





SHTG Recommendation: Volatile Capture Technologies

Name	Date of declaration	Project element	Specific Personal Financial	Specific Personal non- financial	Specific non- personal financial	-	Non-specific Personal Financial	Non- specific Personal Non- financial	Non-specific non-personal financial	Non-specific non-personal non-financial	Any other interest of relevance?
Alifia Chakera (Head of Pharmaceutica Sustainability, Scottish Government)		Peer Review	None	None	None	Name of Company/Org: Scottish Government Nature of Interest: Considering value of VCT wrt to sustainability Date: Ongoing Name of	None	None	None	None	None
						Company/Org: NHS Lothian Nature of Interest: Introduced					

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						Volatile capture trials at St John's hospital Date interest ceased: 01/12/2021					
Ben Lukins (Programme Manager, National Green Theatres Programme, Centre for Sustainable Delivery, NHS Golden Jubilee		Peer Review	None	None	None	None	None	None	None	None	None
Dr Andrew Goddard (Consultant Anaesthetist, NHS Lothian)	26/01/2024	Peer Review	None	Name of Company/Org: SageTech Medical Nature of Interest: Free evaluation period VCT product use, publishing work Date: Ongoing	None	Name of Company/Org: SageTech Medical Nature of Interest: Department free evaluation period VCT product use, publishing work Date: Ongoing	None	None	None	None	None

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				Name of Company/Org: Baxter ZeoSys Nature of Interest: Free evaluation period VCT product use, publishing work Date interest ceased: 31/12/2023		Name of Company/Org: Baxter ZeoSys Nature of Interest: Department free evaluation period VCT product use, publishing work Date interest ceased: 31/12/2023					
Dr Andrew Marchant (Consultant Anaesthetist, NHS Lothian)	22/01/2024	Peer Review	None	None	None	Name of Company/Org: NHS Lothian Nature of Interest: My department is trialing one of the volatile capture technologies (I think it's a Drager system) – I have no involvement with this other than as a user. Date interest ceased: N/A	None	None	None	None	Name of Company/O rg: NHS Lothian Nature of Interest: I use anaesthetic agents as part of my job, and choose between volatile and intravenous techniques according to each

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											patient's individual needs. Date interest ceased: Ongoing
Dr Clifford Leigh Shelton (Consultant and Senior Clinical Lecturer, Manchester University NHS Foundation Trust and Lancaster University)		Peer Review	None	None	None	Name of Company/Org: Manchester University NHS Foundation Trust Nature of Interest: Involved in a project to investigate the utility of volatile capture technology. This was funded by Manchester Foundation Trust Sustainability		None	None	Name of Company/Org Anaesthesia (journal) Nature of Interest: I guest-edited a special supplement o the journal on sustainability. Date interest ceased: 10/01/2024 Name of Company/Org Lancaster University /	f
						Department (i.e., my employer)				Manchester University NH Foundation Trust	S

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						Date interest ceased: 09/07/2023				Nature of Interest: Published numerous papers on the general topic of sustainability anaesthesia, some of which comment on volatile capture technology.	in 1
Dr Jason Gandhi (Anaesthetic Speciality Trainee, Northern School of Anaesthesia)	22/01/2024	Peer Review	None	Name of Company/Org: Newcastle Upon Tyne Hospitals, Centre for Sustainable Healthcare & Association of Anaesthetists Nature of Interest: Fellow in sustainable anaesthesia. In this role, a branch of work was to investigate	None	Name of Company/Org: Newcastle Upon Tyne Hospitals, Centre for Sustainable Healthcare & Association of Anaesthetists Nature of Interest: Fellow in sustainable anaesthesia. In this role, a branch of work was to investigate	None	None	None	None	None

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	1 1					Lalatila aantuus		1			
				volatile capture technology		volatile capture					
				Date interest		technology Date interest					
				ceased: August		ceased: August					
				2023		2023					
				2023		2023					
				Name of		Name of					
				Company/Org:		Company/Org:					
				Newcastle Upon		Newcastle Upon					
				Tyne Hospitals,		Tyne Hospitals,					
				Centre for		Centre for					
				Sustainable		Sustainable					
				Healthcare &		Healthcare &					
				Association of		Association of					
				Anaesthetists		Anaesthetists					
				Nature of		Nature of					
				Interest: In this		Interest: In this					
				fellowship,		fellowship,					
				published		published					
				Effciency of		Effciency of					
				inhaled		inhaled					
				anaesthetic		anaesthetic					
				recapture in		recapture in					
				clinical practice.		clinical practice.					
				Comment on Br		Comment on Br					
				J Anaesth 2022;		J Anaesth 2022;					
				129: e79–81.		129: e79–81.					
				British Journal of Anaesthesia		British Journal of Anaesthesia				-	

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					T	T	1	T	1	T	
				2023; 130:		2023; 130:					
				e464–5.		e464–5.					
				Date interest		Date interest					
				ceased:		ceased:					
				Published 2023		Published 2023					
				Name of		Name of					
				Company/Org:		Company/Org:					
				Northern		Northern					
				School of		School of					
				Anasthesia		Anasthesia					
				Nature of		Nature of					
				Interest:		Interest:					
				Published in		Published in					
				Anaesthesia,		Anaesthesia,					
				volatile capture		volatile capture					
				technology in		technology in					
				sustainable		sustainable					
				anaesthetic		anaesthetic					
				practice: a		practice: a					
				narrative		narrative					
				review		review					
				Date: Released		Date: Released					
				via		via					
				ePublication.		ePublication.					
				Due for wider		Due for wider					
				release March		release March					
				2023.		2023.					
				Name of		Name of					
				Company/Org:		Company/Org:					

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						T	T	T	T.	Г	
				Working Group		Working Group					
				on		on					
				Sustainability in		Sustainability in					
				Anesthesiology		Anesthesiology					
				of the German		of the German					
				Society of		Society of					
				Anaesthesiology		Anaesthesiology	,				
				and Intensive		and Intensive					
				Care Medicine		Care Medicine					
				Nature of		Nature of					
				Interest: Asked		Interest: Asked					
				to present		to present					
				insights into		insights into					
				volatile capture		volatile capture					
				technology		technology					
				Date: Due to		Date: Due to					
				present		present					
				February 2024.		February 2024.					
				Name of		Name of					
				Company/Org:		Company/Org:					
				Pan London		Pan London					
				trainee		trainee					
				sustainability		sustainability					
				committee		committee					
				Nature of		Nature of					
				Interest:		Interest:					
				Presented up to		Presented up to					
				date evidence		date evidence					
				on volatile		on volatile					

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				capture technology Date interest ceased: December 2023 Name of Company/Org: RCoA updates Nature of Interest: Delivered an update on volatile capture technology Date interest ceased: 2022		capture technology Date interest ceased: December 2023 Name of Company/Org: RCoA updates Nature of Interest: Delivered an update on volatile capture technology Date interest ceased: 2022					
Dr Kenneth Barker (Consultant Anaesthetist, NHS Highland)	23/01/2024		None	Name of Company/Org: National Green Theatres Programme Nature of Interest: Clinical Lead Feb 2023 Date: Ongoing		None	None	None	None	None	None
Dr Mary Slingo (Consultant Anaesthetist &		Peer Review	None	Name of Company/Org: Royal College of Anaesthetists	None	None	None	None	None	None	Nature of Interest: Close collaborator with my

	ate of eclaration	Project element	Specific Personal Financial	Specific Personal non- financial	Specific non- personal financial	Specific non- personal non-financial	Non-specific Personal Financial	Non- specific Persona I Non- financia I	Non-specific non- personal financial	Non- specific non- personal non- financial	Any other interest of relevance?
MRC CARP Fellow, University Hospital Southampton & University of Oxford)				Nature of Interest: Member of Sustainability Advisory Board since January 2023 Date: Ongoing Name of Company/Org: Publications Nature of Interest: Publications in collaboration with my mother, Dame Julia Slingo FRS in both the BJA and Anaesthesia. Date: Ongoing Name of Company/Org: Presentations Nature of Interest: Presentations to local and							mother, Dame Julia Slingo FRS former Chief Scientist of the UK Met Office. She was a member of the First Minister's Environmen t Council until 2023 (ceased due to family duties; collaboratio n with Prof. Sir Ian Boyd ongoing). She is a world- leading climate scientist and together we have given many

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				national meetings on the science published in collaboration with Dame Julia Slingo Date: Ongoing							presentations over the past two years, and have had two publications (BJA 2021; Anaesthesia 2024) outlining the detailed climate science of anaesthetic gas emissions and correcting the rhetoric surrounding this. We collaborate closely with other leading climate scientists internationally.

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Dr Paul Southall (Consultant Anaesthetist, RCoA Environmental Advisor)	17/01/2024	Peer Review	None	Name of Company/Org: Malue Nature of Interest: Advisory Board Member (Sustainability) Date: Ongoing	None	None	None	None	None	None	None
Dr Sarah Cross (Anaesthetic Consultant, NHS Lothian)	25/01/2024	Peer Review	None	Name of Company/Org: NHS Lothian Nature of Interest: Publishing data on this subject Date: Ongoing	None	None	None	None	None	None	Name of Company/O rg: SageTech & Baxter Nature of Interest: Both have provided equipment for free pilot projects and data collection on our site

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Liam Mulholland (Head of Business Development, SageTech Medical)	29/01/2024		Name of Company/Org: SageTech Medical Nature of Interest: Financial Date: Ongoing	None	Name of Company/Org: SageTech Medical Nature of Interest: Salary Date: Ongoing	None	None	None	None	None	None
Prof. Marc Desmulliez (Manager of the Medical Device Manufacturing Centre (MDMC) & Academic Professor @ Heriot – Watt University)	18/01/2024	Peer Review		Name of Company/Org: NHS Scotland Centre for Sustainable Delivery (CfSD) Nature of Interest: Board member of the National Green Theatre Programme (NGTP) Date: Ongoing	None	None	Name of Company/Org: Birthing Solutions Limited Nature of Interest: CEO – Holding of Shares Date: Ongoing Name of Company/Org: Microsense Technologies Limited Nature of Interest: CEO – Holding of Shares Date: Ongoing		Name of Company/Org: Institute of Physics Nature of Interest: Fellowship Date: Ongoing Name of Company/Org: Institute of Engineering and Technology Nature of Interest: Fellowship Date: Ongoing Name of Company/Org:		None

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							Name of Company/Org: Heriot- Watt University Nature of Interest: Salary Date: Ongoing		Royal Society of Edinburgh Nature of Interest: Fellowship Date: Ongoing Name of Company/Org: Medical Device Manufacturing Centre Nature of Interest: Funding by Scottish Enterprise (£3.35M) Date: Ongoing Name of Company/Org: UKRI - EPSRC Nature of Interest: Funding regarding Place-Based Impact Accelerating		

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									Award on Community Healthcare Technologies (£2M) Date: Ongoing		
Stephen Roberts (East Sector Manager, Medical Engineering, NHS Lothian)	23/01/2024	Peer Review	None	None	None	None	None	None	None	None	None
Steve Wileman (Head of Research, SageTech Medical Equipment LTD)	30/01/2024	Peer Review	Name of Company/Org: SageTech Medical Nature of Interest: Salary Date: Ongoing	None	None	None	None	None	None	None	None