

1 **Table 1: Participating sites and Principal Investigators**

City	Hospital	Investigators
GERMANY		
Münster	Department of Anaesthesiology, Intensive Care and Pain Medicine, University Hospital Münster, Münster, Germany.	Carola Wempe Michael Storck Tobias Brix Christian Strauss Mahan Sadjadi Raphael Weiss Hendrik Booke Lisa Loomann Wida Amini Dana Meschede
Münster	Department of Anesthesiology and Critical Care, St. Franziskus Hospital Münster, Münster, Germany.	Ulrich Göbel Jan Gerrit Haaker

Essen	Department of Anesthesiology and Intensive Care Medicine, University Hospital Essen, University Duisburg-Essen, Essen, Germany.	Thorsten Brenner Florian Espeter
Bochum	Department of Anesthesiology, Intensive Care Medicine and Pain Therapy, University Hospital Knappschaftskrankenhaus, Ruhr University Bochum, Bochum, Germany.	Tim Rahmel Michael Adamzik
Düsseldorf	Department of Anesthesiology, University Hospital Düsseldorf, Heinrich-Heine-University Duesseldorf, Düsseldorf, Germany.	Timo Brandenburger

Bonn	Department of Anesthesiology and Intensive Care Medicine, University Hospital Bonn, Bonn, Germany.	Christian Putensen Christian Bode Philippe Kruse Lennart Wild
Tübingen	Department of Anesthesiology and Intensive Care Medicine, University Hospital Tübingen, Eberhard Karls University Tübingen, Tübingen, Germany.	Peter Rosenberger Alice Bernard
Heidelberg	Department of Anesthesiology, Heidelberg University Hospital, Heidelberg, Germany.	Mona Jung-König Jan Larmann
Bayreuth	Department of Anaesthesiology and Intensive Care Medicine, Klinikum Bayreuth GmbH, Bayreuth, Germany	Jörg Reutershan

Marburg	Department of Anesthesiology and Intensive Care Medicine, Philipps-University, Marburg, Germany.	Christian Arndt Benjamin Vojnar
Dresden	Department of Anesthesiology and Intensive Care Medicine, University Hospital "Carl Gustav Carus", Technische Universität Dresden, Dresden, Germany.	Peter M. Spieth
SWITZERLAND		
Lausanne	Adult Intensive Care Unit, Centre Hospitalier Universitaire Vaudois (CHUV), Lausanne, Switzerland.	Antoine Schneider Céline Monard
ITALY		
Florence	Department of Health Sciences, Section of Anesthesiology, Intensive Care and Pain Medicine,	Benedetta Mura Gianluca Villa

	<p>University of Florence; Department of Anesthesia and Intensive Care, Section of Oncological Anesthesia and Intensive care, Azienda Ospedaliero Universitaria Careggi, Florence, Italy.</p>	
Bologna	<p>Postoperative and Abdominal Organ Transplant Intensive Care Unit, IRCCS Azienda Ospedaliero-Universitaria di Bologna, Italy.</p>	<p>Cristiana Laici Antonio Siniscalchi</p>
Bologna	<p>Cardiothoracic and Vascular Anesthesia and Intensive Care Unit, IRCCS Azienda Ospedaliero-Universitaria di Bologna, Italy.</p>	<p>Chiara Capozzi Marco Sita</p>

Vicenza	Department of Anesthesiology and Intensive Care, San Bortolo Hospital, Vicenza, Italy.	Lucia Cattin Silvia de Rosa
Ferrara	Department of Translational Medicine, Azienda Ospedaliera Universitaria di Ferrara, University of Ferrara, Ferrara, Italy.	Savino Spadaro D'Arcangelo Benito Franco
UNITED KINGDOM		
London	Department of Critical Care, King's College London, Guy's & St Thomas' Hospital, London, United Kingdom.	Marlies Ostermann James Gossage
London	Division of Anaesthetics, Pain Medicine and Intensive Care, Department of Surgery and	Alessandra Verzelli Marco Scaramuzzi

	<p>Cancer, Imperial College London, London, United Kingdom, Department of Anaesthesia and Critical Care, Harefield Hospital, Royal Brompton & Harefield Hospitals, Part of Guy's and St Thomas' NHS Foundation Trust, London, United Kingdom.</p>	
Belfast	<p>Division of Anaesthetics, Critical Care and Sterile Services, Belfast Health and Social Care Trust, Lisburn Road, Belfast, United Kingdom.</p>	<p>Adam Glass Jon Silversides Elliot Lonsdale</p>
Guildford	<p>Department of Critical Care, Royal Surrey Hospital, Guildford, United Kingdom. &</p>	<p>Lui G Forni Syeda Haider Adam Rossiter</p>

	Department of Experimental & Clinical Medicine, Faculty of Health Sciences, University of Surrey, Guildford, Surrey, UK	
Liverpool	Intensive Care Unit, Royal Liverpool University Hospital, Liverpool, United Kingdom.	Ingeborg Welters
BELGIUM		
Ghent	Department of Intensive Care Medicine, Universitair Ziekenhuis Ghent, Ghent, Belgium.	Eric Hoste
NETHERLANDS		
Amsterdam	Amsterdam, University Medical Centers, location AMC, Department of Anaesthesiology - L.E.I.C.A, Cardiovascular	Markus W Hollmann

	Science, Amsterdam, The Netherlands.	
SPAIN		
Madrid	Department of Anesthesia and Perioperative Care, Infanta Leonor University Hospital, Madrid.	Javier Ripollés-Melchor Paula Fernández-Valdes-Bango
Madrid	Department of Anesthesiology, Hospital Universitario Ramón y Cajal, Madrid, Spain.	Diego Parise-Roux Maria Carmen Martin González
Barcelona	Department of Anaesthesiology and Intensive Care Medicine, Parc de Salut Mar, Barcelona, Spain.	Irene Romero Bathal Maider Puyada Jáuregui
Madrid	Department of Anesthesiology, Hospital Clínico San Carlos de Madrid, Madrid, Spain.	Rosalía Navarro-Perez

Barcelona	Department of Anesthesiology and Critical Care Medicine, Hospital Universitari d'Igualada, Consorci Sanitari de l'Anoia, Igualada, Barcelona, Spain.	Inés De Soto
Madrid	Department of Anesthesia and Intensive Care, University Hospital 12 Octubre, Madrid, Spain.	Raquel García-Álvarez Elena Murcia Sánchez
Madrid	Department of Anaesthesiology, Hospital Universitario La Paz, Madrid, Madrid, Spain.	Alejandro Suarez-de-la-Rica
FRANCE		
Clermont-Ferrand	Department of Anesthesia and Intensive Care, Estaing Hospital, Clermont-Ferrand, France.	Robin Lalande

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