal trauma</li> <li>• Spinal trauma</li> </ul>
Timetable	<ul style="list-style-type: none"> <li>• Basic life support (45 mins)</li> <li>• Advanced life support (1 h)</li> <li>• Initial assessment (50 mins)</li> <li>• Airway management (1 h40)</li> <li>• Breathing and chest trauma (1h)</li> <li>• Circulation and shock (1h)</li> <li>• Head injuries neurological assessment (50 mins)</li> <li>• Facial dental eye injuries (20 mins)</li> <li>• Muskuloskeletal trauma (1h20mins)</li> <li>• Spinal trauma (1h35mins)</li> <li>• Medical emergencies (30mins)</li> </ul>



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