

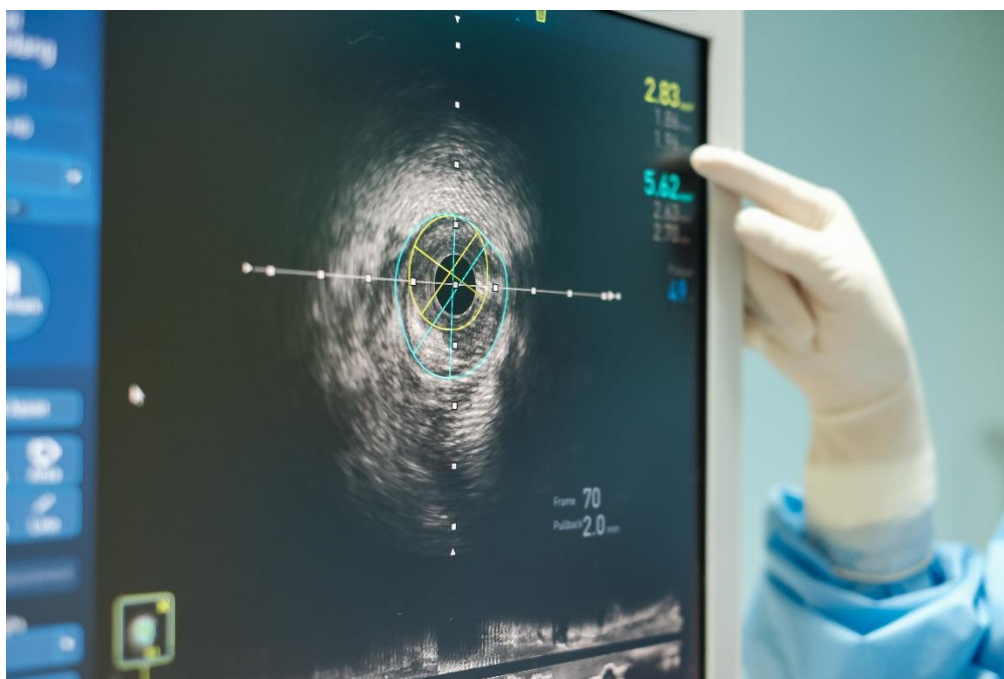


Consortium for the  
Accreditation of  
Sonographic Education

# ANNUAL REPORT

## 2021 - 2022

*(1<sup>st</sup> October 2021 to 30<sup>th</sup> September 2022)*



BMUS

 British Society  
of Echocardiography

 CHARTERED  
SOCIETY  
OF  
PHYSIOTHERAPY

 ROYAL COLLEGE  
of PODIATRY

IPeM

 CoR  
THE COLLEGE OF  
RADIOGRAPHERS

 THE SOCIETY FOR  
VASCULAR TECHNOLOGY OF  
GREAT BRITAIN AND IRELAND

## INDEX

	<i><b>Page</b></i>
Introduction from the Chair	<u><a href="#">2</a></u>
About CASE	<u><a href="#">4</a></u>
About the Member Organisations	<u><a href="#">4</a></u>
How CASE works	<u><a href="#">5</a></u>
Mission Statement and Aims	<u><a href="#">6</a></u>
Sonographer Workforce Update	<u><a href="#">7</a></u>
British Society of Echocardiography Re-joins CASE	<u><a href="#">9</a></u>
Accrediting Musculoskeletal Courses	<u><a href="#">11</a></u>
Achievements in 2021 - 2022	<u><a href="#">14</a></u>
CASE Finances	<u><a href="#">16</a></u>
Looking Forward	<u><a href="#">17</a></u>
CASE Accredited Courses	<u><a href="#">18</a></u>
CASE Committee	<u><a href="#">19</a></u>
CASE Accreditors	<u><a href="#">19</a></u>
Contact Details	<u><a href="#">20</a></u>

## Introduction from the CASE Member Organisation's Chair



**Phil Morgan, IPEM CEO**

### Welcome to the CASE Annual Report 2021 - 2022

I could not put it better than the words of Committee Chair Dr Heather Venables, who in one of her contributions to this report says: “The central purpose of CASE is to provide assurance that ultrasound trainees completing an accredited course are safe, competent and have a clear and confident understanding of their scope of practice. This is at the heart of why CASE exists.”

2021/22 has been great year for CASE. The backlog that arose during the COVID pandemic has been approached systematically and sensibly, with the introduction of light touch reaccreditation. This, and being active, taking positions and interacting regularly with NHS England, shows a relevant organisation with a practical approach to problem solving. Putting a clinical advisor on the accreditation teams, and innovations such as drop-in sessions for accreditors and debriefing meetings between accreditors and Committee members to ensure concerns are heard and decisions can be taken quickly, shows a forward thinking and agile approach. The achievements you will discover in this annual report highlight the work of the Consortium in support of the standards of practice that underpin Heather’s comment. The full list starts on page 14. I thank the CASE Committee for their hard work in making it all happen.

The year marked two important ‘returns’ – firstly, after the pandemic and the operational difficulties that ensued, CASE returned to financial surplus, which means the reserves are once again growing. Secondly, it was a pleasure to welcome back the British Society of Echocardiography, who re-joined as a Member Organisation. Jo Sopala, BSEcho’s Chief Executive sets out why on pages 9 and 10, and as with Heather’s comments above, I think she hits the nail on the head when she says “patient safety remains at the forefront of all of our minds and that is why CASE’s role is so important. CASE accreditation provides assurance that all ultrasound trainees completing an accredited course are safe, competent and have a clear and confident understanding of their scope of practice.”

In addition to repeating my thanks to the committee, I would like to thank all the accreditors, all those who work with them and the representatives of the Member Organisation, whose ongoing support maintains the Consortium. I would also single out Heather Venables for her wise leadership of the Committee and Sally Hawking for her expert administration of the organisation. Heather will be stepping down from the Committee Chair role in 2023 and she goes with our deep gratitude and best wishes. Safety, competence, and confidence among Sonographers are among the key outcomes for CASE and our role, as Heather says, is “to ensure that our understanding of these requirements aligns with current and emerging service needs”. Few have done more than Heather to bring this about.



**Phil Morgan**  
**CASE Member Organisation's Chair, 2020 - 2023**



## About CASE

CASE was established in 1993 to allow organisations with a shared interest to come together to provide appropriate and relevant oversight of all aspects of sonographic education.

It is operated on a not-for-profit basis and is not formally incorporated as a company or a charity.

It relies on volunteers to commit their time to ensure that students who graduate from its accredited courses do so with the best in education, mentor support and clinical competency; thus preparing the sonographic workforce of the future.

## About the Member Organisations of CASE

Member Organisations (MOs) are normally those which have direct responsibilities and interest in the practice of sonography and its education and training. They are independent bodies with their own professional concerns in relation to the research, education and practice of medical ultrasound.

Member Organisations share in common the concern that education must continue to develop to meet changing technology, clinical practice and service requirements. They recognise the need to collaborate to set and maintain standards, optimise education and training development and provision, and make validation and accreditation procedures as robust as possible. They understand the need to do this in conjunction with the relevant external bodies, including statutory bodies.

In 2021-22, the MOs of CASE were:



The British Medical Ultrasound Society



The British Society of Echocardiography



The Chartered Society of Physiotherapy



The College of Radiographers



The Institute of Physics and Engineering in Medicine



The Royal College of Podiatry



The Society for Vascular Technology of Great Britain and Ireland

## How CASE works

The primary role of the Consortium is to accredit high quality training programmes and focused courses that promote best ultrasound practice and ensure that ultrasound practitioners are safe and competent to practise, whilst taking into account informed views of service needs.

The strategic direction and policy of CASE are decided by the Member Organisations which make up the Consortium. The MOs meet twice a year (minimum) and set a financial and business plan for the Consortium.

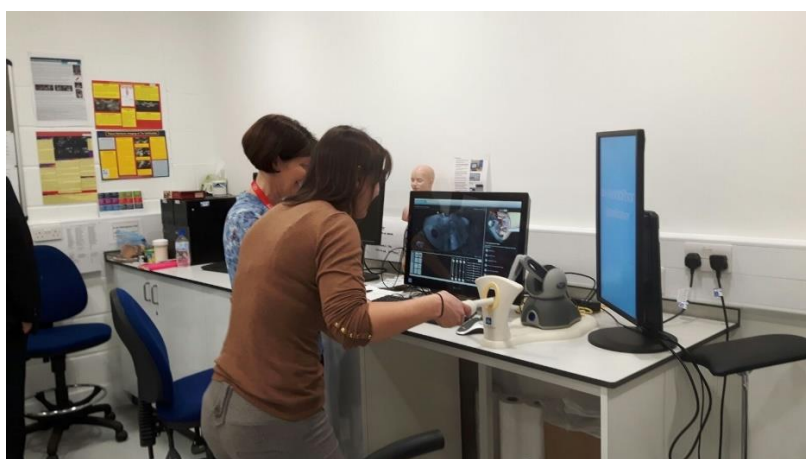
Each MO nominates up to three appropriately qualified representatives from amongst its own membership to serve on the CASE Committee, with two out of the three (usually) attending each meeting.

The CASE Committee is responsible for implementing CASE policy; in addition to ad-hoc meetings as and when required, there are three formal Committee meetings each year to:

- establish a co-ordinated approach to setting, maintaining and enhancing standards of education and training in sonography, ensuring that the standards are and remain approved by the Consortium
- ensure, via a co-ordinated programme of validation and monitoring, that the standards of education and training in sonography are being set, maintained and enhanced
- undertake validation and periodic review of individual education and training programmes and focused courses in sonography, and to accredit programmes and focused courses in the name of the Consortium.

A comprehensive CASE Handbook guides the CASE Committee in its work, and regular CASE training sessions help to keep assessors' skills up to date.

Support services are provided by an MO (currently IPEM) who is responsible, under contract, for allocating staff to the roles of CASE Coordinator and CASE Finance Officer.





## Mission Statement and Aims



*To be the provider of choice for advice on the development and delivery of ultrasound education and training and to be the only recognised accreditor for ultrasound courses.*

### Our Aims:

1. To accredit high quality clinical\* ultrasound education and training programmes (including focused courses, stand-alone modules and CPD) that promote best ultrasound practice and provide assurance that ultrasound practitioners are safe and competent to practice.
2. To identify the current and future needs of service providers with respect to clinical\* ultrasound education and training and advise on education and training to meet the changing service and workforce needs.
3. To evaluate new and innovative training and education pathways at all academic levels and to accredit when appropriate to do so.
4. To monitor CASE accredited programmes of ultrasound education and training to ensure they continue to meet appropriate standards.
5. To assist with the development of ultrasound education and training programmes.

*\*The term 'clinical' recognises the multi-disciplinary nature of the workforce; in other circumstances the word 'medical' may be used.*



## Sonographer Workforce Update

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In mid 2021, the Sonographer Task and Finish group (ST&FG) was established as a subsidiary of the NHSE/HEE national Imaging Workforce group (IWG). The purpose of this group is to make recommendations related to sonographer workforce development, in line with the key aims and objectives of the IWG. The ST&FG reports directly to the IWG.

### The ST&FG

1. Consider the most appropriate actions to be taken to increase the sonographer workforce to meet the current and future service demands.
2. Consider the most appropriate actions to be taken to support professional career development and lifelong learning for sonographers to ensure retention of workforce is maintained.
3. Facilitate, support and/or oversee projects that will provide the necessary evidence and recommendations to achieve points 1 & 2.
4. Make recommendations to the IWG following such projects to ensure these are widely shared and can be implemented nationally or regionally.
5. Make recommendations to the IWG for future projects that are outside the immediate sonography workforce issues and plans but that may have positive impact or influence on the future profession.

The group is chaired by Pamela Parker, BMUS President and current membership of this group include representation from:

- NHSE
- HEE
- Society and College of Radiographers
- CASE
- Royal College of Radiologists
- British Medical Ultrasound Society
- British Society of Echocardiography
- Society for Vascular Technology
- Obstetric Workforce Group, HEE
- Secretariat
- Co-opted members to group as required

The group initially had three projects to complete which were ongoing from the previous HEE sonographer workforce group (2015 – 2020). The first project was to understand the distribution and impact of the clinical ultrasound training academy (CLUSTA) funding that was provided by HEE in 2019. The Covid-19 pandemic resulted in an inability to coordinate the distribution of funding effectively. To maximise capacity released by the CLUSTA funding, it was essential to glean how this had been used across the regions in England. HEE led on this and has identified the CLUSTA hubs. With the rapid emergence of regional radiology imaging academies (RIA),



which are designed to incorporate all imaging workforce development and training, the existing CLUSTA hubs have now been aligned with the RIA to maximise effectiveness and accountability.

The second of ST&FG projects was to complete the Preceptorship and Capability Development Framework for Sonographers which BMUS had been commissioned to produce.

<https://www.bmus.org/bmus-publications-1/preceptorship-and-capability-development-framework-for-sonographers/>

The multi-organisation working party for this was led by Dr Peter Cantin and successfully delivered this document in mid-2022. This has, in turn, led to a review of the original career progression framework (CPF) published by HEE in January 2019.

[Sonographer Career Framework - V2 June 2022.pdf \(hee.nhs.uk\)](#)

Following this review, updated explanatory notes introducing the aim and purpose of the CPF are under final edit and will be published in early 2023. During CPF evaluation, and the ongoing recruitment and retention crisis in sonography, issues related to non-CASE accredited training emerged. This has led to a new project for the ST&FG. The group will be advising on a bridging qualification, specifically related to independent sonographer reporting which is a requisite of UK based CASE accredited education programmes but less well established in overseas practice. The development of a bridging qualification aims to provide CASE equivalence and may help employers and practitioners in recruitment in the UK. Work will continue in 2023.

The final ST&FG project related to sonographer regulation as an independent profession. There are a range of well recorded significant issues for patients, practitioners, and employers related to the absence of regulation and these remain unresolved. Unfortunately, new issues have emerged with the development of the enhanced and advanced practice framework and apprenticeships. As it stands, CPD funding is only accessible for registered practitioners and this is highly likely to hinder the career development of non-registered sonographers of the future. Sadly, there is no progress on the regulation of sonographers; DHSC remains steadfast in the opinion that regulation is not a priority. BMUS has issued a position statement highlighting concerns of an emerging two-tier workforce if numbers of direct access or undergraduate sonographers gains ground without resolution of funding or regulation.

<https://www.bmus.org/policies-statements-guidelines/position-statements/bmus-position-statement-on-sonographer-regulation/>

The issue of regulation remains firmly on the ST&FG agenda as we head into the New Year.

2023 will see continued activity for the members of the ST&FG. The membership and terms of reference for this important group is under review to ensure the group remains current, focussed but encompasses all aspects of medical ultrasound. Issues in radiology and obstetric sonography are equally as evident in the field of cardiology and vascular sciences as well as within the world

of ultrasound industry partners. Whilst significant workforce issues remain, there has been real progress on defining a sonographer career pathway. The key stakeholder organisations remain steadfast in their support for developing a well-educated and sustainable one-tier sonography profession.



**Pam Parker**

**BMUS President / Chair of the NHSE/HEE Sonographer Task & Finish Group**

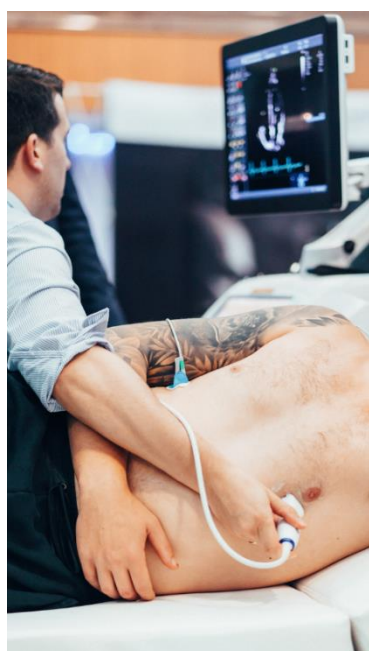
## **BSE - The benefits of being back!**

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The British Society of Echocardiography (BSE) re-joined CASE in 2021 after a short hiatus. We are extremely grateful that the other members of CASE welcomed us back to the table.

Given our shared goals of promoting and maintaining the highest standards of education, it made sense for the BSE to re-join CASE. I have been impressed by the commitment of all of the member



organisations to achieving its aims. However it is the commitment of the CASE Committee and volunteer accreditors which I want to highlight most. With Dr Heather Venables in the Chair it seems to me the CASE Committee has achieved a great deal, during a very challenging period.

Most, if not all sonographic workforces face shortages and there is relentless pressure to train more people. We are all acutely aware a workforce shortage generally means fewer trainers available and staff burnout a probability. All sonographers are asked to do more, quicker, etc. but patient safety remains at the forefront of all of our minds and that is why CASE's role is so important. CASE accreditation provides assurance that all ultrasound trainees completing an accredited course are safe, competent and have a clear and confident understanding of their scope of practice.

Since re-joining CASE I have seen how adaptable the Committee are to the changing environment. That they are solution driven and pragmatic, whilst ensuring standards are retained. There is an incredible amount of work carried out by a small group of people and it should be recognised. I would like to extend my thanks to all of the volunteers who give their time and expertise on behalf of CASE.

From my perspective, being a member of CASE has offered much more than the chance to support the accreditation of high standard education. The organisation offers a vital forum for those of us representing people who work with ultrasound in the UK. Many of the challenges we face are common to us all and it is hugely beneficial for us to learn from each other and collaborate. We all have relatively limited resource and so nobody should be reinventing wheels just now. The opportunity for shared learning and for a large, multidisciplinary workforce to speak with a united voice cannot be overestimated. I have been extremely grateful for the collective wisdom and experience shared by the people brought together by CASE, and BSE members have benefitted greatly as a result.

Final thanks must go to Sally Hawking, our CASE Coordinator, who does a brilliant job behind the scenes and somehow manages to bring us all together. I, and the BSE representatives, Professor Dave Oxborough and Dr Brian Campbell, look forward to continuing to support CASE in the coming years.



**Jo Sopala**  
**CEO, British Society of Echocardiography**

#### **BSE representatives to the CASE Committee:**



**Professor David Oxborough**



**Dr Brian Campbell**

## Review of CASE Requirements for the Accreditation of Musculoskeletal Ultrasound Courses

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The central purpose of CASE is to provide assurance that ultrasound trainees completing an accredited course are safe, competent and have a clear and confident understanding of their scope of practice. This is at the heart of why CASE exists. We therefore need to ensure that our understanding of these requirements aligns with current and emerging service needs, and that this is reflected in our accreditation requirements. The accreditation process also needs to be rigorous, transparent, attuned to evolving practice and supportive of innovation.

For career sonographers training in applications such as general medical and obstetrics, there is a long established and clearly defined understanding of the scope of practice required and how this can be evidenced through accredited training. However, trainees in musculo-skeletal (MSK) ultrasound are drawn from diverse professional groups with widely differing scope of intended practice. This has led to wide variation between proposed courses, poorly defined (or unrealistic) intended learning outcomes and significant debate around the intersection between focused courses and accredited postgraduate awards. This makes it difficult for both trainees and prospective employers to interpret the breadth of MSK practice that can be expected from and supported by existing courses.

To enable CASE to respond to this complex emerging landscape, an MSK expert group was established to review current accredited courses and to clarify the requirements of future accredited course provision. From this extensive review, the following position statements have been developed to clarify what CASE require of an accredited MSK ultrasound course. The statements will guide programme teams seeking accreditation and should ensure a consistent approach to accreditation decisions.

### CASE MSK Review Proposal Statements (April 2023)

**Position Statement 1: Applicants should be aligned with an appropriate professional body and have an appropriate amount and type of pre-existing experience in a clinical musculoskeletal or ultrasound specialism.**

**Rationale:** This proposal maintains that applicants into a PgC MSK US course must have appropriate clinical MSK or ultrasound experience, but recognises that the level/quality of experience is not directly related to time (ie. some professionals could be clinically skilled/experienced in MSK or ultrasound practice <12 months and others may have >12 months of experience without appropriate knowledge/skills. This is a similar argument for a student competent in US after 10 scans vs a student not yet competent in US following 100 scans). This proposal also maintains the need for students undertaking MSK US courses to be health professionals aligned with an appropriate professional body (inclusive of AHPs, medical professionals). MSK is not currently an option for direct entry US courses, at undergraduate level.

**Position Statement 2:** As part of a CASE accredited course, students should undertake a portfolio of practice/learning and demonstrate competency in the areas that clearly align with their subsequent breadth/remit of ultrasound scanning following completion of the course.

**Rationale:** This proposal emphasises the need for students on MSK US courses to complete and maintain a portfolio/evidence log to:

- agree a learning contract between student, mentor and awarding institution, about a clearly defined individual breadth/remit of MSK US practice, for use in practice when training & post qualification (where the portfolio is presented to mentors and employers)
- evidence appropriate scanning experience & learning, aligned to this full breadth/remit of practice (inclusive of documented scans (quality appraised by mentor), scan hours  $\pm$  reflective practice/case reports)
- evidence the student's clinical competency to scan out in practice following completion of the course, where the portfolio must include evidence of successfully completed clinical competency assessments. These assessments must include unseen patient exams, where student competency is assessed and signed off across the full breadth/remit of their defined US practice.

**Position Statement 3:** CASE advocate that the learner presents their portfolio of practice/learning and competency assessments to their employer (or regulator, as appropriate) as evidence of their initial practice.

**Rationale:** On discussion, we learned that it is not usually possible for HEI's to specify different MSK anatomical areas/regions on exit awards for individual students. Therefore, this proposal highlights the need for the health professional qualified in MSK US to present to their employer: 1) evidence of their exit award and 2) their portfolio of practice, with evidence of the breadth/remit of US practice they can competently scan within. CASE recognise that this proposal requires more employer education/support about the need for MSK US professionals to produce this evidence. As a mechanism towards preceptorship, this will ensure patient/sonographer safety through appropriate referrals and scan lists. This portfolio can also be used in evidence of practice for professional bodies and regulators.

**Position Statement 4:** Student scans must be directly supervised by an appropriate mentor, who has appropriate qualifications and experience (ie. PgC qualification and a minimum of 2\*-years post qualification experience or level 2 Radiology) in MSK US, aligned with the student's breadth/remit of practice, as defined in their portfolio. (\*Where there is a significant shortage of available mentors, qualified staff with a minimum of 1 year post qualification experience may act as the local mentor if at least one other member of the supervisory team meets the minimum requirement of 2 years' experience.)

**Rationale:** This proposal is intended to define an appropriate MSK US mentor for the trainee student. This ensures that the mentor has a breadth/remit of practice aligned to that of the

student, with appropriate experience, qualifications and clinical competency. This proposal also aligns to the existing CASE proposal statement related to independent scanning. In relation to this statement, please see following principles:

- Mentor supervision of independent student scans/decision making, until the final (or interim) award is ratified by the university examination board, is a cornerstone of US practice (applicable to all remits of US and not exclusive to MSK)
- These scans must include scanning of a range of MSK pathologies aligned to the student's breadth/scope of practice, as defined/agreed in the learning contract
- Whilst students may undertake scans with healthy volunteers in simulation based training (fundamental to learning of healthy sono-anatomy), these should not be included in the scan log/numbers of the portfolio. The portfolio should be reflective of patient cases only.

**Position Statement 5: Aligning with the subsequent scope of musculoskeletal ultrasound practice, appropriate learning and formal assessment(s) (usually at level 7 or equivalent Masters level) must be successfully completed for professional issues, science, physics and technology**

**Rationale:** This proposal maintains the need for students to successfully complete a physics module, with learning and assessment at an appropriate level. The level is not named here, as could differ between levels 6 or 7 (or equivalent levels outside of England) depending on whether the MSK course is at a focused or postgraduate level (direct entry at undergraduate level not yet possible for MSK US). This proposal also acknowledges that all physics learning and assessment must be appropriate to the learner's breadth/remit of MSK US practice.

On behalf of CASE Committee, I would like to thank the MSK review team for their input. This has been an extensive and in-depth piece of work that will provide clarity and direction for future CASE activity. This will clarify not only our approach to accreditation of MSK awards but will also inform ongoing discussion around the training and education needs of an expanding group of specialist ultrasound users.



**Dr Heather Venables**  
**CASE Committee Chair 2020 - 2023**

#### **MSK review team**

Dr Lisa Newcombe (Senior lecturer, Glasgow Caledonian University) - Lead

Dr Mike Smith (Senior Lecturer, Cardiff University)

Jai Saxelby (Sheffield Teaching Hospitals NHS Foundation Trust)

Stuart Wildman (Consultant Musculoskeletal Sonographer, Honorary Lecturer Brunel University)



## Achievements in 2021 – 2022

During this year:

- We published position statements on
  - *Independent Scanning Prior to Award Ratification*
  - *Accreditation of Courses without University Affiliation*
- We introduced the role of 'Clinical Advisor' into the accreditor team and delivered a training session on the role
- We implemented a 'light-touch' approach to re-accreditations (meeting strict criteria only) to ease the backlog caused by the Covid-19 pandemic
- We introduce debrief meetings into the accreditation process to enable closer working between accreditors and Committee members and to ensure parity of conditions and recommendations across all courses
- We introduced an APMR process for Focus Courses
- One new Pg Certificate, and the first in Breast Ultrasound, was accredited at Queen Margaret University, Edinburgh
- Four focus courses were successfully re-accredited
- One interim review was successfully completed
- One major change was successfully approved
- Two new accreditor applications were approved
- Three new members joined the Committee
- We delivered open 'drop-in' sessions for Accreditors to attend alongside Committee members to discuss issues
- We delivered specific training aimed at new accreditors and those interested in becoming an accreditor
- It was agreed to retain the funded role of 'Education Officer' for a further two years (minimum) so that the good work that has already been achieved could be fully integrated into our ways of working
- Work continued on the HEE funded project to '*Explore the Interface between the Multi-professional Framework for Advanced Clinical Practice and Sonographic Education*'.
- Work continued on the Handbook revision which will be transformed into a compendium with sections dedicated to the differing types of courses and programmes we accredit

- Work was completed by the MSK sub-group to define the principles and position statements to underpin future MSK accreditations (*see the article on page 11*)
- 19 universities submitted a satisfactory return to the CASE annual programme monitoring review (APMR)
- The Committee Chair concluded a series of 1:1 discussions with Accreditors to identify their needs, gaps in the training and what CASE can do to better support them and began introducing measures in response to the findings
- We introduced penalty fees for accreditation events that led to accreditor time being unnecessarily wasted
- 47 requests for help and information via the website were dealt with, down from 68 the previous year
- 38,211 visits were made to the CASE website which is a slight decrease of 6% on the previous year



## CASE Finances

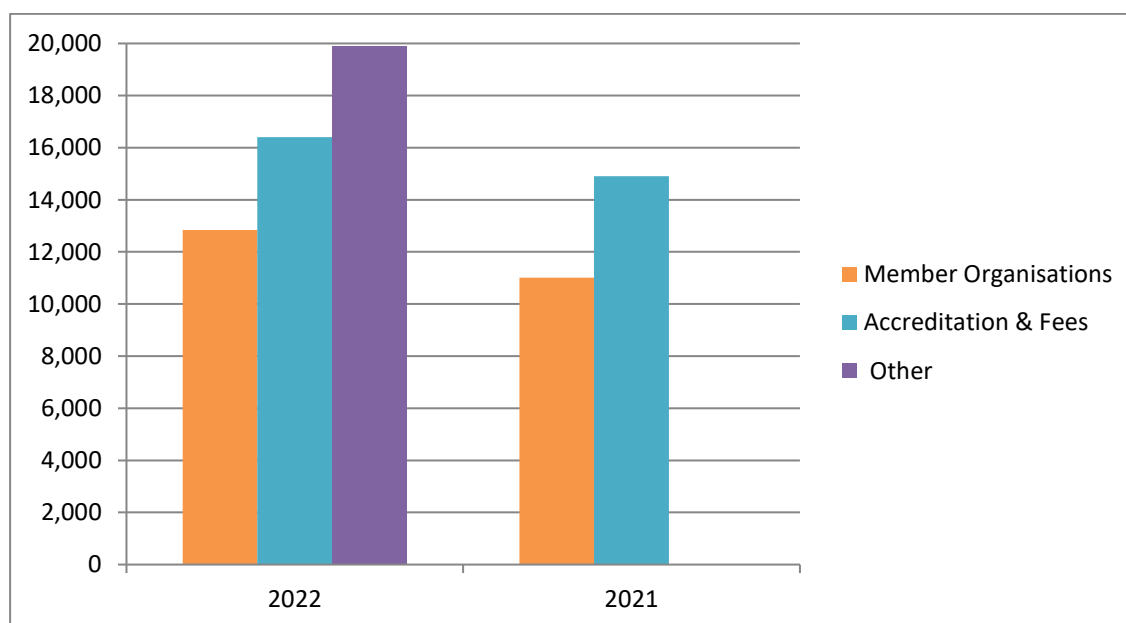
Total income for the year is £49,105 (£25,915 in 2021) which is made up of accreditation fees, contributions from Member Organisations and additional project monies received from HEE. In 2021 no project monies were received from HEE which is the reason for the larger income in 2022. In 2022 work continued on the HEE project with payments made to the CASE Education Officer, the final payment on the Handbook development work and the new ACP Framework project, as well as to IPEM for administrative support. Therefore, funds of £26,639 remain restricted for the purposes of the HEE project work, to ensure CASE deliverables can be completed.

Total expenditure has gone down slightly at £28,882, (£32,164 in 2021), this includes HEE project payments of £9,797. The remaining expenditure of £19,085 is comparable to previous years with the continuing impact of COVID reducing face-to-face meetings and training costs. The expenditure on administrative costs is as per the contract.

This has led to a surplus for the year of £20,268 (deficit of £6,249 in 2021).

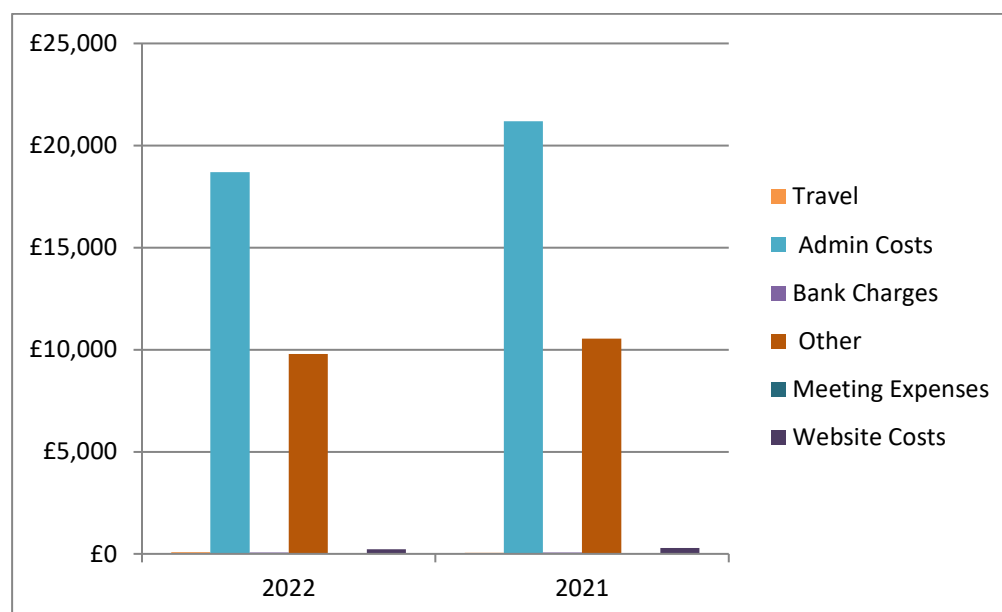
The Balance Sheet shows reserves increasing to £51,775.

### CASE Income 2022



*NB: 'Other' includes HEE funding*

## CASE Expenditure 2022



## Looking Forward

Plans for 2022-23 include:

- Completing work on the revision of the CASE guidance documents to align with the new processes and policies and roll-out to the accreditors and course leads
- Accrediting our first undergraduate course in BSc (Hons) Medical Ultrasound
- Signing a new contract with IPEM to continue the administration and finance support of CASE to 2025
- Delivering more training and open sessions to our accreditors
- Welcoming new Chairs to both the Member Organisations group and the Committee
- Continuing engagement with other organisations in the work of CASE and encourage new members to join the Consortium
- Continuing engagement with the NHS stakeholder bodies to promote the work of CASE and to seek funding opportunities
- Celebrating CASE's 30<sup>th</sup> anniversary!

## CASE Accredited Courses 2021-2022

### ***MSc Programmes***

AECC/University of Bournemouth	MSc Medical Ultrasound
Birmingham City University	MSc Medical Ultrasound
City, University of London	MSc Medical Ultrasound
Glasgow Caledonian University	MSc Medical Ultrasound
King's College London	MSc Medical Ultrasound/ MSc Vascular Ultrasound
Sheffield Hallam University	MSc Medical Ultrasound
Teesside University	MSc Medical Ultrasound
University College, Dublin	MSc Ultrasound
University of Cumbria	MSc Medical Imaging (Ultrasound)
University of Derby	MSc Medical Ultrasound
University of Essex	MSc Musculoskeletal Ultrasound Imaging
University of Hertfordshire	MSc Medical Imaging & Radiations Sciences (Diagnostic Ultrasound)
University of Leeds	MSc Diagnostic Imaging
University of the West of England	MSc Medical Ultrasound
University of Ulster	MSc Advancing Practice in Medical Ultrasound

### ***Postgraduate Certificates***

Brunel University/The Ultrasound Site	PgC Musculoskeletal Ultrasound
Canterbury Christ Church University	PgC Musculoskeletal Ultrasound
Queen Margaret University/Scottish Mammography Education Centre	PgC Breast Ultrasound
University of East London	PgC Musculoskeletal Ultrasound

### ***Focused Courses***

AECC/Bournemouth University	Basic Gynaecology & Early Pregnancy Ultrasound
	Podiatry Musculoskeletal Ultrasound
	Second Trimester Pregnancy Dating & Placenta Position
Birmingham City University	Early Pregnancy Ultrasound
	Transabdominal First Trimester Scanning
	Ultrasound for Fertility
Glasgow Caledonian University	Abdominal Aortic Aneurysm Screening
Public Health England	Abdominal Aortic Aneurysm Screening
Sheffield Hallam University	First Trimester Scanning
University College Dublin	Graduate Certificate Fertility Ultrasound

**CASE Committee 2021-2022**

<b>Chair:</b>	Dr Heather Venables	BMUS		
<b>Vice-Chair:</b>	Dr Gareth Bolton	BMUS		
<b>Members:</b>	Simon Richards	BMUS	Dr Adam Lovick	IPEM
	Dr Brian Campbell	BSE	Crispian Oates	IPEM
	Dr David Oxborough	BSE	Gill Dolbear	SCoR
	Dr Mike Smith	CSP	Gill Harrison	SCoR
	Stuart Wildman	CSP	Jane Arezina	SCoR
	Dr Lisa Newcombe	COP	Mary-Ellen Williams	SVT
	Jai Saxelby	COP	Tanyah Ewen	SVT

**CASE Accreditors 2021-2022** (in addition to the Committee Members listed above)

*Thank you to all our accreditors for volunteering their time in support of CASE*

Dr Mhairi Brandon	Glasgow Royal Infirmary
Mike Bryant	East Lancashire Hospital Trust
Peter Cantin	Plymouth Hospitals NHS Trust
Gillian Coleman	University of Derby
Stavros Daoukas	London South Bank University
Michelle Davies	Morriston Hospital, Swansea
Dr Diane Dickson	Glasgow Caledonian University
Jane Dixon	Independent Consultant Physiotherapist
Theresa Fail	Health Education West Midlands
Elaine Gardiner	Glasgow Caledonian University
Allison Harris	Great Ormond Street Hospital
Dr Bob Jarman	Queen Elizabeth Hospital, Gateshead
Gerry Johnson	Tameside and Glossop Integrated Care NHS Trust
Alison McBride	University of South Wales
Dr Pauline Mitchell	University of Lincoln
Rachel Salvage	Hull & East Yorkshire NHS Hospital Trust
Shaunna Smith	Hull & East Yorkshire NHS Hospital Trust
Lorelei Waring	University of Cumbria
Catherine Williams	Portsmouth Hospitals NHS Trust





## Consortium for the Accreditation of Sonographic Education

CASE March 2023

Contact: Sally Hawking

CASE Coordinator

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