

Appendix S1 COVIDSurg Collaborative and GlobalSurg Collaborative authors.

Commented [r1]: To be indexed in PubMed

Writing group:

Joana FF Simoes* (Portugal), Dmitri Nepogodiev* (UK), Adesoji Ademuyiwa (Nigeria), Igor Buarque (Brazil), Kariem El-Boghdady (UK), Mengistu Gebreyohanes (Ethiopia), James C Glasbey (UK), Irmgard E. Kronberger (Austria), Schelto Kruijff (Netherlands), Elizabeth Li (UK), Markus Löffler (Germany), Hassan Mashbari (USA), Francesco Pata (Italy), Neil Smart (UK), Raza Sayyed (Pakistan), Sebastian Shu (Peru), Malin Sund (Sweden), Aneel Bhangu† (UK).

*Joint first authors

†Senior author and overall guarantor

Statistics:

Joana Simoes, Aneel Bhangu.

Operations Committee (alphabetical):

Waheed-UI-Rahman Ahmed, Leah Argus, Alasdair Ball, Aneel Bhangu*, Edward P Bywater, Ruth Blanco-Colino, Amanpreet Brar, Daoud Chaudhry, Brett E Dawson, Irani Duran, Muhammed Elhadi, James C Glasbey, Rohan R Gujjuri, Conor S Jones, Ewen M Harrison, Sivesh K Kamarajah, James M Keatley, Samuel Lawday, Elizabeth Li, Harvinder Mann, Ella J Marson, Kenneth A Mclean, Dmitri Nepogodiev*, Lisa Norman, Riinu Ots, Oumaima Outani, Maria Picciochi, Irène Santos, Catherine Shaw, Joana FF Simoes, Elliott H Taylor, Isobel M Trout, Chris Varghese, Mary L Venn, William Xu.

*Co-chairs

Dissemination Committee (alphabetical by country):

Chair: Joana FF Simoes; **Albania:** Irida Dajti, Arben Gjata; **Algeria:** Salah Eddine Oussama Kacimi; **Argentina:** Luis Boccalatte, Maria Marta Modolo; **Australia:** Daniel Cox, Peter Pockney, Philip Townend; **Austria:** Felix Aigner, Irmgard Elisabeth Kronberger; **Azerbaijan:** Elgun Samadov; **Bahrain:** Amer Alderazi; **Bangladesh:** Kamral Hossain; **Barbados:** Greg Padmore; **Belgium:** Gabrielle van Ramshorst; **Benin:** Ismail Lawani; **Bosnia and Herzegovina:** Anis Cerovac, Samir Delibegovic; **Brazil:** Glauco Baiocchi, Gustavo Mendonça Ataíde Gomes, Igor Lima Buarque; **Bulgaria:** Muhammad Gohar, Mihail Slavchev; **Cameroon:** Chukwuemeka Nwegbu; **Canada:** Arnav Agarwal, Amanpreet Brar, Janet Martin, Joshua Ng-Kamstra; **Chile:** Maria Marta Modolo, Maricarmen Olivos; **China:** Wenhui Lou, Dong-Lin Ren; **Colombia:** Jose Andres Calvache, Carlos J- Perez Rivera; **Croatia:** Ana Danic Hadzibegovic, Tomislav Kopjar, Jakov Mihanovic; **Cuba:** Pablo Mijahil Avilés Jiménez; **Cyprus:** Nikolaos Gouvas; **Czech Republic:** Jaroslav Klat, René Novýsedlák; **Democratic Republic of the Congo:** Nicolas Amisi; **Denmark:** Peter Christensen, Alaa El-Hussuna; **Dominican Republic:** Sylvia Batista; **Ecuador:** Eddy Lincango-Naranjo; **Egypt:** Sameh Emile; **El Salvador:** Danilo Alfonso Arévalo Sandoval; **Ethiopia:** Hailu Dhufera, Samuel Hailu, Mengistu G Mengesha; **Finland:** Joonas H Kauppila; **France:** Alexis P Arnaud; **Georgia:** Zaza Demetrashvili; **Germany:** Markus Albertsmeier, Hans Lederhuber, Markus W. Löffler; **Ghana:** Daniel Kwesi Acquah, Bernard Ofori, Stephen Tabiri; **Greece:** Symeon Metallidis, Georgios Tsoulfas; **Guatemala:** Maria-Lorena Aguilera-Arevalo, Gustavo Recinos; **Hungary:** Tamás Mersich, Dániel Wettstein; **India:** Dhruva Ghosh; **Indonesia:** Gabriele Kembuan; **Iran:** Peiman Brouki Milan, Mohammad Hossein Khosravi, Masoud Mozafari; **Iraq:** Ahmed Hilmi; **Ireland:** Helen Mohan; **Israel:** Oded Zmora; **Italy:** Gaetano Gallo, Francesco Pata, Gianluca Pellino; **Japan:** Yuki Fujimoto, Naoto Kuroda, Sohei Sato; **Jordan:** Mohamad K. Abou Chaar, Faris Ayasra; **Kazakhstan:** Ildar Fakhradiyev; **Kenya:** Intisar Hisham Said Hamdun; **Korea, Republic (South):** Jang Jin-Young; **Kuwait:** Mohammad Jamal; **Lebanon:** Lina Karout; **Libya:** Muhammed Elhadi; **Lithuania:** Aiste Gulla; **Madagascar:** Fanjandrainy Rasoaherinomenjanahary, Luc Hervé Samison; **Malaysia:** April Camilla Roslani; **Mexico:** Iran Irani Durán Sánchez, Diana Samantha Gonzalez, Laura Martinez, María José Martínez, Alejandra Nayen, Antonio Ramos-De la Medina; **Mongolia:** Jade Nunez; **Morocco:** Oumaima Outani; **Namibia:** Pueya Rashid Nashidengo; **Nepal:** Rakesh Shah, Ashish Lal Shrestha; **Netherlands:** Pascal Jonker, Schelto Kruijff, Milou Noltes, Pieter Steinkamp; **New Zealand:** Chris Varghese, Deborah Wright; **Nigeria:** Lukman Abdur-Rahman, Adesoji Ademuyiwa, Adewale Adisa, Babatunde Osinaike, Justina Seyi-Olajide, Omolara

Alesmail, Noran Algadi, Khuloud Almagrahi, Hadel Alost, Mohamed Alsharedi, Rasha Bashir, Mahmoud Ben ghrema, Sari Bin nour, Sofian Elbarouni, Ahmed Elhadi, Abdulmohimen A Elkhadar, Esraa Elkouba, Ibrahim Ellojii, Nabiha Elmshergahi, Abdulmohimen Gammoudi, ABDUIRAOUF Ghariba, Fatima Zayed Gjam, Arwa Haidar, Hala Helal, Mohammed Huwaysh, Ahmed Khalid alhadheeri, Eslam Kriem, Ahmed Mshergahi, Halim Osman, Mohamed Ali Ossman, Marwah Shilfeet, Laila Turshani (*Tripoli Medical Center/ Tripoli University Hospital, Tripoli*); Nouran Albishty, Abdulmueti Alhadi, Salem Ali, Manal Ahmed Altoumi, Sumayyah Ghayth Bahroun, Eman Younes (*Zawia Teaching Hospital, Zawia*); Hana Atarabulsi (*Taqwa Clinic, Zintan*); Mohamed Elshaibi, Abdullmujeeb Othman, Ismail Ali Saleh (*Zintan Teaching Hospital, Zintan*); Mohammed Alayan, Hayat Ben Hasan, Najat Shaban Ben Hasan, Rabab Shaban Ben Hasan (*Zliten Teaching Hospital, Zliten*).

Lithuania: Vidmantas Barauskas, Edvinas Dainius, Zilvinas Dambrauskas, Albertas Dauksa, Inga Dekeryte, Rita Gudaityte, Kristijonas Jasaitis, Akvilė Koženiauskaitė, Virgilijus Krasauskas, Ausra Lukosiute-Urboniene, Almantas Maleckas, Romualdas Riauka, Vygintas Šlenfuktas, Saulius Svagzdys, Kestutis Urbonas, Tomas Vanagas, Linas Venclauskas, Donatas Venskutonis, Justas Zilinskas (*Lithuanian University of Health Sciences Kaunas Clinics, Kaunas*); Marijus Ambrazevicius, Vilius Syminas (*Klaipeda Republic Hospital, Klaipeda*); Oleg Aliosin, Agne Cizauskaite, Vitalijus Eismontas, Jonas Jurgaitis, Vytenis Mikutaitis, Donatas Petrauskas, Narimantas Evaldas Samalavicius, Dainius Simcikas, Algirdas Slepavicius, Albinas Tamosiunas, Vaidotas Turskis, Bernardas Vasiliauskas (*Klaipeda University Hospital, Klaipeda*); Laura Anjukstyte, Audrius Dulskas, Gediminas Januška, Justas Kuliavas, Margarita Montrimaite (*National Cancer Institute, Vilnius*); Albertas Cekauskas, Aiste Gulla, Azuolas Algimantas Kaminskas, Sarunas Kozenevskis, Tomas Poskus, Kestutis Strupas, Arunas Zelvyis (*Vilnius University Hospital, Vilnius*).

Luxembourg: Georges Decker, Audrey Noël (*Hopitaux Robert Schuman, Luxembourg*).

Madagascar: Maheriandrianina Fanambinana Voahary Rajaonarivony, Randimbirina Zakarimanana Lucas (*Centre Hospitalier de Soavinandriana, Antananarivo*); Herimampionona E Andriantsoa, Mamisoa B Rasamoelina (*CHU Anosiala, Antananarivo*); Rakotonarivo Aina Andrianina Vatosoa, Liantsoa Andriamanana, Casimir FP Rahantsoa Finaritra, Aristide Romain Raherison, Tsirimalala Rajaobelison, Haritiana Rakotoarisoa, Maharo Ramifehiarivo, Solonirina Harinarindra Ranaivoson, Hajamihamina Marina Parfaite Randriantsoa, Fanjandrainy Rasoaherinomenjanahary, Narindra Njaraso Mihaja Razafimanjato, Jeannie BA Razafindrahita, Luc Hervé Samison, Solofoarimanana Solofoarimanana, Guillaume Odilon Tsiambanizafy (*Joseph Ravoahangy Andrianavalona Hospital, Antananarivo*); Rakotonaivo Mamisoa Judicaël, Corinne Eulalie Solo (*CHU Tanambao I, Antsiranana*); Tojomamy Herinjaka Ralaizafindraibe, Fanonjomahasoa Safiry Andofenohasina (*CHU Pzaga Androva, Mahajanga*); Hanta Rasataharifetra, Vanona barijaona Razafindraibe, Angelin Sablon Herinirina (*CHU Analankininina, Toamasina (Tamatave)*).

Malaysia: Andre Das, Thanga Ganapathy, Yohesuway Gunarasa, Kalyani Mariapan, Maathichsudhaar Muniandy, Mohd Firdauss Osman (*Hospital Kajang, Kajang, Selangor*); Mohd Azem Fathi Mohammad Azmi, Jien Yen Soh, Wan zainira Wan zain, Andee Dzulkarnaen Zakaria, Zaidi Zakaria (*Hospital Universiti Sains Malaysia, Kelantan*); Kheng Hooi Chan, Firdaus Hayati, Syamim Johan, Jin Jiun Mah, Ratha Krishnan Sriram, Sentilnathan Subramaniam (*Queen Elizabeth Hospital, Kota Kinabalu*); Nur Shahirah Binti Muhammad Shahimi, Khairul Hazim Hamdan, Mohd Razali Ibrahim, Guhan Muthkumaran, Ju Ann Tan, Mohana Raj Thanapal (*Hospital Kuala Lumpur, Kuala Lumpur*); Dayang Anita Abdul Aziz, Mae-Lynn Bastion, Mohd Hairul Nizam Harun, Farrah-Hani Imran, Norshamsiah Md Din, Ayesha Mohd Zain, Mushawiahti Mustapha, Syed Nabil, Ainal Adlin Naffi, Abd Jabar Nazimi, Roszalina Ramli, Bee Hong Soon (*University Kebangsaan Malaysia Medical Centre, Kuala Lumpur*); Pavin Bal, Joo Qing Cheng, Mohd Rusdi Draman, Ahmad nazran Fadzli, Sakina Ghauth, WeiPin Hung, Suniza Jamaris, Peng Soon Koh, Sivakumar Krishnasamy, Yeong Sing Lee, Yew Toong Liew, Jeffery Zk Lim, Raymond Chung Siang Lim, Hiong Chin Lim, Siti Farhan Moh Pauzi, Shireen Anne Nah, Ashvin Krishna Nair, Doris Sin Wen Ng, Yuki Julius Ng We Yong, Kamarajan Ramayah, April Camilla Roslani, Rahmah Saaid, Anand Sanmugam, Mee Hoong See, Kanesh Kumaran Seevalingam, Neha Sethi, Srihari Singaravel, Syeda Nureena Syed Jafer Hussain Zaidi, Chu Yik Tang, Li Ying Teoh, Kian Boon Wong, Ruben Xavier, Ahmad Shuib Yahaya (*University Malaya Medical Centre, Kuala Lumpur*); Norhafiza Ab. Rahman, Islah Munjih Ab. Rashid, Mohd Fahmi Abd Aziz, Mohd Norhisham Azmi Abdul Rahman, Nasser Muhammad Amjad, Shahidah Che Alhadi, Faisal Elagili, Mohd Nazli Kamarulzaman, Azmi Md Nor, Ahmad Faizal Othman, Mohd Yusof Sainal, Mat Salleh Sarif (*International Islamic University Malaysia Medical Centre, Kuantan*).

Pahang; Richelle Chua, Aini Fahriza Ibrahim (*Sarawak General Hospital, Kuching, Sarawak*); Abdul Rauf bin Ahmad, Yii Ling Lau, Ka Yee Liew, Kandasami Palayan, Hui Yu Wong, Jasiah Zakaria (*Hospital Tuanku Ja'afar, Seremban, Negeri Sembilan*); Nor Azimah Abd Aziz, Norazila Abdul Rahim, Noorneza Abdul Rahman, Bahiyah Abdullah, Mohamed Faizal Bin Sikkandar, Fatin Firman, Nik Mohd Hazleigh, Intan Kartika Kamarudin, Shahril Khalid, Mohd Fairudz Mohd Miswan, Akmal Zulayla Mohd Zahid, Norasyikin Mustafa, Kadhim Obaid, Mohd Yusoff bin Yahaya Yahaya, Ahmad Ramzi Yusoff (*Faculty of Medicine, Universiti Teknologi MARA, Sg. Buloh, Selangor*).

Malta: Predrag Andrejevic, Jeremy Borg Myatt, Svetlana Brincat, Clifford Caruana, Kurt Lee Chircop, Francesca Chircop, Daniel Mario Chircop, Charles Cini, Viktoria Czok, Melanie Farrugia, Gabriella Grima, Fatimah MJ Hassan Almkharig, Esther Muscat, Darryl Pisani, Mohsin Hassan Khan Roshan, Nicholas Schembri, Mohamed Shoukry, Neville Spiteri, Gilbert Tanti (*Mater Dei Hospital, Msida*).

Mexico: Ziad Aboharp Hasan, Alberto Bazan Soto, Cedillo Rodríguez Jonathan Rubén, Gustavo Esteban Lugo Zamudio, David Gerardo Miranda Gómez, José Alfredo Pérez Meave, Victor Pinto Angulo, Antonio Rojas Aguilar, Erik Efrain Sosa Duran, Alejandro Vázquez Perez (*Hospital Juárez de México, Ciudad de México*); Diego Arroyo, Jose Corona-Cruz, Hector Martinez-Said, Heriberto Medina-Franco, Manuel Mendez, Teresa Moreno y Suárez, Ma. Dolores Orta Díaz, Martha Patricia Pérez de León Vázquez, Angélica Azucena Soto Carvajal, Fidel Soto Hernández, Juan Ignacio Stenner, Adriana Valenzuela López (*Hospital Médica Sur, Ciudad de México*); Mauricio Rene Hernandez, Rey Jesus Romero (*Hospital Covadonga, Cordoba*); Aldo Bernal Hernandez, Ana Olivia Cortes-Flores, Carlos Jose Zuloaga Fernandez del Valle (*ANKER Oncología Global Especializada, Guadalajara*); Carlos Andres Colunga Tinajero, Jaime Orozco-Perez, Laura Gabriela Peña Balboa, Guillermo Yanowsky-Reyes (*Antiguo Hospital Civil de Guadalajara, Guadalajara*); Víctor Hugo Alcalá Torres, Francisco José Barbosa Camacho, Irma Valeria Brancaccio Perez, Miguel Angel Calderon-Llamas, Aldo Camacho Gomez, Edgar-Joaquin Cortes-Torres, Esteban Cueva-Martinez, Oscar Durán Anguiano, Isaac Esparza Estrada, Roberto Fierro-Rizo, Paola Flores Becerril, Clotilde Fuentes Orozco, Miguel García Castillo, Alejandro Gonzalez Ojeda, Ana Sofia Gonzalez Rubio, Erick Alonso González-García de Rojas, Luis Humberto Govea-Camacho, Jose Aldo Guzman Barba, Juan Carlos Ibarrola Peña, César Íñiguez Martínez, Francisco Javier Llamas- Macias, Ruben Eduardo Morán Galaviz, Cesar Nuño-Escobar, Oscar-Everardo Olvera-Flores, Jaqueline Osuna-Rubio, Jose Victor Pérez-Navarro, Rodrigo Prieto-Aldape, Luis Ricardo Ramirez Gonzalez, Marco Vinicio Ramirez Sánchez, Emilio Reyes, Olaya Moramay Romero-Limón, Carlos Beas Ruiz-Velasco, José Antonio Sánchez Martínez, Guillermo Sanchez-Villaseñor, Ismael Sedano-Portillo (*Hospital de Especialidades, CMNO-IMSS, Guadalajara*); Gabriela Ambriz Gonzalez, Pedro Berrones Moreno Berrones Moreno, Ana Beatriz Calderon Alvarado, José de Jesús Cárdenas Barón, Araceli Hernández, Francisco Javier León Frutos (*UMAE Hospital De Pediatría CMNO, Guadalajara Jalisco*); Edgard Efen Lozada Hernandez, Eduardo Morales valencia, karla Daniela Pérez (*Hospital Regional e Alta Especialidad del Bajío, León*); Francina Bolanos-Morales, Julio Herrera-Zamora, Patricio Santillan-Doherty (*Instituto Nacional de Enfermedades Respiratorias, Mexico*); David Omar Arriaga Zavala, Salvador Francisco Campos Campos, Lizette Carmona, Antonio Galindo Nava, Blanca Santos, Juan Roberto Torres Cisneros (*Hospital Angeles Lindavista, Mexico city*); Katya Bozada-Gutiérrez, Jose Jesus Herrera, Mucio Moreno Portillo, Francisco Pérez López, Mario Trejo-Avila, Carlos Valenzuela Salazar (*Hospital General Dr Manuel Gea González, Mexico city*); Maria Regina Alvarez, Fernando Cordera, Marco Antonio de la Rosa Abaroa, Antonio Gómez-Pedraza, Roberto Hernandez, Antonio Maffuz-Aziz, José Antonio Posada, Carlos Robles Vidal (*ABC Medical Center, Mexico City*); Jose-Luis Beristain-Hernandez, Blas Eduardo Quintero Sada, Nicolás Uxmal Soruco Heredia (*Centro Médico Nacional La Raza, Mexico City*); Ernesto Anaya, Ricardo Arceo-Olaiz, Bernardo Gutiérrez Sougarret, Sonia Lopez Flores, Hector Martinez-Said, Francisco J. Ochoa Carrillo, Raymundo Alfredo Pérez Uribe (*Hospital Angeles Pedregal, Mexico City*); Ludwigvan Adriano Bustamante Silva, Arianne I Lupián-Angulo, Christian Enrique Soulé Martínez (*Hospital Central Norte Pemex, Mexico City*); Francisco César Becerra García, Ernesto Javier Guerrero Casillas, Edgar Uribe (*Hospital San Angel Inn Patriotismo, Mexico City*); Nereida Esparza Arias, J.Mindy Hernández-Nava, David Isla-Ortiz, Javier Melchor-Ruan, Esmeralda Romero Bañuelos, Rosa Salcedo-Hernández, Diana Vilar-Compte, Paola Zinser Peniche (*Instituto Nacional de Cancerología, Mexico City*); Jorge L. Aguilar Frasco, Alejandro Alfaro-Goldaracena, Gabriela Alejandra Buerba, Emma Castro, Carlos Chan, Ruben Cortes, Ismael Domínguez-Rosado, Daniel Garay Lechuga, Miguel Herrera, Carlos Hinojosa, Gabriel Lopez-Pena, Edgar Martos, Heriberto Medina-Franco, Miguel Ángel Mercado, Paulina Moctezuma Velázquez, Roberto