Setting the standards for registered UK Clinical Exercise Physiologists

Clinical Exercise Physiology UK

# "Clinical Exercise Physiology-UK: the journey so far..."

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### Roadmap

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DEFINE	REGISTER	DEVELOP	COLLABORATE	PROMOTE
the scope of practice and standards of proficiency for a Clinical Exercise Physiologist in the UK	Clinical Exercise Physiologist as a title on the Professional Standards Agency voluntary register	a University curriculum that meets accreditation standards	to create professional development opportunities and endorsed educational pathways	university trained accredited Clinical Exercise Physiologists in the NHS and private sector



### Where to start?

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#### BMJ Open Sport & Exercise Medicine

### Charter to establish clinical exercise physiology as a recognised allied health profession in the UK: a call to action

Helen Jones <sup>(i)</sup>, <sup>1</sup> Keith P George, <sup>1</sup> Andrew Scott, <sup>2</sup> John P Buckley, <sup>3</sup> Paula M Watson, <sup>1</sup> David L Oxborough, <sup>1</sup> Dick H Thijssen, <sup>1,4</sup> Lee E F Graves, <sup>1</sup> Greg P Whyte, <sup>1</sup> Gordon McGregor <sup>(i)</sup>, <sup>5,6</sup> Louise H Naylor, <sup>7</sup> Michael Rosenberg, <sup>7</sup> Christopher D Askew, <sup>8,9</sup> Daniel J Green<sup>7</sup>







Define

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The areas of an individual's profession that they have the <u>knowledge</u>, <u>skills</u> and <u>experience</u> to practice safely and

effectively.

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**The Scope of Practice** for a UK Clinical Exercise Physiologist

www.clinicalexercise



### What is the role of a Clinical Exercise Physiologist (CEP)

CEPs specialise in exercise testing and assessment, alongside the design, delivery and evaluation of evidence-based exercise interventions. CEP scope of practice encompasses apparently healthy individuals to those with chronic and complex conditions, along the care pathway from primary prevention, through acute management, to rehabilitation and maintenance. Interventions are exercise or physical activity-based and also include health and physical activity education, advice and support for lifestyle modification and behaviour change. CEPs work in a range of primary, secondary and tertiary care settings as part of a multidisciplinary team of health care and rehabilitation providers and in community settings.

### Regulator

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accredited register

- Maintaining and publishing a publicly accessible register of properly qualified members of the professions
- Promoting awareness of the Register among employers and education providers
- Working in partnership with professional bodies to promote the highest standards of professionalism
- Approving high standards of education and training and continuing professional development
- Investigating concerns and taking appropriate action

### Register

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Health professionals who meet the standards for their training, professional skills and behaviour.



Since Dec 2021 Clinical Exercise Physiologists eligible for professional registration

Clinical Exercis



Declaration on yearly renewal

### Develop

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MSc Clinical Exercise Physiology Curriculum Framework

## **Curriculum Framework Feedback**

### Who responded?



ESSA:

90.3% ... of respondents said the content in the curriculum framework is to the standards of a master's level degree.



How many respondents think that the sections reflect that of a Clinical Exercise Physiologist in the UK?

### **Taught Content**

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### **Practice-based learning**

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- Hours =Total 250 hours (minimum), 140 in clinical setting, 110 course based/simulated
- Reflects taught content/ Scope of Practice
- Organised by the University-specific learning outcomes and assessment
- Support for student and clinical supervisors
- Students must have appropriate level of knowledge and skill before entering clinical setting

### All hours must be logged

#### Appendix B

#### Clinical Exercise Physiology Practice-Based Logbook

#### Name:

#### SCREENING AND RISK STRATIFICATION

- 1. Assessing and stratifying exercise related risk using evidence-based tools
- 2. Obtaining relevant health information and medical history
- Strategies and measurements used to assess and manage health status
   Methods used to record and report changing risk factors and adverse signs and symptoms
- Methods used to record and report changing risk factors and adverse signs and symptot

DATE	No. HRS	MODULE	CLIENT OR PATIENT(S) DESCRIPTION (HEALTHY/CLINICAL*) "Whilst a client/patient may have co-morbidities, the primary condition must be noted.	DESCRIPTION (PART of MODULE LAB/ PRACTICE/ SIMULATION/ ASSESSMENT)

### **Practical Competencies CEP-(CAP)**

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 Professional Practice Assessment Criteria

 Practical/Procedural Skill Assessment Criteria

 Exercise Prescription and Delivery Assessment Criteria Can be embedded within learning and assessments of modules

### **Accredited MSc CEP**

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GRADUATE ROUTEWAYPass an AHCS accredited MSc in<br/>Clinical Exercise Physiology<br/>Follow the curriculum standards and<br/>Standards of Proficiency, pass CEP-<br/>CAP, complete required clinical<br/>placement hours



The first university MSc is accredited by AHCS in the UK (May '23).

for icardio project (August '19).

ESTABLISHED CEP-UK Steering group was named Clinical Exercise Physiology UK (CEP-UK) and recognised as a

BASES Advisory Group (October '21).



\*Future conservative projections for workforce:

278 (equivalence) + 280 per year (14 MSc courses @ 20 per course per year (graduate) = ~1678 by 2029

### Leadership in healthcare for CEPs

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Entry step point

	Gareer Development Framework for the Exercise Workforce in Cardiac Rehabilitation
To progress from BAND 4	BSc Sports and Exercise Science or related field
To progress from BAND 5	Academy for Healthcare Science (AHCS) Registered
To progress from BAND 6	Management/ Leadership of service Experience of service delivery Research involvement and service development Implementing policies Conduct appraisals
To progress from BAND 7	<ul> <li>Qualification in Leadership</li> <li>Evidence generating income to improve service delivery</li> <li>Evidence of strategic planning and/or research activity</li> <li>Implement specialist training for team/service</li> <li>Financial management</li> </ul>
To progress from BAND 8	Principle investigator leading local or national research and/or service provision Contribution to at least national strategies Financial and physical management Knowledge and ability to provide specialist training nationally Acknowledgement by peers

Band 5	£28,407
Band 6	£35,392
Band 7	£43,742
Band 8a	£50,952
Band 8b	£58,972
Band 8c	£70,417
Band 8d	£83,571
Band 9	£99,891

# Standard job descriptions for cardiac exercise workforce

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Band 6 – Specialist Clinical Exercise Physiologist	Essential	Desirable	Measure: AF = Application form I = Interview A = Assessment test
Education and Qualificatio	ns		
BSc in Sport and Exercise Science/Exercise Physiology or closely related endpect	Х		AF / I
Academy of Healthcare Science (AHCS) registration via AHCS accredited MSc in Clinical Exercise Physiology or via AHCS Clinical Exercise Physiologist equivalence routeway	Х		AF / I
ANCS registration as a CEP annually maintained	Х		AF / I
Experience and Knowledge	;e		
Specialist knowledge and experience of working with people with cardiac and comorbid populations	Х		AF / I
Experience of leading structured and graded exercise programmes for people with cardiovascular and co-morbid conditions, e.g., cancer, pulmonary etc	X		AF / I
Experience of leading the development of exercise programmes for people with cardiac conditions	Х		AF / I
Experience of leading fitness assessments for people with cardiac conditions	Х		AF / I
Experience of leading group education sessions	Х		AF / I
Up to date knowledge of national and local strategies to reduce cardiovascular disease	Х		AF / I
Have thorough knowledge of relevant professional standards	Х		AF/I
Up to date knowledge of evidence-based research literature and other international guidelines	Х		AF / I
Knowledge of the research process and willingness to be involved in research related to the service		Х	AF / I

Band 8a-c Consultant Clinical Exercise Physiologist	Essential	Desirable	Measure: AF = Application form I = Interview A = Assessment test
Education and Qualification		1	1
BSc in Sport and Exercise Science/Exercise Physiology or closely related conjuct	х		AF / I
Academy of Healthcare Science (AHCS) registration via AHCS accredited MSc in Clinical Exercise Physiology or via AHCS Clinical Exercise Physiologist (CEP) equivalence routeway	×		AF / I
AHCS registration as a CEP (annually maintained)	х		AF / I
Poctorate level qualification e.g. PhD or ProfDoc		X	AF / I
Leadership, Wangement	x		AF / I
Experience and Knowled	ge	1	•
Highly specialist knowledge and extensive experience of working with complex cardiovascular conditions and comorbid populations	х		AF / I
Extensive experience of managing staff leading structured and graded exercise programmes for people with cardiovascular and co-morbid conditions e.g., cardiovascular, cancer, pulmonary etc	x		AF / I
Extensive experience of managing staff leading the development of exercise programmes for people with cardiovascular conditions	x		AF / I
Extensive experience of managing staff leading relevant clinical assessments for people with cardiovascular conditions	x		AF / I
Extensive experience of managing staff leading group education sessions	x		AF / I
Contribute to the provision of local, regional, national strategies to reduce cardiovascular disease and its clinical management	х		AF / I
Contribute to the relevant national or international strategies or guidelines	Х		AF / I
Extensive experience in implementing evidence-based research practice	х		AF / I
Evidence of generating research income (lead/principle investigator)	Х		AF / I
Extensive experience of leading research, audit and service evaluation	х		AF / I
Experience in the design and implementation of own research and has a relevant research portfolio	х		AF / I
Experience of being responsible for financial & physical resources	Х		AF / I
Extensive experience of planning and managing highly complex clinical caseloads	х		AF / I

### **Research studies**

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DISABILITY AND REHABILITATION https://doi.org/10.1080/09638288.2023.2225879

ORIGINAL ARTICLE https://doi.org/ 10.1080/09638

https://doi.org/ 10.1080/09638288.2023.2225879

Insights and recommendations into service model structure, staff roles and qualifications in a UK cancer specific clinical exercise service: a multi-method qualitative study

Anthony Crozier<sup>a</sup> (b), Paula M. Watson<sup>a</sup>, Lee E. Graves<sup>a</sup>, Keith P. George<sup>a</sup>, David Richardson<sup>b</sup>, Louise Naylor<sup>c</sup>, Daniel J. Green<sup>c</sup>, Michael Rosenberg<sup>c</sup> and Helen Jones<sup>a</sup>

Journal of Clinical Exercise Physiology Multi-stakeholder perspectives of the knowledge and skills of a clinical exercise physiologist in the UK --Manuscript Draft--

Manuscript Number:	
Full Title:	Multi-stakeholder perspectives of the knowledge and skills of a clinical exercise physiologist in the $UK$
Article Type:	Original Research
Keywords:	Clinical exercise physiology; competencies; experiences
Corresponding Author:	Helen Jones, PhD Moores University - City Campus: Liverpool John Moores University DOM

### High INtensity Interval Training in pATiEnts with Intermittent Claudication: A Qualitative Acceptability Study

Taylor & Francis

Taylor & Francis Group

OPEN ACCESS

Sean Pymer,<sup>1</sup> Amy, E. Harwood,<sup>2,3</sup> Saïd Ibeggazene,<sup>1</sup> Gordon McGregor,<sup>2,4,5</sup> Chao Huang,<sup>6</sup> Adam, R. Nicholls,<sup>3</sup> Lee Ingle,<sup>3</sup> Judith Long,<sup>7</sup> Marjorie Rooms,<sup>8</sup> Ian C Chetter,<sup>1</sup> and Maureen Twiddy,<sup>6</sup> Hull and Coventry, UK

#### Open access

BMJ Open <u>Mo</u>bile heal<u>t</u>h <u>bi</u>ometrics to prescribe immediate remote physical activity for enh<u>a</u>ncing up<u>t</u>ak<u>e</u> to <u>c</u>ardiac <u>r</u>ehabilitation (MOTIVATE-CR+): protocol for a randomised controlled feasibility trial

#### Open access

#### Original research

**BMJ Open** Development of a complex exercise rehabilitation intervention for people with pulmonary hypertension: the supervised pulmonary hypertension exercise rehabilitation (SPHERe) trial

Stuart Ennis <sup>(0)</sup>, <sup>1,2</sup> Harbinder Kaur Sandhu <sup>(0)</sup>, <sup>1</sup> Julie Bruce <sup>(0)</sup>, <sup>1</sup> Kate Seers <sup>(0)</sup>, <sup>3</sup> Tamar Pincus, <sup>4</sup> Martin Underwood, <sup>1</sup> Gordon McGregor <sup>(0)</sup>, <sup>1,2</sup>

### **Career as CEP (from school leavers)**

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Home > Explore roles > Healthcare science > Roles in healthcare science > Physiological sciences > Clinical exercise physiologist

#### Sack to Explore roles

> Healthcare science

- > Roles in healthcare science
- > Physiological sciences

Clinical exercise physiologist

**Compare roles** 

### **Clinical exercise physiologist**

Clinical exercise physiologists are responsible for prescribing and delivering evidencebased exercise to help patients prevent, treat and manage their long-term conditions.





### PROMOTE

university trained accredited Clinical Exercise Physiologists in the NHS and private sector

# Prehab4Cancer: Findings and recommendations

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Icons presented from https://thenounproject.com - Patient Icons (Binpodo) - Cycling Gym Machine (Gan Khoon Lay)

## Thank you for listening... Questions?



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