

CoBa-IT 
2008 to 2010

European Society of Intensive Care Medicine (ESICM)
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Part Funded by



Monitored by:



National Coordinator's Meeting Lisbon 2008

WHO'S WHO
(September 2009)

ACKNOWLEDGEMENTS

CoBaTrICE has been an outstanding success thanks to the commitment, enthusiasm and hard work of very many individuals worldwide. The many contributors are listed in the following pages, and I wish to express a personal debt to my colleagues on the steering committee and in particular our outstanding research fellows Hannah Reay and Jude Wilde, all the national co-ordinators and reporters who give their time freely and in many instances self-funded their participation in the project, the many members of the working groups, the French and Spanish translation groups, and all our trainees. The future of CoBaTrICE lies with the trainees and their successors through the national training organisations which continue to give their full support and commitment to the project. **J. F. BION (PROJECT LEAD)**

BACKGROUND

The CoBaTrICE Collaboration was formed in 2003 to define outcomes of specialist ICM training and to develop an international training programme in ICM for Europe and other world regions to promote the highest standards of multidisciplinary care of critically ill patients and their families through life long learning, and to harmonise those standards across national borders, thereby facilitating free movement of professionals. It comprises project partners, national representatives, advisors, patients and their families and other ICM 'stakeholders'. The Collaboration has grown during the course of the project and since the launch of the CoBaTrICE programme in September 2006 benefits from the expertise of over 100 collaborators and 43 countries worldwide.

The current phase part-funded under the Leonardo Programme's Innovation Transfer theme (CoBa-IT) is developing quality assurance standards for programmes of training, workplace-based assessment linked to the competencies, and an electronic portfolio to help national training organisations harmonise post graduate ICM training standards across Europe.

National Coordinators are appointed in consultation with ESICM national Council members and with the National Societies responsible for intensive care in each of the European countries participating in the project. They actively participate in each phase of the project and promote the involvement of others within their country by disseminating the aims and results of the project through direct contact, conferences and publications. They are seconded or partnered in most cases by deputies who help them fulfil their role in the project and ensure national representation.

National / Regional Reporters are our representatives in non-European world regions where the national society or organisation has expressed a desire to participate in the project. They undertake a similar role to National Coordinators and promote worldwide participation in the project.

The Advisory Board assist the Steering Committee of the project by providing specific advice and expertise on aspects of the project methodology, dissemination of results, intra- and inter-professional working, international cooperation and information exchange.

ICM Trainees are recruited by their national coordinators and participate in a variety of aspects of the project. Over 50 international trainees expressed an interest during the first phase of the project and more than half took an active role in the development of CoBaTrICE. New trainees continue to be recruited as the project progresses, and are actively involved in developing the e-portfolio.

The European Board of Intensive Care Medicine was founded in 2006, and brings the support of the UEMS to the project.

INTRODUCTION

The CoBaTrICE Collaboration was formed in 2003 to define outcomes of specialist ICM training and to develop an international training programme in ICM for Europe and other world regions to promote the highest standards of multidisciplinary care of critically ill patients and their families through life long learning, and to harmonise those standards across national borders, thereby facilitating free movement of professionals. It comprises project partners, national representatives, advisors, ICM stakeholders and other interested participants. The Collaboration has grown during the course of the project and since the launch of the CoBaTrICE programme in September 2006 benefits from the expertise of over 100 collaborators worldwide.

Five partners worked in cooperation to implement the project. They had specific tasks, ranging from the overall management and coordination of the project, scientific research, communication and dissemination, application of information technology, and the inclusion of particular groups in the project, such as the Eastern European countries or the patients and their families. Representatives from each partner formed the Steering Committee. The current phase is investigating quality assurance standards, workplace based assessment and electronic portfolios to assist with the accreditation of the programme, and harmonise post graduate ICM training standards across Europe. The Steering Committee has modified accordingly and a different partnership has evolved.

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ICU representatives were recruited in eight European countries to facilitate the distribution of surveys to patients and relatives. Many continue to take an active interest in the CoBaTrICE project following this initial contact.

THE NEXT PHASE- CoBaTrICE-IT

This phase of the project has been established to investigate the uptake of the CoBaTrICE programme across Europe and explore current structures, processes, outcomes and challenges. Current quality assurance standards will be assessed and following consensus an agreed set of minimum standards will be disseminated with the collaboration of the national training organisations. Assessment and accreditation guidelines for the CoBaTrICE programme will be established, and the competency based syllabus will be connected to an electronic portfolio. This is an Innovation Transfer Project partly funded by a grant from the European Union Leonardo Da Vinci Program.

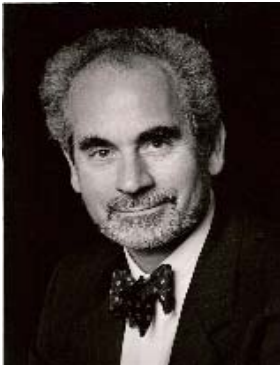
PROJECT PARTNERS

University of Birmingham

With a national and international reputation for excellence in teaching and research, the University of Birmingham provided expertise in competency-based training, undergraduate and postgraduate training in acute care and intensive care medicine, medical education and training assessment, and in international law with particular reference to movement of healthcare professionals across national borders. Four departments coordinated their efforts: the Department of Anaesthesia and Intensive Care Medicine, the School of Law, the School of Education and the West Midlands Deanery.

Project Leaders

Professor Julian Bion



University of Birmingham

Professor Julian Bion, initiator and scientific co-ordinator of the project. A respected clinician and reader in Intensive Care Medicine in the University Department of Anaesthesia and Intensive Care Medicine, and was responsible in the UK for the competency-based training programme in ICM through the Intercollegiate Board for Training in Intensive Care Medicine, with further links to the Royal College of Anaesthetists and the Royal College of Physicians. He is also a past president of the ESICM (2004 - 2006).

Professor Alison Bullock



University of Cardiff

Professor Alison Bullock, a specialist in Medical and Dental Education, continues to provide expertise in the assessment of competence. She led phase 3 developing core competencies, and is currently working on accreditation as the project lead of the working group involved in quality assurance. Alison has recently moved to the University of Cardiff.

Research Fellow

Jude Wilde



Jude Wilde, new to the team, also has a critical care nursing background and is the current research fellow. Her role is to coordinate the final two phases of the project, assist in the steering committee, support the working groups for phase 4, and assist in the e-portfolio group for phase 5.

Hannah Reay (nee Barrett) was the previous research fellow. Hannah managed all aspects of the first three phases of the CoBaTrICE project in liaison with other partners and national representatives, coordinated data collection and analysis and prepared dissemination materials. She is presently a member of the steering committee and continues to provide an invaluable contribution to the project.

Financial Support

Neil Middleton

Neil Middleton provides financial support and expertise to many research projects. Currently he is managing the final two phases of the CoBa-IT project, assisted by Brendan Laverty and Jonathan Ford who provided a link from the previous phase. Jean Hammersley & Michelle Bowers, Assistant director of finance coordinated the first three phases.

European Society of Intensive Care Medicine (ESICM)

This professional society promotes the highest standards of multidisciplinary care of critically ill patients and their families through education, research and professional development. The ESICM coordinates the CoBaTrICE project for all contractual, administrative, communication and financial matters, and facilitates the dissemination of the outcome, the CoBaTrICE programme.

Dr Nathalie Mathy



Dr Nathalie Mathy, ESICM Research and Professional Development Manager, is responsible for administration for the CoBaTrICE project and the national coordinators ensuring reimbursement of travel and accommodation. Responsible for the maintenance of the ESICM website as the platform of the CoBaTrICE website. Integrates the project with the ESICM's division of Professional development and associated educational activities, and an important contributor to the steering committee, national coordinator meetings, and part of the e-portfolio development network for the final phase of the project.

Dominique D'Hoir



Dominique D'Hoir, ESICM assistant, continues to provide administrative support, and is also an important and active contributor to the steering committee, national coordinator meetings and the e-portfolio development group. Domino's excellent liaison skills and management of project deadlines ensure that the project runs smoothly and successfully.

University of Maastricht

Professor Lambert Schuwirth and Dr Walther van Mook contribute special expertise in harmonising quality indicators for processes and outcomes of training for individuals, including workplace-based methods of assessment of competence, simulation, multi-source feedback, & formal examination.

Main tasks include leading the working group on workplace-based methods of assessment of competence and performance. Development of materials related to assessment will be as a result of a collaborative approach, contributing extensively to the aims and outcomes of the project. Both doctors actively participate in the steering committee and national coordinator meetings.

Partner Coordinators

Professor Lambert Schuwirth



Professor Lambert Schuwirth is the Professor of Medical Education in the Department of Educational Development and Research, Faculty of Health, Medicine and Life Sciences, Maastricht University. His research interest and main areas of expertise are in the assessment of problem solving ability, the reliability and validity of feasibility, and student learning behaviour regarding competence and performance. He is on several task groups and committees involved in specialities that include internal medicine, clinical neurophysiology, neurology, paediatrics, obstetrics and gynaecology.

Dr Walther Van Mook



Dr Walther Van Mook is Internist-intensivist, in the Department of Intensive Care Medicine, in the Maastricht University Medical Centre, and contributes to research regarding several aspects of intensive care medicine. e.g. bronchoalveolar lavage and neurophysiology. He is involved in several task groups and committees regarding medical education, and frequently collaborates closely with Lambert Schuwirth. He for example chairs the Committee of Professional Behaviour of Maastricht University, participates in Teach the Teacher courses, and was trained as an external medical education consultant. In the Department of Intensive Care Medicine he has participated in the organisation of the national EDIC exams. Under Lambert Schuwirth's (and others') guidance Walther van Mook is currently working on a thesis regarding Professionalism.

In CoBaTrICE-IT he is leading the working group investigating workplace based assessment, discovering the roles of various types of assessment for their formative and summative value in the Intensive Care Unit, and in promotion of life long learning, and professional development.

Mater Misericordiae University Hospital

Dr Brian Marsh and Dr Dermot Phelan link the CoBaTrICE project to the other educational activities of the ESICM through the ESICM's Division of Professional Development (DPD) and enable the integration of competencies with the European Diploma of Intensive Care, and the distance learning programme PACT.

This team also ensures continuity with current chair of the DPD, Professor Hans Flaatten. An important contribution will also be the pilot testing of project outcomes with the Irish Society of Intensive Care Medicine in consideration of the national review of ICM in Ireland. Dr Phelan and Dr Marsh are main contributors to the steering committee and national coordinator meetings.

Partner Coordinators

Dr Brian Marsh



Dr Marsh is a Consultant in Anaesthesia and Intensive Care Medicine and the Director of Intensive Care Medicine at the Mater Misericordiae University Hospital in Dublin. He is Honorary Secretary of the Irish Board of Intensive Care Medicine, and examiner for both the Diploma of the Irish Board of Intensive Care Medicine and EDIC exams, and Chair of the Irish Critical Care Trials Group.

Dr Dermot Phelan



Simulation Applied to Intensive Care Training, of the Scottish Clinical Simulation Centre, (SAInT)

Dr Graham Nimmo and Dr Ben Shippey provide expertise in the use of simulation and scenario-based teaching and assessment by integrating CoBa materials in the Patient-Centred Acute Care (PACT) distance-learning programme with simulation based learning and involved in the Stirling Simulation Centre. They will incorporate decision making software 'Labyrinth' to create on-line patient scenarios for clinical decision making and prioritisation skills, and are participants in the steering committee and national coordinator meetings of the CoBaTrICE project.

Partner Coordinators

Dr Graham Nimmo

Dr Graham Nimmo is a consultant in acute medicine and ICU, Western General Hospital and the University of Edinburgh. Amongst his many commitments include deputy director of the Scottish Clinical Simulation Centre (SCSC), and the Education Group Chair on the Scottish Intensive Care Society council overseeing a web based induction programme for new trainees in ICM. These materials may also be useful for physiotherapy, pharmacy, nurses and undergraduates.

Dr Ben Shippey



Dr Ben Shippey is a consultant in Anaesthesia and Intensive Care Medicine in Fife Acute Hospitals, and is a member of the educational group of the SICS. He facilitates simulation courses at the SCSC, in addition to participation in other generic courses aiming to improve the care of the critically ill adult. He has published articles on the use of simulation, and other educational strategies, in intensive care training.

Cyber Imagination SAS

Samuel Castel, Yoan Hillion, Julien Bonnet and David Chaumont provide expertise in the development, management and hosting of the web-presentation of CoBaTrICE and in the development of electronic media and materials. An IT research fellow will be part-funded through the project grant. Projects involved include the development of a dynamic website for CoBaTrICE, database development, website referencing and domain name reservation if required by the project lead. From the outcome of the project a web-based and CD-based multimedia development of materials as directed by the project lead, including e-portfolio development, and participation in steering committee and national coordinator meetings

Partner Coordinator

Samuel Castel



STEERING COMMITTEE

Professor Julian Bion
Professor Alison Bullock
Jude Wilde
Dr Nathalie Mathy
Dominique D'Hoir
Dr Tom Clutton-Brock
Dr Graham Nimmo
Dr Ben Shippey
Dr Walther Van Mook
Professor Lambert Schuwirth
Dr Dermot Phelan
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Partners involved in the previous CoBaTrICE phases

Intensium Oy

This international company based in Finland was created by intensivists to provide internet-based ICU quality reporting services. Intensium Oy led the technical aspects of the project, facilitating the online collection and analysis of data and developing the electronic framework which enabled the launch of CoBaTrICE online.

- ◆ Dr Aarno Kari, Managing Director (retired 2005).
- ◆ Petteri Mussalo, Technical Director, led the development of online data collection tools and the electronic framework.
- ◆ Jarmo Partanen, IT programmer, realised the CoBaTrICE website and underlying IT management functions.

Charles University Hospital, Pilsen

Part of Charles University, Prague, the collaboration of the Charles University Hospital Pilsen focused especially on education in the field of Intensive Care Medicine in Central and Eastern European countries.

- ◆ Dr Ivan Novak, head of the Intensive Care Unit, was elected by his peers as a member of the Council of ESICM for 4 years. He supported national representatives in eastern European countries and participated in the Editorial committee particularly representing educational considerations in central and eastern European countries.

Picker Institute Europe

The aim of this research and educational charity based in Oxford, England, is to bring an understanding of the patient's perspective to healthcare provision, development and policy, and thereby to improve treatment and care for users of healthcare services and promote public health for the benefit of the community. The Picker Institute Europe provided expertise on surveying patients' experience of health care and was responsible for the survey of ICM patients and their relatives (part of the development of core competencies).

- ◆ Prof. Angela Coulter is the Chief Executive of PIE. She is currently a member of the G10 High Level Group on Innovation and Provision of Medicines convened by the European Commission and a member of the core group advising WHO on responsiveness surveys for the World Health Report.
- ◆ Prof Janet Askham is Director of Research. She has longstanding experience of social and health care research and of directing and managing research programmes.
- ◆ Dr Andreas Hasman, Research Associate, coordinated the survey of patients and relatives conducted in eight European countries.

National Coordinators

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Prof. Claus Krenn



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Trainee Group
Dr Georg Roth
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Professor Krenn specialised in anaesthesia and intensive care at the medical university in Vienna. He is currently Professor of Anaesthesia and Intensive Care Medicine at the General Hospital Vienna. Research and teaching activities focus on hemodynamic monitoring, liver dysfunction and failure, including transplantation and organ support, respiratory failure and sepsis. He is Secretary of the Austrian Society of Anaesthesiology, Reanimation and Intensive Care Medicine (ÖGARI) and has published many original articles.

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Trainee Group

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Prof. Smilov works as Chairman of the Department of Anaesthesiology and Intensive Care, at the Medical University of Sofia. He is President of the Bulgarian Society of Anaesthesiologists, and a member of the Board of Medical advisers to the Bulgarian Ministry of Health. Prof. Smilov has been dean of the Medical Faculty of Sofia and has participated in many international projects such as PHARE, TEMPUS, SOCRATES, ERASMUS of the EU. He is member - academician of the EAA, ESA, CENSA.

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Dr Gašparoviæ is the Head of Postgraduate studies in Emergency and Intensive Care Medicine in the Medical School of Zagreb, and the Head of the Division of Emergency and Intensive Care Medicine. An ESICM Council member, he is also a member of the Croatian Society of Medicine and of the Croatian Society of Intensive Care Medicine.

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Dr Kyprianou is consultant physician in Pulmonary Medicine and Intensive Care at Nicosia General Hospital, Cyprus. He has been the Vice-President of the Cyprus Pulmonology Society (2002-2004) and founder of the interdisciplinary Intensive-Care-Forum (intensive-careforum@medscape.com). He is also member of the committee responsible for reviewing Public sector policy in Intensive Care Medicine. He teaches regularly at the Ministry of Health's post-graduate programs for physicians, nurses and physiotherapists and is involved in developing research infrastructure at Nicosia General Hospital ICU.

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Dr Poulsen is the Head of the intensive care department, Koege Sygehus, Denmark. 2005, completed the training program in Intensive Care Medicine provided by The Scandinavian Society of Anaesthesiology and Intensive Care Medicine (SSAI). 2005 European Diploma in Intensive Care Medicine (EDIC). 2004 Chairman of the Danish Surviving Sepsis Campaign Steering Committee. 2007 Chairman of the Intensive Care Medicine Division of The Danish Society of Anaesthesiology and Intensive Care Medicine. 2008 Member of the Intensive Care Medicine Educational Steering Committee of SSAI. 2007 Diploma of Public Administration (DPA).

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Professor Tero Ala-Kokko gained the European Diploma in Intensive Care Medicine 1994, SSAI Diploma in Intensive Care Medicine 2001, Diploma in Health Administration 2004, Chief Specialist in Intensive Care 2000, Professor in Intensive Care Medicine 2006, President of the Finnish Society of Intensive Care Medicine 2007

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Professor Quintel is the Director of the Department of Intensive Care Medicine at the Georg August University of Göttingen and currently the Deputy Head of the Zentrum Anaesthesiologie, Rettungs- und Intensivmedizin (ZARI). He is a Professor of Anaesthesiology and Intensive care medicine at the University of Göttingen, and an examiner in the ESA examinations of the European Society of Anaesthesiology as well as an examiner in the oral ESICIM examinations of the European Society of Intensive Care Medicine.

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Professor Armaganidis became an intensivist in 1983 and has worked in several ICUs in both France and Greece. Since 2003, he has been appointed as the Director of the 2nd Department of Intensive Care Medicine in ATTIKON University Hospital, Athens. He used to be a member the ESICM Executive Committee and is now part of its Council; he is also the Vice President of the Hellenic Society of ICM.

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Dr Molnar graduated in 1988 and did most of his training in the UK (1992-1997). Got his PhD degree in 1999, his Med. Habil. in 2004. He's been the clinical director of ICU since 1998. He has several publications on the role of inflammatory markers (microalbuminuria, procalcitonin, c-reactive protein), n-acetylcysteine, extravascular lung water, intrathoracic blood volume, lung recruitment, central venous oxygen saturation and fluid therapy in critically ill patients.

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IRELAND Coordinator

Dr Brian Marsh



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Dr Singer works in the Rabin Medical Center in Petach Tikva, as the Director of the Intensive Care Unit, the head of the TPN team and the Enteral Nutrition team. He is a member of the Drug Committee and the Ethics Committee. He is on the Surgery examination board, a member of the Board of Directors of Israel transplant, and the Head of the Nutrition Committee of Kupat Holim Clalit. An ESICM Council member, Dr Singer is the Vice Chairman of the Ethical Committee of Israel Medical Association, a Committee member of the Society for nutrition of the Israel association of Gastroenterology, on the Steering Committee for brain death declaration (Ministry of Health) and the elected Chairman of Israel Society of Critical Care Medicine.

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Dr Gullo is the head of the Department of Perioperative Medicine, Intensive Care and Emergency in the University school of Medicine in Trieste. He is a member of the World Federation of Societies of Intensive Care Medicine. Dr Gullo is also the Organiser of the annual Italian and international meeting, APICE.

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Dr Van Zanten is an internist-intensivist in the Partnership Internisten & MDL-doctors in the Hospital Gelderse Vallei in Ede, and the Director of Intensive Care. An ESICM Council member, a member of the Accreditation committee of the Dutch Society of Intensive Care. Dr Van Zanten is an FCCS instructor and an EDIC examiner.

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Dr Mikstacki is the Head of Department of Anaesthesiology and Intensive Therapy of Karol Marcinkowski University of Medical Sciences and the Regional Consultant in Anaesthesiology and Intensive Therapy for Wielkopolska Region. He is a Council member of ESICM.

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Dr Ünal is responsible for the Intensive Care Unit of the Anaesthesiology and Reanimation department of Ankara Medical Faculty. An ESICM Council member, he is also a member of the Executive committee of the Turkish Intensive Care Society, an Inspector of Turkish Anaesthesiology and Reanimation Society, a member of the Intensive care scientific committee of the Turkish Ministry of Health, and a member of intensive care nurses educational course directive preparation committee of Turkish Health Ministry.

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Dr Batchelor is an anaesthetist and intensivist in Newcastle UK, Past President and ex-council member of the Intensive Care Society, currently council member of the Royal College of Anaesthetists and member of the Intercollegiate Board for Training in Intensive Care Medicine.

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