

Collaborators

Writing group: Aneel Bhangu, Adesoji O Ademuyiwa, Maria Lorena Aguilera, Philip Alexander, Sara W Al-Saqqa, Guiliano Borda, Ainhoa Costas-Chavarri, Thomas M Drake, Ntirenganya Faustin, J Edward Fitzgerald, Stuart J Fergusson, James Glasbey, JC Allen Ingabire, Lawani Ismail, Hosni Khairy, Anyomih Theophilus Teddy Kojo, Marie Carmela Lapita, Richard Lilford, Andre L Mihaljevic, Dion Morton, Alphonse Zeta Mutabazi, Dmitri Nepogodiev, Adewale O. Adisa, Riinu Ots, Francesco Pata, Thomas Pinkney, Tomas Poškus, Ahmad Uzair Qureshi, Antonio Ramos-De la Medina, Sarah Rayne, Catherine A Shaw, Sebastian Shu, Richard Spence, Neil Smart, Stephen Tabiri, Ewen M Harrison

Patient representatives: Azmina Verjee, Emmy Runigamugabo

Study guarantors: Aneel Bhangu (aneelbhangu@gmail.com), Ewen M Harrison (ewen.harrison@gmail.com)

Protocol development: Chetan Khatri, Midhun Mohan, Thomas M Drake, James Glasbey, Dmitri Nepogodiev, Catherine A Shaw, Zahra Jaffry, Stuart J Fergusson, Francesco Pata, Adesoji O Ademuyiwa, Afnan Altamini, Hosni Khairy Salem, Andrew Kirby, Kjetil Soreide, Gustavo Recinos, Richard Spence, Sarah Rayne, Stephen Tabiri, Jen Cornick, Thomas Pinkney, Richard Lilford, J Edward Fitzgerald, Ewen M Harrison, Aneel Bhangu

National leads:

Argentina, Maria Modolo; **Australia**, Dushyant Iyer, Sebastian King, Tom Arthur; **Bangladesh**, Nazmum Nahar; **Barbados**, Ade Waterman; **Benin**, Lawini Ismail; **Canada**, Arnav Agarwal, Augusto Zani, Mohammed Firdouse, Tyler Rouse; **China**, Qinyang Liu; **Colombia**, Juan Camilo Correa; **Egypt**, Hosni Khairi; **Estonia**, Peep Talving; **Ethiopia**, Mengistu Worku; **France**, Alexis Arnaud; **Ghana**, Stephen Tabiri; **Greece**, Vassilis Kalles; **Guatemala**, Maria Lorena Aguilera, Gustavo Recinos; **India**, Basant Kumar, Sunil Kumar; **Ireland**, Roy Quek; **Italy**, Francesco Pata, Luca Ansaloni; **Jordan**, Ahmed Altibi; **Lithuania**, Donatas Venskutonis, Justas Zilinskas, Tomas Poskus; **Madagascar**, John Whitaker; **Malawi**, Vanessa Msosa; **Malaysia**, Tew Yong Yong; **Malta**, Alexia Farrugia, Elaine Borg; **Mexico**, Antonio Ramos-De La Medina; **Morocco**, Zineb Bent; **Nigeria**, Adesoji Ademuyiwa; **Pakistan**, Tanzelela Gala; **Palestinian Territory**, Ibrahim Al-Slaibi, Haya Tahboub, Osaid Al-Serr, Osaid Alser; **Peru**, Diego Romani, Sebastian Shu Yip; **Poland**, Piotr Major; **Romania**, Aurel Mironescu, Matei Bratu, Amar Kourdouli; **Saint Kitts and Nevis**, Aliyu Ndajiwo; **Saudi Arabia**, Abdulaziz Altwijri, Mohammed Ubaid Alsaggaf, Ahmad Gudal, Al Faifi Jubran; **Sierra Leone**, Sam Seisay; **Singapore** Bettina Lieske; **South Africa**, Sarah Rayne, Richard Spence; **Spain**, Irene Ortega; **Sri Lanka**, Jenifa Jeyakumar, Kithsiri Senanayake; **Sudan**, Omar Abdulbagi; **Sweden**, Yucel Cengiz; **Switzerland**, Dmitri Raptis; **Turkey**, Yuksel Altinel; **United Kingdom**, Chia Kong, Ella Teasdale, Gareth Irwin, Michael Stoddart, Rakan Kabariti, Samera Dean, Sukrit Suresh; **United States**, Katherine Gash, Mark Scott, Ragavan Narayanan; **Zambia**, Mayaba Maimbo

Local collaborators:

Albania: Besmir Grizhja, Shpetim Ymeri, Gezim Galiqi (Spitali Rajonal Shkoder);

Argentina: Roberto Klappenbach, Diego Antezana, Alvaro Enrique Mendozabeñó, Cecilia Costa, Belen Sanchez, Susan Aviles (Hospital Zonal General De Agudos Simplemente Evita); Mariamarta Modolo, Claudio Gabriel Fermani, Ruben Balmaceda (Clinica Santa Maria);

Australia: Daniel Hamill, Peter Deutschmann, Simone Sandler (Alice Springs Hospital); Ram Nataraja, Claire Sharpin, Damir Ljuhar (Monash Medical Center); Demi Gray, Morgan Haines (Port Macquarie Base Hospital); Dush

Iyer (Liverpool Hospital); Morvarid Ashtari, Helena Franco, (Gold Coast University Hospital).

Bangladesh: Sabbir Karim, Ashrarur Rahman Mitul (Dhaka Shishu (Children Hospital)); Ashiqur Rahman Ashiq, Nowrin F Aman (Shaheed Suhrawardy Medical college); Umme Salma, Joyeta Razzaque, Tasnia Hamidkanta (Dhaka Medical College And Hospital); Orindom Shing, Atiqur Rahman,); Sayeedaaktar Tori, Md.Shadid Alamin, Swapnil Roy, Md.Shadid Al Amin (Armed Forces Medical College); Muhtarima Haque, Amreen Faruq, Farhana Iftekhar (Birdem Bangladesh Institute Of Research And Rehabilitation In Diabetes Endocrine And Metabolic Disorder General Hospital);

Barbados: Margaret O'shea, Greg Padmore, Ramesh Jonnalagadda (Queen Elizabeth Hospital).

Belarus: Andrey Litvin, Aliaksandr Filatau, Dzmitry Paulouski, Maryna Shubianok, Tatsiana Shachykava (Gomel Regional Clinical Hospital); Dzianis Khokha, Vladimir Khokha (City Hospital)

Benin: Fernande Djivoh, Ismaïl Lawani, Francis Dossou (Centre National Hospitalier Et Universitaire Hubert Koutoukou Maga); Yacoubou Imorou Souaibou, Djifidmorel Seto, Dansougaspard Gbessi, Bruno Noukpozoukou (Centre National Hospitalier Et Universitaire Hubert Koutoukou Maga); Kpèmahoutonrené Keke, Fred Hodonou (Clinique Vignon); Ernestyemalinstephane Ahounou, Thierry Alihonou (Hopital El Fateh); Max Dénakpo, Germain Ahlonsou (Hospital Saint Luc).

Botswana: Gezahegn Ayane, Michael Walsh, Alemayehu Ginbo Bedada (Princess Marina Hospital).

Burundi: Carlos Nsengiyumva, Sandrine Kwizera, Venerand Barendegere (Hopital Militaire De Kamenge).

Cambodia: Philip Choi, Simon Stock (World Mate Emergency Hospital)

Canada: Luai Jamal, Mohammed Firdouse, Augusto Zani, Georges Azzie, Sameer Kushwaha (The Hospital For Sick Children).

China: Tzu-Ling Chen, Chingwan Yip (Fudan University Affiliated Huashan Hospital).

Colombia: Irene Montes, Felipe Zapata, Sebastian Sierra (Clinica CES); Mariaisabel Villegaslanau, Mariaclara Mendozaarango, Ivan Mendozarestrepo (Clinica Las Vegas), Sebastian Sierra, Rubensantiago Restrepogiraldo, Mariaclara Mendozaarango (Hospital Universitario San Vicente Fundación).

Croatia: Edgar Domini, Robert Karlo, Jakov Mihanovic (Zadar General Hospital).

Egypt: Mohamed Youssef, Hossam Elfeki, Waleed Thabet, Aly Sanad, Gehad Tawfik, Ahmed Zaki, Noran Abdel-Hameed, Mohamed Mostsfa, Muhammad Fathi Waleed Omar, Ahmedabdelaziz Ghanem, Emad Abdallah, Adel Denewar, Eman Emara, Emanmohamed Rashad, Ahmad Sakr, Rehab Elashry, Sameh Emile (Mansoura University Hospital); Toqa Khafagy, Sara Elhamouly, Arwa Elfarargy, Amna Mamdouhmohamed, Ghada Saiednagy, Abeer Esam, Eman Elwy, Aya Hammad, Salwa Khallaf, Eman Ibrahim, Ahmed Saidbadr, Ahmed Moustafa, Amany Eldosoukymohammed, Mohammed Elgheriany, Eman Abdelmageed, Eman Abd Al Raouf, Esraasamir Elbanby, Maha Elmasry, Mahitab Morsyfarahat, Eman Yahyamansor, Eman Magdyhegazy, Esraa Gamal, Heba Gamal, Hend Kandil, Doaa Maherabdelrouf, Mohamed Moaty,(Menofiya University Hospital); Dina Gamal, Nada El-Sagheer, Mohamed Salah, Salma Magdy, Asmaa Salah, Ahmed Essam, Ahmed Ali, Mahmoud Badawy, Sara Ahmed, (Buni Suf University Hospital); Mazed Mohamed, Abdelrahman Assal, Mohamed Sleem, Mai Ebidy, Aly Abd-Elrazek, Dina Aldin Zahran, Nourhan Adam, Mohamed Nazir, Adel Bakr, Ahmed Ismail, Amira Alsawy, Rana Mamdouh, Mohamed Al-Sayed, Lopna Ahmed, Mohamed Hassabalnaby, Eman Magdy, Manar Abd-Elmawla, Marwan Fahim, Marwan Fahim, Bassant Mowafy, Moustafa Ibrahim, Meran Allam, Muhammad Alkelani, Noran Halim El Gendy, Mariam Saad Aboul-Naga, Reham Alaael-Din, Alyaa Halimelgendy, Mohamed Ismail, Mahomoud Shalaby, Aya Adelelsharkawy, Mahmoud Elsayed Moghazy, Khaled Heshamelbisomy, Hend Shakshouk, Mohamed Hamed, Mai Mohamed Ebidy, Mostafa Abdelkader, Mohamed Karkeet (Alexandria Main University Hospital); Hayam Ahmed, Israa Adel, Mohammad Elsayed, Mohamed Ibrahim, Omar Ghoneim, Omar Hesham, Eman Mohamed Morshedy, Shima Gamal, Karim Hilal, Omar Arafa, Sawsan Adel Awad, Menatalla Salem, Fawzia Abdellatif Elsherif, Nourhan Elsabbagh, Moustafa R. Aboelsoud, Ahmed Hossameldinfouadrida, Amr Hossameldin, Ethar Hany, Yomna Hosny Asar, Nourhan Anwar, Mohamed Gadelkarim, Eman Elmorshedy,

Samar Abdelhady, Reham Saad, Nourhan Soliman, Mahmoud Salama (Alexandria Medical Research Institute); Eslam Ezzat, Arwa Ibrahim, Alaa Fergany, Sara Mohammed, Aya Reda, Yomna Allam, Hanan Adel Saad, Afnan Abdelfatah, Aya Mohamed Fathy, Ahmed El-Sehily, Esraa Abdalimageed Kasem, Ahmed Tarek Abdelbaset Hassan, Ahmed Rabeih Mohammed, Abdalla gamal saad, Yasmin Elfouly, Nesma Elfouly, Arij Ibrahim, Amr Hassaan, Mohammed Mustafa Mohammed, Ghada Elhoseny, Mohamed Magdy, Esraa Abd Elkhalek, Yehia Zakaria, Tarek Ezzat, Ali Abo El Dahab, Mohamed Kelany, Sara Arafa, Osama Mokhtar Mohamed Hassan, Nermin Mohamed Badwi Ahmad Saber Sleem, (Faculty Of Medicine, Zagazig University); Muhammadamsyarauni Lokman, Suraya Bahar, Anan Radyabdelazeam, Abdelrahman Adelshone, Muhammad Bin Hasnan, Athirah Zulkifli, Siti Nur Alia Kamarulzamil, Abdelaziz Elhendawy, Aliang Latif, Ahmad Bin Adnan, Shahadatul Shaharuddin, Aminah Hanum Haji Abdul Majid, Mahmoud Amreia, Dina Al-Marakby, Mahmoud Salma, Mohamadjeffreybin Ismail, Elissa Rifhan Mohd Basir, Citra Dewi Mohd Ali, Aya Yehia Ata (Faculty Of Medicine, Tanta University); Maha Nasr, Asmaa Rezzq, Ahmed Sheta, Sherif Tariq, Abd Elkhalek Sallam, Abdelrhman Darwish, Sohaila Elmihy, Shady Elhadry, Ahmed Farag, Haidar Hajeh, Abdelaziz Seliem, Amro Aglan, Ahmed Zohair, Mahitab Essam, Omar Moussa, Esraa El-Gizawy, Mostafa Samy, Safia Ali, Esraa Elhalawany, Ahmed Ata, Mohamed Elhalawany, Mohamed Nashat, Samar Soliman, Alaa Elazab, Mostada Samy, (El-Menshawy General Hospital); Mohamedahmed Abdelaziz, Khaled Ibrahim, Ahmed mohamed Ibrahim, Ammar Gado, Usama Hantour (Al-Hussein Hospital); Esraa Mohammed Almeldeen, Mohamed Redamostafaloaloo, Arwa Abouzaid, Mostafa Ahmedbahaeldin, Eman Hashad, Fathy Sroor, Doaa Gamil, Eman Mahmoudabdulhakeem, Mahmoud Zakaria, Fawzy Mohamed, Marwan Abubakr, Elsayed Ali, Hesham Magdy, Mennatallah Ramadan, Mohamed Abdelatymohamed, Salma Mansour, Hager Abdulazizamin, Ahmed Rabiemohamed, Mahmoud Saami, Nada Ahmedredaelsayed, Adham Tarek, Sabry Mohyeldeenmahmoud, Islam Magdyelsayed, Amira Reda, Martina Yusufshawky, Mohammed Mousasalem, Shahinaz Alaa El-Din, Noha Abdullahsoliman, Muhammed Talaat, Shahinaz Alaael-Dein Ahmed Abdelmoenelhusseiny, Noha Abdullah, Mostafa Ahmedbahaeldin, Mohammed Elshaar, Aya Abdelfatahbraheem, Hager Abdulaziz, Mohammed Kamal Ismail, Mona Hamdymadkor, Mohamed Abdelaty, Sara Mahmoudabdel Kader, Osama Mohamedsalah, (Benha Faculty Of Medicine); Mahmoud Eldafrawy, Ahmed Zakieldeeb, Mostafa Mahmoudeid (6 October University Hospital); Attia Attia, Khalid Salah El-Dien, Ayman Shwky (Bab El-Shareia University Hospital); Mohamed Adel Badenjki, Abdelrahman Soliman, Samaa Mahmoud Al Attar, (The Memorial Soaad Kafafi University Hospital); Farrag Sayed, Fahd Abdelsabour, Mohammed Gamal, Muhammed Shawqi, Abdullah Hashimahmed, Ahmed Aamer, Ahmed Mahmoudabdelraouf, Mahmoud Abdelshakour, Amal Ibrahim, Basma Mahmoud, Mohamedalimahmoud Alimahmoud, Mostafa Qenawy, Ahmed M. Rashed, Ahmed Dahy, Marwa Sayed, Ahmed W. Shamsedine, Bakeer Mohamed, Ahmed Hasan, Mahmoud Saad, Khalil Abdulbassit (Assiut University Hospital); Nadia Khalidabdelatif, Nada Elzahed, Ahmed Elkashash, Nada mohamed bekhet, Sarah Hafez, Ahmed Gad, Mahmoud Elkhadragey, Ahmed Abdelsameea, Mohamed Hafez, Ahmad Sabe, Ataa Ahmed, Ahmed Shahine, Khaled Dawood, Shireen Gaafar, Reem Husseiny, Omnia Aboelmagd, Ahmed Soliman, Nourhan Mesbah, Hossam Emadeldin, Amgad Almeligy, Amira Hassan Bekhet, Doaa Hasan, Khaled Alhady, Ahmad Sabe, Mahmoud A. Elnajjar, Majed Aboeella, Ward Hamsho, Ihab Hassan, Hala Saad, Galaleldin Abdelazim, Hend Mahmoud, Noha Wael Ahmedali Kandil, Ahmed Magdy, Shimaa Saidelkholy, Badreldineadel Adel, Kareem Dabbour, Saged Elsherbiney, Omar Mattar, Abdulshafi Khaled Abdrabou, Mohammed Aly, Abdelrahman Geuoshi, Ahmedglal Elnagar, Saraibrahim Ahmed, Ibrahim Abdelmotaleb, Amr Saleh, Hesham Mohammedbakry, Manar Saeed, Shady Mahmoud, Badreldinadel Tawfik, Samar Adelismail, Esraay Zakaria, Mariam O.Gad, Mohamedsalah Elhelbawy, Monica Youssef, Nadia Khaledabdel-Latif, Noha Maraie, Nourhan Medhat Elhadary, Nourhan Semeda, Shaza Rabiemohamed, Hesham Mohammed Bakry, AA Essam (Kasr Al-Ainy Faculty Of Medicine, Cairo University); Dina Tarek, Khlood Ashour, Alaa Elhadad, Abdelrahman Abdel-Aty, Ibrahim Rakha, Sara Mamdouhmatter, Rasha Abdelhamed, Omar Abdelkader, Ayat Hassaan, Yasmin Soliman, Amna Mohamed, Ayat Hassan, Sara Ghanem, Sara

Amrmohamedfarouk, Eman Mohamedibrahim, Esraa El-Taher (Faculty Of Medicine Seuz Canal University); Merna Mostafa, Mohamedfawzy Mahrousbadr, Rofida Elsemelawy Aya El-Sawy, Ahmad Bakr, Ahmad Al-Rafati (Smouha University Hospital);

Estonia: Sten Saar, Arvo Reinsoo, Peep Talving (The North Estonia Medical Centre);

Ethiopia: Nebyou Seyoum, Tewodros Worku, Agazi Fitsum, (Addis Ababa University, College Of Health Sciences, School Of Medicine);

Finland: Matti Tolonen, Ari Leppäniemi, Ville Sallinen (Helsinki University Hospital);

France: Benoît Parmentier, Matthieu Peycelon, (Trousseau Hospital); Sabrina Dardenne, Elsa Robert (Hôpital Saint Vincent De Paul); Betty Maillot, Etienne Courboin, Alexis Pierre Arnaud, Juliette Hascoet (University Hospital); Olivier Abbo, Amir Ait Kaci, Thomas Prudhomme (CHU Toulouse); Quentin Ballouhey, Céline Grosos, Laurent Fourcade (Limoges University Hospital); Tolg Cecilia, Colombani Jean-Francois, Francois-Coridon Helene (Children And Mother Hospital); Xavier Delforge, Philippe Buisson, (CHU Amiens Picardie); Bertrand Dousset, Roberto Schiavone, Sebastien Gaujoux, (Cochin - Aphp); Jean-Baptiste Marret, Aurore Haffreingue, Julien Rod (Hospital Caen University); Mariette Renaux-Petel (CHU Charles Nicolle); Jean-François Lecompte, Jean Bréaud, Pauline Gastaldi (CHU Lenval); Chouikh Taieb, Raquillet Claire, Echaieb Anis (Hopital Robert Ballanger); Nasir Bustangi, Manuel Lopez, Aurelien Scalabre (CHU De Saint Etienne, Hôpital Nord); Mariagiovanna Grella (University Hospital Of Poitiers); Aurora Mariani, Guillaume Podevin, Françoise Schmitt (CHU Angers)

Ghana: Stephen Tabiri, Anyomih Theophillusteddykojo, Dickson Bandoh, Francis Abantanga, Martin Kyereh, Hamza Asumah, Eric Kofi Appiah, Paul Wondoh (Tamale Teaching Hospital); Adam Gyedu, Charles Dally, Michael Amoah, Abiboye Yifeyeh (Komfo Anokye Teaching Hospital); Frank Owusu (St. Particks Hospital); Mabel Amoako-Boateng, Makafui Dayie, Richmond Hagan, Sam Debrah, (Cape Coast Teaching Hosital); Michael Ohene-Yeboah, Joe Nat Cleggy Lampety, Victor Etwire, Jonathan Dakubo, Samuel Essoun, William Bonney, Hope Glover-Addy, Samuel Osei-Nketiah, Joachim Amoako, Niiarmah Adu-Aryee, William Appeadu-Mensah (Korle-Bu Teaching Hospital); Mattew Ekow, Emmanuel Akatibo, Musah Yakubu (Baptist Medical Center, Nalerigu); Hope Kordorwu, Kwasi Asare-Bediako, Enoch Tackie (Keta Hospital District Hospital, Keta); Kenneth Aaniana, Emmanuel Acquah, Richard Opoku-Agyeman, Anthony Avoka, Kwasi Kusi, Kwame Maison, (Techiman Holy Family Hospital); Frank Enoch Gyamfi (Berekum Holy Family Hospital); Gandau Naabarnabas, Saiba Abdul-Latif (Upper West Regional Hospital); Philip Taahamoako (Samapa Government Hospital); Anthony Davor, Victor Dassah (Upper East Regional Hospital); Enoch Dagoe (St. Mary's Hospital); Prince Kwakyeafriyie (Essumejaman Sda Hospital, Dominase); Elliot Akoto, Eric Ackom, Ekow Mensah (Dormaa Presbyterian Hospital); Ebenezer Takyi Atkins, Christian Lari Coopson (Brongho-Ahafo Regional Hospital, Sunyani)

Greece: Nikolaos Ivros, Christoforos Ferousis, Vasileios Kalles, Christos Agalianos, Ioannis Kyriazanos, Christos Barkolias, Aggelos Tselos, Georgios Tzikos, Evangelos Voulgaris (Naval And Veterans Hospital); Dimitrios Lytras, Athanasia Bamicha, Kyriakos Psarianos (Achillopoyleio General Hospital Of Volos); Anastasios Stefanopoulos (General Hospital Of Nafplio, Department Of Surgery); Ioannis Patoulis, Dimitrios Sfougaris, Ioannis Valioulis (G. Gennimatas Hospital); Dimitrios Balalis, Dimitrios Korkolis (Saint Savvas Anticancer Hospital); Georgios Kyrou, Georgios Karabelias, Iason-Antonios Papaskarlatos (General And Oncological Hospital Of Kifissia-Athens); Konstantina Kolonia, (General Hospital Of Larissa); Aspasia Papailia, Theodosios Theodosopoulos, Georgios Gkiokas (2nd Dept Of Surgery, Aretaieion Hospital, National & Kapodistrian University Of Athens School Of Medicine); Magdalini Mitroudi, Christina Panteli, Thomas Feidantsis, Konstantinos Farmakis, (G. Gennimatas General Hospital); Dimitrios Kyziridis, Orestis Ioannidis, Styliani Parpoudi (4th Surgical Department, Aristotle University Of Thessaloniki, General Hospital, Papanikolaou); Georgios Gemenetzis (Attikon University Hospital); Christos Anthoulakis, Nikolaos Nikoloudis, Michail Margaritis (Serres General Hospital);

Guatemala: Maria-Lorena Aguilera-Arevalo, Otto Coyoy-Gaitan, Javier Rosales (Hospital General San Juan De Dios); Luis Tale, Rafael Soley, Emmanuel Barrios (Juan José Arevalo Bermejo); Servio Tulio Torres Rodriguez,

Carlos Pazgalvez, Danilo Herreracruz (Hospital San Vicente); Guillermo Sanchezrosenberg, Alejandro Matheu, David Monterroso (Hospital Herrera Llerandi);

Haiti: Marie Paul, Angeline Charles (Hopital Universitaire De Mirebalais);

Hong Kong SAR, China: Justinchakyiu Lam, Manhonandrew Yeung, Chiyingjacquelyn Fok, Kahingabriel Li, Anthonychuk-Him Lai, Yukhongerich Cheung, Hongyee Wong, Kawai Leung, Tiensengbryan Lee, Waihim Lam, Weihei Dao, Stephaniehiu-Wai Kwok, Tsz-Yankatie Chan, Yungkok Ng (Prince Of Wales Hospital); Qinyang Liu, Foo Chichung, James Yang, (University Of Hong Kong);

India: Basant Kumar, Ankur Bhatnagar, Vijaid Upadhyaya, (Sanjay Gandhi Post Graduate Institute Of Medical Sciences); Sunil Kumar (Excelcare Hospital); Uday Muddebihal, Wasim Dar, Janardhan Kc (Manipal Hospitals); Philip Alexander, Neerav Aruldas, (Lady Willingdon Hospital);

Indonesia: Jacklyn Adella, Anthonius Rulie, Ferdy Iskandar (Atma Jaya Hospital); Ciciliaviany Evajelista, Hani Natalie, Arlindawati Arlindawati (Dr. Oen Surakarta Hospital); Rudy Gunawan, Herlin Karismaningtyas, Lusipadmasulistianingsih Mata, Ferryfitriyaayu Andika, Afifatun Hasanah, T Ariani Widiastini, Nurlailaayu Purwaningsih, Annisadewifitriana Mukin, Dinafaizatur Rahmah, Hazmidwinanda Nurqistan, Hasbima Maulana Arsyad, Novia Adhitama (Rsd Dr Soebandi); Wifantosaditya Jeo, Nathania Sutandi, Audrey Clarissa, Phebeanggita Gultom, Matthew Billy, Andreass Haloho, Radhian Amandito, Nadya Johanna, Felix Lee (Rsupn Cipto Mangunkusumo);

Ireland: Radinmohdnurrahman Radindorani, Martha Glynn, Mohammad Alherz, Wennweoi Goh, Haarisaziz Shiwani, Lorraine Sproule (Adelaide And Meath National Children's Hospital)

Israel: Miklosh Bala, Asaf Kedar (Hadassah Hebrew University Medical Center);

Italy: Luca Turati, Federica Bianco, Luca Turati, Francesca Steccanella, (Treviglio Hospital); Gaetano Gallo, Mario Trompetto, Giuseppe Clerico (S. Rita Clinic); Matteo Papandrea, Giuseppe Sammarco, Rosario Sacco (Policlinico Universitario Mater Domini Campus S. Venuta); Angelo Benevento, Francesco Pata, Luisa Giavarini (Sant'Antonio Abate Hospital, Gallarate); Mariano Cesare Giglio, Luigi Bucci, Gianluca Pagano, Viviana Sollazzo, Roberto Peltrini, Gaetano Luglio (Federico II University Of Naples); Arianna Birindelli, Salomone Di Saverio, Gregorio Tugnoli (Maggiore Hospital); Miguel Angel Paludi, Pietro Mingrone, Domenica Pata (Nicola Giannettasio Hospital, Rossano); Francesco Selvaggi, Lucio Selvaggi, Gianluca Pellino, Natale Dimartino (Second University Of Naples); Gianluca Curletti, Paolo Aonzo, Raffaele Galleano (Ospedale Santa Corona); Stefano Berti, Elisa Francone, Silvia Boni, (S. Andrea Hospital, Poll-Asl 5, La Spezia), Laura Lorenzon, Annalisa Lo Conte, Genoveffa Balducci (Sant'Andrea Hospital, Sapienza University of Rome); Gianmaria Confalonieri, Giovanni Pesenti (Azienda Ospedaliera Manzoni); Laura Gavagna, Giorgio Vasquez, Simone Targa, Savino Occhionorelli, Dario Andreotti (Azienda Ospedaliero-Universitaria Di Ferrara); Giacomo Pata (A.O. Spedali Civili Di Brescia); Fabrizio Aquilino, Nicola Chetta, Arcangelo Picciariello (Azienda Ospedaliero Universitaria Consorziale Policlinico Di Bari); Mohamed Abdelkhalek, Andrea Belli, Silvia De Franciscis (Istituto Nazionale Tumori Fondazione . Pascale-I.R.C.C.S.); Annamaria Bigaran, Alessandro Favero, Stefano M.M Basso (Azienda Per L'assistenza Sanitaria N. 5 Friuli Occidentale); Paola Salusso, Martina Perino, Sylvie Mochet, Diego Sasia, Francesco Riente, Marco Migliore (Azienda Sanitaria Ospedaliera San Luigi Gonzaga); David Merlini, Silvia Basilicò, Carlo Corbellini (Ospedale Di Rho - ASST Rhodense); Veronica Lazzari, Yuri Macchitella, Luigi Bonavina (IRCCS Policlinico San Donato); Daniele Angelieri, Diego Coletta, Federica Falaschi, Marco Catani, Claudia Reali, Mariastella Malavenda, Celeste Del Basso, Sergio Ribaldi, Massimo Coletti, Andrea Natili, Norma Depalma, Immacolata Iannone, Angelo Antoniozzi, Davide Rossi (Policlinico Umberto I Emergency Surgery Department); Daniele Gui, Gerardo Perrotta, Matteo Ripa, Francesco Giardino, Maurizio Foco, (Fondazione Policlinico Universitario Agostino Gemelli); Erika Vicario, Federico Coccolini, Luca Ansaloni, Gabriela Elisa Nita (AO Papa Giovanni XXIII); Nicoletta Leone, Andrea Bondurri, Alessia Morello (Ospedale Sacco); Andrea Simioni, Davide De Boni, Sandro Pasquali (IOV - Istituto Oncologico Veneto); Elena Goldin, Elena Vendramin, Eleonora Ciccioli (Azienda Ospedaliera di Padova); Umberto

Tedeschi, Luca Bortolasi, Paola Violi, Tommaso Campagnaro, Simone Conci, Giovanni Lazzari, Calogero Iacono, Alfredo Gulielmi, Serena Manfreda (Azienda Ospedaliera Universitaria Integrata di Verona); Anna Rinaldi, Maria Novella Ringressi, Beatrice Brunoni (Azienda Ospedaliera Universitaria Careggi); Giuseppe Salamone, Mirko Mangiapane, Paolino De Marco, Antonella Labrocca, Roberta Tutino, Vania Silvestri, Leo Licari, Tommaso Fontana, Gianfranco Cocorullo (Policlinico Paolo Giaccone di Palermo); Mostafa Shalaby, Pierpaolo Sileri, Claudio Arcudi (Policlinico Tor Vergata Hospital, Rome)

Jordan: Isam Bsisu, Khaled Aljboor, Lana Abusalem, Aseel Alnusairat, Ahmad Qaissieh, Emad Al-Dakka (Jordan University Hospital);

Kenya: Taha Yusufali, Hussein Mohammed (Kenyatta National Hospital); Justus Lando, Robert Parker, Wairimu Ndegwa (Tenwek Hospital);

Lithuania: Mantas Jokubauskas, Jolanta Gribaускаite, Donatas Venskutonis (Hospital Of Lithuanian University Of Health Sciences Kaunas Clinics); Justas Kuliavas, Audrius Dulskas, Narimantas E. Samalavicius (National Cancer Institute); Kristijonas Jasaitis, Audirus Parseliunas, Viktorija Nevieraitė, Margarita Montriomaite, Evelina Slapelyte, Edvinas Dainius, Romualdas Riauka, Zilvinas Dambrauskas Andrejus Subocius, Linas Venclauskas, Antanas Gulbinas, Saulius Bradulskis, Simona Kasputyte, Deimante Mikuckyte, Mindaugas Kiudelis, Justas Zilinskas, Tomas Jankus, Steponas Petrikenas (Lithuanian University of Health Sciences); Matas Pažusis, Zigmantas Urniežius, Mantas Vilčinskis (Republican Hospital of Kaunas); Vincasjonas Banaitis, Vytautas Gaizauskas, Edvard Grisin, Povilas Mazrimas, Rokas Rackauskas, Mantas Drungilas, Karolis Lagunavicius, Vytautas Lipnickas, Dovile Majauskyte, Valdemaras Jotautas, Tomas Abaliksta, Laimonas Uščinas, Gintaras Simutis, Adomas Ladukas, Donatas Danys, Erikas Laugzemys, Saulius Mikalauskas, Tomas Poskus (Vilnius University Hospital Santariskiu Klinikos); Petras Višinskas, Reda Žilinskienė, Deividas Dragatas (Hospital Of Jonava); Andrius Burmistrovas, Zygimantas Tverskis (Taurage Hospital); Arturas Vaicius, Ruta Mazelyte, Antanas Zadoroznas (Viesoji Istaiga Rokiskio Rajono Ligonine); Nerijus Kaselis, Greta Žiubrytė, (Republican Hospital Of Klaipeda);

Madagascar: Finaritracasimirfleurprudence Rahantsoa, Luchervé Samison, Fanjandrainy Rasoaherinomenjanahary, Todisoaemmanuelachristina Tolotra (Joseph Ravoahangy Andrianavalona Hospital);

Malawi: Cornelius Mukuzunga, Vanessa Msosa, Chimwemwe Kwatiwani (Kamuzu Central Hospital);

Malaysia: Ioannis Kaklamanos, Fengyih Chai, Sitimohddesa Asilah, Khuzaimahzahid Syibrah (Hospital Keningau); Puixin Chin, Afizah Salleh, Nurzulaika Riswan (Kajang Hospital); Aprilcamilla Roslani, Chong Hoongyin, Nora Abdulaziz, Keat-Seong Poh, Chai Chuann, Sandip Kumar (University Malaya Medical Centre); Mustafamohammed Taher, Nikritza Kosai, Dayanganita Abdulaziz, Reynu Rajan (Universiti Kebangsaan Malaysia Medical Centre); Rokayah Julaihi, Durveshlachthman Jethwani, Muhammadtaqiyuddin Yahaya, Nikazim Nikabdullah, Susanwndy Mathew, Kuetjun Chung, Milaksh Kumar Nirumal, Reubenerntze Goh, Rokayah Julaihi, Syedabdulwahhabeusoffee Wanali (Sarawak General Hospital); Yiingyee Gan, Jesseronswire Ting (Hospital Sibui); Samuelsiawiyik Sii, Keanleong Koay, Yikoon Tan, Alvineezhiun Cheah, Chuiyee Wong, Tuannur'azmah Tuanmat, Crystaljernnee Chow, Priscaaili Har, Yishan Der (Hospital Sultanah Aminah); Yongyong Tew, Fitjerald Henry, Xinwei Low (Selayang Hospital); Yatheng Neo, Hianee Heng, Shuning Kong, Cheewei Gan, Yiting Mok, Yeewen Tan, Kandasami Palayan, Mahadevan Devatata, Yihjeng Cheong (Hospital Tuanku Ja'afar); Kuhaendran Gunaseelan, Wan Nurul 'Ain Wan Mohd Nasir, Pigeneswaran Yoganathan, (Hospital Keningau); Euxian Lee, Jianer Saw, Lijing Yeang, Peiying Koh, Shyangyee Lim, Shuangyi Teo (Hospital Pulau Pinang / Penang Medical College);

Malta: Nicole Grech, Daniela Magri, Kristina Cassar, Christine Mizzi, Malcolm Falzon, Nihaal Shaikh, Ruth Scicluna, Stefan Zammit, Elaine Borg, Sean Mizzi, Svetlanadoris Brincat, Thelma Tembo, Hienh Levu, Tara Grima, Keith Sammut, Kurt Carabott, Alexia Farrugia, Ciskje Zarb, Andre' Navarro, Thea Dimech, Georgettemarie Camilleri, Isaac Bertuello, Jeffrey Dalli, Karl Bonavia (Mater Dei Hospital);

Mexico: Samantha Corrodiagonzalez, Joseantonio Gonzalezmorfin, Antonio Ramosdelamedina (Hospital

Español De Veracruz);

Morocco: Amina Abdelhamid, Abdelmalek Hrora, Sarah Benammi, Houda Bachri, Meryem Abbouch, Khaoula Boukhal, Redouanemammar Bennai, Abdelkader Belkouchi, Mohamed Sobhi Jabal, Chaymae Benyaiche (IBN Sina Hospital)

Netherlands: Maarten Vermaas, Lucia Duinhouwer, (Ijsselland Hospital)

Nicaragua: Javier Pastora, Greta Wood, Mariasol Merlo (Hospital Escuela Oscar Danilo Rosales Arguello);

Nigeria: Akinlabi Ajao, Omobolaji Ayandipo, Taiwo Lawal, Abdussemmi Abdurrazzaq, (University College Hospital, Ibadan); Olufemi Habeeb, Muslimat Alada, Abdurashed Nasir, James Adeniran, Olufemi Habeeb, Ademola Popoola, Ademola Adeyeye (University Of Ilorin Teaching Hospital, Ilorin); Ademola Adebajo, Opeoluwa Adesanya, Adewale Adeniyi (Federal Medical Centre, Abeokuta,); Henry Mendel, Bashir Bello, Umar Muktar (Usmanu Danfodiyo University Teaching Hospital); Adedapo Osinowo, Seyi Olajide, Oyindamola Oshati, George Iheduwa, Babajide Adenekan, Victor Nwinee, Felix Alakaloko, Adesoji Ademuyiwa, Olumide Elebute, Abdurrazzaq Lawal, Chris Bode, Mojolaoluwa Olugbemi (Lagos University Teaching Hospital); Alaba Adesina, Olubukola Faturoti, Oluwatomi Odutola, Oluwaseyi Adebola, Clement Onuoha, Ogechukwu Taiwo (Babcock University Teaching Hospital); Omolara Williams, Fatai Balogun, Olalekan Ajai, Mobolaji Oludara, Iloba Njokanma, Roland Osuoji (Lagos State University Teaching Hospital); Stephen Kache, Jonathan Ajah, Jerry Makama (Barau Dikko Teaching Hospital, Kaduna State University, Kaduna); Ahmed Adamu, Suleiman Baba, Mohammad Aliyu, Shamsudeen Aliyu, Yahaya Ukwenya, Halima Aliyu, Tunde Sholadoye, Muhammad Daniyan, Oluseyi Ogunsua (Ahmadu Bello University Teaching Hospital Zaria); Lofty-John Anyanwu, Abdurrahman Sheshe, Aminu Mohammad (Aminu Kano Teaching Hospital); Samson Dr Olori, Philip Mshelbwala, Babatunde Odeyemi, Garba Samson, Oyediran Kehinde Timothy, Sani Ali Samuel (University Of Abuja Teaching Hospital,); Anthony Ajiboye, Ademola Adeyeye, Isaac Amole, Olajide Abiola, Akin Olaolorun (Bowen University Teaching Hospital);

Norway: Kjetil Søreide, Torhild Veen, Kenneth Thorsen (Stavanger University Hospital); Elisabeth Jensen, Mads Gran, Eirikkjus Aahlin (University Hospital Of Northern Norway); Gaarder Tina, Peterwiel Monrad-Hansen, Pålaksel Næss (Oslo University Hospital); Giedrius Lauzikas, Joachim Wiborg, Silje Holte (Sykehuset Telemark HF); Knutmagne Augestad, Gurpreetsingh Banipal, Gurpreetsingh Banipal, Michelamariaangela Monteleone, Thomastetens Moe, Johanneskurt Schultz (Akershus University Hospital);

Palestine: Taher Al-taher, Ayah Hamdan, Ayman Salman, Rana Saadeh, Aseel Musleh, Dana Jaradat, Soha Abushamleh, Sakhaa Hanoun, Amjad Abu Qumbos (Al Makassed Islamic Charitable Society Hospital, Jerusalem); Israa Qawasmi, Khalid Qurie, Marwa Altarayra, Mohammad Ghannam, Alaa Shaheen, Azher Herebat (Alia Governmental Hospital); Aram Abdelhaq, Ahmad Shalabi, Maram Abu-toyour, Fatema Asi, Ala Shamasneh, Anwar Atiyeh, Mousa Mustafa, Rula Zaa'treh, Majd Daboor (Palestine medical Complex); Enas Alaloul, Heba Baraka, Jihad Meqbil, Alaa Al-buhaisi, Mohamedraed Elshami, Samah Afana, Sahar Jaber, Said Alyacoubi, Yousef Abuowda (Islamic University of Gaza Medical School (European Gaza Hospital & Shifa Hospital); Tasneem Idress, Eman Abuqwaider (Mizan hospital); Sara Al-saqqa, Alaa Bowabsak, Alaa Eljamassi, Duaa Hassanin, Hadeel Al-farram, Maram Salah, Aya Firwana, Marwa Hamdan, Isra Amawad (Al-Shifa Hospital); Ahmad Ashour, (Bit Hanoun Hospital); Ahmed Al-khatib, Mahas Al-faqawi, Mohamed Fares (Nasser Hospital); Amjad Elmashala, Mohammad Adawi, Ihdaa Adawi (Beit Jala Governmental Hospital); Reem Khreishi, Rose Khreishi (Martyr Thabet Governmental hospital, Tulkarem); Ahmad ashour, Ahed ghaben (Indonesian Hospital, Gaza)

Pakistan: Najwa Nadeem (Punjab Medical College); Jibrán Abbasy, Abdul Rehman Alvi, Tanzeela Gala (Aga Khan University); Kamranfaisal Bhopal, Zainab Iftikhar, Muhammadtalha Butt (Bahawal Victoria Hospital); Tanzeela Gala (The Aga Khan University Hospital); Syedasaat Ulrazi, Asdaq Ahmed, Ali Khanniazi (Bahawal Victoria Hospital); Ibrahim Raza, Fatima Baluch, Ahmed Raza, Ahmad Bani-Sadar, Ahmad Uzair Qureshi, Muhammad Adil, Ahmaduzair Qureshi, Awais Raza, (Mayo Hospital, Lahore); Mahnoor Javaid, Muhammad Waqar, Maryamali Khan (CMH Lahore Medical And Dental College); Mohammadmohsin Arshad, Mohammadasim

Amjad (Nishtar Medical College And Hospital);

Paraguay: Gustavomiguel Machainvega, Jorge Torrescardozo, Hernán Vián, Marcelo O'Higginsroche, Gustavorodolfo Pertersenservin, Helmutalfredo Segovialohse, Larissa Paezlopez, Ramón Melo (Hospital De Clinicas, Universidad Nacional De Asuncion)

Peru: Fernando Espinoza, Angel David Pérez Rojas, Diana Sanchez, Camila Sanchez Samaniego, Shalon Guevara Torres, , Alexander Canta Calua, Cesar Razuri, Nadia Ortiz, Xianelle Rodriguez, Nahilia Carrasco, Fridiz Saravia, , Hector Shibaomiyasato, María Valcarcel-Saldaña, , Ysabel Alejos, Juan Carpio, Walter Ruizpanez, Pedroangel Toriboorbegozo, (Hospital Arzobispo Loayza); Carolina Guzmán Dueñas, Kevin Turpo Espinoza (Clínica De Especialidades Médicas); Jorge Chungi, Sebastian Shu, Lorena Fuentes-Rivera, Carmen Fernández, Diego Romani, Bárbara, Joselyn Ye (Hospital Cayetano Heredia); Ricardo Velasquez, Jannin Salcedo (Clínica De Especialidades Médicas); Analucia Contrerasvergara, Angelicagenoveva Vergaramejia, Mariasoledad Gonzalesmortejo (Universidad Peruana Cayetano Heredia); Brissete Huachua, Mariliadelcarmen Escalantesalas, Willy Alccaticona, Marvin Vargas, Georgechristian Manriquesila, Armando José Román Velásquez, Alina Fabiola Robledo Rabanal, Ludwing Zeta, Robinson Mas (Hospital Regional De Ayacucho); Kenny Turpoespinoza (Clinica De Especialidades Médicas); Joseluis Hamasakihamaguchi, Ericksamuel Florezfarfan, Lindaalvi Madridbarrientos (Hospital De Policia);

Philippines: Johnjemuel Mora, Archeemenold Redota, Manuelfrancisco Roxas (The Medical City); Mariedione Parreno-Sacdalan, Mariecarmela Lapitan, Christelleanne Almanon (Department Of Surgery Philippine General Hospital University Of The Philippines Manila);

Poland: Maciej Walędziak, Rafał Roszkowski, Michał Janik (Department Of General, Oncological, Metabolic And Thoracic Surgery, Military Institute Of Medicine, Warsaw); Anna Lasek, Piotr Major, Dorota Radkowiak, Mateusz Rubinkiewicz (2nd Department Of Surgery, Jagiellonian University Medical College);

Portugal: Cristina Fernandes, Jose Costa-Maia, Renato Melo (Centro Hospitalar De São João);

Romania: Liviu Muntean, Aurel Sandu Mironescu, Lucian Corneliu Vida (Spitalul Clinic De Copii Brasov); Amar Kourdouli, Popa Mariuca, Mariuca Popa (Spital Judetean De Urgenta Din Craiova); Hogeia Mircea (Spitalul Clinic Judetean Brasov); Mihaela Vartic, Bogdan Diaconescu, Mateirazvan Bratu, Ionut Negoii (Emergency Clinical Hospital);

Rwanda: J.C Alleningabire, Mutabazi Alphonse, Norbert Uzabumwana (University Teaching Hospital Of Kigali); Dieudonne Duhoranenayo (Kibungo Hospital);

San Marino: Elio Jovine, Nicola Zanini, Giovanni Landolfo (San Marino State Hospital);

Saudi Arabia: Murad Aljiffry, Faisal Idrees, Mohammed Alhamed, Ashraf Maghrabi, Abdulmalik Altaf, Eyad Khalifah, Ahmad Gudal, Adel Albiety, Aroub Alkaaki, Reham Alshareef, Ahmad Khoja, Abrar Nawawi, Mohammed Najjar, Sondos Turkustani, Sarah Sahel (King Abdulaziz Hospital - Jeddah) Ahmed Alzahrani, Ahmed Alghamdi, Wedyan Alhazmi, Ghiath Alsaied (King Fahd Hospital, Jeddah); Mazen Hassanain, Basmah Alhassan, Abdullah Altamimi, Reem Alyahya, Norah Alsubaie, Fatema Albastawis, Afnan Altamimi, Thamer Nouh, Roaa Khan, (King Khaled University Hospital);

Serbia: Milan Radojkovic, Ljiljana Jeremic, Milica Nestorovic (Clinic For General Surgery, Clinical Center Nis);

Singapore: Jiahao Law, Keithsaykwang Tan, Ryanchoonkiat Tan, Joel Kin, Joelwenliang Lau, Bettina Lieske, Xuewei Chan, Faithqihui Leong, Chooseng Chong, Sharon Koh, Kaiyin Lee (National University Hospital)

South Africa: Kent Pluke, Britta Dedekind, Puyearashid Nashidengo, Mark Ian Hampton (Victoria Hospital Wynberg); Johanna Joosten, Sanju Sobnach, Liana Roodt, Anthony Sander, James Pape, Richard Spence (Groote Schuur); Niveshni Maistry (Charlotte Maxeke Johannesburg Academic Hospital); Phumudzo Ndwambi, Phumudzo Ndwambi, Kamau Kinandu, (Leratong Hospital); Frederick Dutoit, Quinn Ellison, Sule Burger (Tembisa Tertiary Provincial Hospital); Rachel Moore, Vicky Jennings, Astrid Leusink (Chris Hani Baragwanath Academic Hospital); Nazmie Kariem, Juan Gouws, Kathryn Chu, Heather Bougard, Fazlin Noor, Angela Dell (New Somerset Hospital);

Sarah Rayne, Stephanie Vanstraten, (Helen Joseph Hospital, University Of Witwatersrand); Arvin Khamajeet, Roel Matos-Puig, Serge Kapenda Tshisola (Stanger Hospital); Victor Kong (Edendale Hospital); Yoshan Moodley, Frank Anderson, Thandinkosi Madiba (Inkosi Albert Luthuli Central Hospital); Flip Duplooy (Mediclinic Potchefstroom); Leila Hartford, Gareth Chilton, Parveen Karjiker (Mitchell's Plain District Hospital); Matlouernest Mabitsele, Sibongileruth Ndlovu (Dr George Mukhari Academic Hospital); Maria Badicel, Robert Jaich (Milpark Hospital)

Spain: Jaime Ruiz-Tovar (University Hospital Rey Juan Carlos); Luis Garcia-Florez, Jorgeluis Oterodiez, Virginia Ramospérez, Nuria Aguadosuárez (Hospital San Agustín); Javier Minguezgarcía, Sara Corral Moreno, Maria Vicenta Collado, Virginia Jimenezcarneros, Javier Garcíaseptiem (Hospital Universitario Ramon Y Cajal); Mariana Gonzalez, Antonio Picardo, Enrique Esteban, Esther Ferrero, Irene Ortega, (Infanta Sofia University Hospital); Eloy Espin-Basany, Ruth Blanco-Colino, Valeria Andriola (Hospital Valle De Hebron); Lorena Solargarcía, Elisa Contreras, Carmen Garciabernardo, Janet Pagnozzi, Sandra Sanz, Alberto Miyardeleón, Asnel Dorismé, Joseluis Rodicio, Aida Suarez, Jessica Stuva, Tamara Diazvico (Central University Hospital Of Asturias); Laura Fernandez-Vega, Carla Soldevila-Verdeguer, Fatima Sena-Ruiz, Natalia Pujol-Cano, Paula Diaz-Jover, Josemaria Garcia-Perez, Juanjose Segura-Sampedro, Cristina Pineño-Flores, David Ambrona-Zafra, Andrea Craus-Miguel, Patricia Jimenez-Morillas, Angela Mazzella (Hospital Universitario Son Espases);

Sri Lanka: Anuradha Jayathilake, Sujeewa Thalaspitiya (Teaching Hospital Anuradhapura);

St. Kitts And Nevis: Abdulhakeem Sanni, Aliyu Ndajiwo, Oghenechuko Okenabirhie (Joseph N France Hospital)

Sudan: Anmar Homeida, Abobaker Younis, Omer Ahmed (University Of Gezira);

Sweden: Yucel Cengiz, Ida Björklund, Sandra Ahlqvist, Sandra Ahlqvist, (Sundsvall Hospital); Anders Thorell, Fredrik Wogensen (Ersta Hospital); Arestis Sokratous, Michaela Breistrand (Mora Hospital); Hildur Thorarinsdottir (Helsingborgs Lasarett); Johanna Sigurdadottir, Maziar Nikberg, Abbas Chabok (Västmanlands Hospital Västerås); Maria Hjertberg (Department Of Surgery And Department Of Clinical And Experimental Medicine, Linköping University, Norrköping, Sweden); Peter Elbe, Deborah Saraste, Wiktor Rutkowski, Louise Forlin (Karolinska Universitetssjukhuset, Solna); Karoliina Niska, Malin Sund (Umea University Hospital)

Switzerland: Dennis Oswald, Georgios Peros, Rafael Bluelle, Katharina Reinisch, Daniel Frey, Adrian Palma (Gzo Spital Wetzikon); Dimitriaristotle Raptis, Lucius Zumbühl, Markus Zuber (Kantonapital Olten); Roger Schmid, Gabriela Werder (Buergerspital Solothurn); Antonio Nocito, Alexandra Gerosa, Silke Mahanty (Kantonsspital Baden); Lukas Widmer, Julia Mueller, Alissa Guebeli (Spital Davos); Grzegorz Zuk (Gzo Spital Wetzikon);

Turkey: Osman Bilgin Gulcicek, Yuksel Altinel, Talar Vartanoglu, (Bagcilar Research And Training Hospital); Emin Kose, Servet Rustu Karahan, Yunus Yapalak (Okmeydanı Training And Research Hospital); Nurialper Sahbaz, Ilkay Halicioglu, Halil Alis (Bakirkoy Dr. Sadi Konuk Training And Research Hospital); Ipek Sapci, Can Adiyaman, Ahmetmurat Pektaş, Turgutbora Cengiz, Ilkan Tansoker, Vedatcan İşler, Muazzez Cevik, Deniz Mutlu, Volkan Ozben (Acibadem University); Kagan Karabulut, Vahit Mutlu, Baharbusra Ozkan (Ondokuz Mayıs University Medical Faculty); Saban Celik, Anil Semiz, Selim Bodur, Enisburak Gül, Busra Murutoglu, Reyryan Yildirim, Bahadiremre Baki, Ekin Arslan (Karadeniz Technical University Faculty Of Medicine);

United Kingdom: Nathan Walker, Nikhita Shrimanker, Michael Stoddart, Simon Cole (Royal United Hospital Bath); , Ryan Breslin, Ravi Srinivasan, , (Blackpool Victoria Hospital); Mohamed Elshaer, Kristina Hunter, Ahmed Al-Bahrani, Selina Chiu (Watford General Hospital); Ignatius Liew, Nora Mairs, Alistair Rocke, Lachlan Dick, Mobeen Qureshi (Inverclyde Royal Hospital); Debkumar Chowdhury (University Hospital Ayr); Naomi Wright, Clare Skerritt, (Guy's And St. Thomas' Hospitals); Gloria Nneoma Onwuneme (Royal Derby Hospital); ,Adrienn Ho, Tharindra Dissanayake (Pilgrim Hospital, United Lincolnshire Hospitals NHS Trust); Shujing Jane Lim, Charlene Tan, Stephen O'Neill, Catrin Jones (Victoria Hospital Kirkcaldy); ; Stephen Knight, Dima Nassif, (Perth Royal Infirmary); Oliver Warren, Rebecca White, Aia Mehdi (Chelsea And Westminster Hospital); ,Ioannis Mykoniatis, Chelise Currow, Jonathan Haqq, Blake Sykes (Northampton General Hospital); Francisca Wong, Ashish Gupta, Veeranna Shatkar (Queen's Hospital, BHR University Hospitals NHS Trust); Joshua Luck, Suraj Kadiwar, Alexander Smedley

(North Middlesex University Hospital); Rebecca Wakefield, Philip Herrod, James Blackwell (Royal Derby Hospital); Fraser Cohen, Ashwath Bandi, Stefano Giuliani (St George's Hospital); (Royal United Hospital, Bath); Giles Bond-Smith, Theodore Pezas, Neda Farhangmehr, Tomas Urbonas, Miklos Perenyi (John Radcliffe Hospital, Oxford); Philip Ireland, Natalie Blencowe, Kirk Bowling, David Bunting (Gloucestershire Royal Hospital); Lydia Longstaff, Neil Smart, Kenneth Keogh (Royal Devon & Exeter Hospital); Hyunjin Jeon, Muhammadrafaih Iqbal, Shivun Khosla, (Maidstone & Tunbridge Wells Nhs Trust); Ella Teasdale (Western Isles Hospital); Ahmad Ibrahim, Tariq Alhammali, Yahya Salama (Kettering General Hospital NHS Trust); Rakan Kabariti, Shaun Oram (University Hospitals Of Llandough); Thomas Kidd, Fraser Cullen, Chris Owen, Michael Wilson, Seehui Chiu, Hannah Sarafilovic, (Ninewells Hospital); Stuart Fergusson, Jennifer Ploski, Elizabeth Evans, Athar Abbas, Sylvia Kamyra, Norzawani Ishak, Carly Bisset, Cedar Andress, Ye Ru Chin (Royal Alexandra Hospital, Paisley); Priya Patel, David Evans (University Hospital, Wales); Anna Jeffery, James Perera (Maistone and Tunbridge Wells NHS Trust); Aidan Haslegrave, Adam Boggon, Kirsten Laurie, Katie Connor, Thomas Mann (Borders General Hospital); Dmitri Nepogodiev, Anahita Mansuri, Rachel Davies, Ewen Griffiths (University Hospitals Birmingham NHS Trust); Aizedraza Shahbaz, Calvin Eng, Farhat Din, Ariadne L'heveder, Hagyeong (Esther Park, Ramanish Ravishankar, Aizedraza Shahbaz, Kirsten Mcintosh, Jihdar Yau, Luke Chan, Susan MCGarvie (Western General Hospital, Edinburgh); Lingshan Tang, Hui Lim, Suhhuey Yap, Jay Park, Zhanherr Ng, Shahrukh Mirza, Yunlin Ang, Ella Teasdale, Chloe Roy, Simon Paterson-Brown, Julian Camilleri-Brennan, Kenneth Mclean, Michelle D'souza, Savva Pronin, David Henshall, Eunicezuling Ter, (Royal Infirmary Of Edinburgh); Dina Fouad, Ashish Minocha (Norfolk And Norwich University Hospital); Sayed Eldesouky); William English, Catrin Morgan, Dominic Townsend, William English, Laura Maciejec, Shareef Mahdi, Onyinye Akpenyi, Elisabeth Hall, Hanaan Caydiid, Zakaria Rob, Tom Abbott (Barts And The London School Of Medicine); Gareth Irwin, Robin Johnston (Ulster Hospital Dundonald); Mohammedakil Gani, Gianpiero Gravante (Leicester Royal Infirmary); Shivanchan Rajmohan, Kiran Majid, Shivanchan Rajmohan, Christopher Smith (Imperial College London); Madanmohan Palliyil, Sanjay Patel, Luke Nicholson, Neil Harvey, Katie Baillie, Sam Shillito, Suzanne Kershaw, Rebecca Bamford, Peter Orton (Stockport NHS Foundation Trust); Elke Reunis, Robert Tyler, Waicheong Soon (Good Hope Hospital); Guled Jama, Dharminder Dhillon, Khyati Patel (Walsall Manor Hospital, Walsall); Shayanthan Nanthakumaran, Rachel Heard, Karyan Chen (Aberdeen Royal Infirmary); Behrad Barmayehvar, Uttaran Datta, Sivesh Kathirkamarajah (Heartlands Hospital); Sobhana Iftekhartani (Nottingham University Hospital NHS Trust); Eimear Monaghan, Philippa Donnelly, Michael Walker (Raigmore Hospital); Jehangirshaw Parakh (Whiston Hospital); Arjun Paramasivan (Darlington Memorial Hospital); Sameh Farag, Ashrafun Nessa, Salwa Awadallah (Worthing Hospital, Western Sussex Hospital NHS Foundation Trust); Jieqi Lim, James Cheankhung (Queen Elizabeth University Hospital, Glasgow);

United States: Katherine Gash, Rp Kiran, Alice Murray (New York Presbyterian Hospital / Columbia University Medical Center); Eric Etchill, Mohini Dasari, Juan Puyana (University Of Pittsburgh Medical Center - Presbyterian); Nadeem Haddad, Martin Zielinski, Asad Choudhry (Mayo Clinic); Celeste Caliman, Mieshia Beamon, Therese Duane (John Peter Smith Hospital); Ragavan Narayanan, Mamta Swaroop (Northwestern Memorial Hospital / Northwestern University); Jonathan Myers, Rebecca Deal, Erik Schadde (Rush University Medical Centre); Mark Hemmila, Lena Napolitano, Kathleen To (University Of Michigan Medical Center)

Zambia: Alex Makupe, Joseph Musowoya, Mayaba Maimbo (Ndola Central Hospital); Niels Van Der Naald, Dayson Kumwenda, Alex Reece-Smith, Kars Otten, Anna Verbeek, Marloes Prins (St Francis Mission Hospital)

Data Validators:

Argentina: Alibeth Andres Baquero Suarez (Simplemente Evita), Ruben Balmaceda (Luis C. Lagomaggiore);

Barbados: Chelsea Deane (Queen Elizabeth Hospital);

Croatia: Emilio Dijan (Zadar General Hospital);

Egypt: Mahmoud Elfiky (Cairo University Hospitals);

Finland: Laura Koskenvuo (Helsinki University Hospital);

France: Aurore Thollot (Centre Hospitalier Universitaire De Poitiers), Bernard Limoges (Centre Hospitalier Universitaire De Limoges), Carmen Capito (Hopital Necker Enfants Malades), Challine Alexandre (Hopital Cochin), Henri Kotobi (Paris Trousseau), Julien Leroux (Hopitaux De Rouen), Julien Rod (Centre Hospitalier Universitaire De Caen), Kalitha Pinnagoda (Centre Hospitalier Universitaire De Toulouse), Nicolas Henric (Angers University), Olivier Azzis (Centre Hospitalier Universitaire De Rennes), Olivier Rosello (Centre Hospitalier Universitaire De Nice), Poddevin Francois (Ghicl, Hospital Saint Vincent De Paul), Sara Etienne (Centre Hospitalier Universitaire De Saint Etienne); Philippe Buisson (Centre Hospitalier Universitaire Amiens Picardie), Sophian Hmila (Centre Hospitalier Robert Ballanger Chrb);

Hmila (Centre Hospitalier Robert Ballanger CHRB);

Ghana: Joe-Nat Clegg-Lamptey (Korle Bu Teaching Hospital), Osman Imoro (Baptist Medical Centre), Owusu Emmanuel Abem (Komfo Anokye Teaching Hospital), Paul Wondoh (Upper West Regional Hospital);

Greece: Dimitrios Papageorgiou (Naval And Veterans Hospital Of Athens), Vasiliki Soulou (Anticancer Hospital Of Athens Agios Savvas);

Guatemala: Sabrina Asturias (Hospital Herrera Llerandi Amedesgua), : Lenin Peña (Hospital General San Juan De Dios);

India: Basant Kumar (Sanjay Gandhi Post Graduate Institute Of Medical College Lucknow);

Ireland: Donal O Connor (Tallaghtamnch Hospital);

Italy: Alberto Realis Luc (Santa Rita Clinic, Vercelli), Alfio Alessandro Russo (Treviglio Hospital), Andrea Ruzzenente (Azienda Ospedaliera Universitaria Integrata di Verona), Antonio Taddei (Azienda Ospedaliera Universitaria Careggi), Camilla Cona (IOV - Istituto Oncologico Veneto), Corrado Bottini (Sant'Antonio Abate Hospital, Gallarate), Giovanni Pascale (Ospedale Sant Anna Di Ferrara), Giuseppe Rotunno (Nicola Giannettasio Hospital, Rossano), Leonardo Solaini (University Of Brescia, Spedali Civili Di Brescia), Marco Maria Pascale (Fondazione Policlinico Universitario 'Agostino Gemelli'), Margherita Notarnicola (University Of Bari 'Aldo Moro'), Mario Corbellino (Ospedale Luigi Sacco Milano), Michele Sacco (Federico II University of Naples), Paolo Ubiali (Azienda per L'Assistenza Sanitaria N. 5 'Friuli Occidentale', Pordenone), Roberto Cautiero (Second University Of Naples), Tommaso Bocchetti, (Sant'Andrea Hospital, Sapienza University of Rome), Elena Muzio, (S. Andrea Hospital, Poll-Asl 5, La Spezi); Vania Guglielmo (Policlinico Umberto I, Emergency Surgery Department); Eugenio Morandi (Ospedale di Rho – ASST Rhodense), Patrizio Mao (San Luigi Gonzaga Hospital, Orbassano);

Jordan: Farah Mahmoud Ali (Jordan University Hospital);

Lithuania: Justas Žilinskas (Klaipeda Republic), Kestutis Strupas (Vilnius University Hospital Santariskiu Klinikos), Paulius Kondrotas (Taurage County Hospital), Robertas Baltrunas (Rokiskis District Municipality Hospital); Juozas Kutkevicius (Department Of General Surgery, Lithuanian University Of Health Sciences), Povilas Ignatavicius (Hospital Of Lithuanian University Of Health Sciences Kaunas Clinics);

Malaysia: Choy Ling Tan (Hospital Sultanah Aminah), Jia Yng Siaw (Hospital Sibui), Sir Young Yam (Penang Medical College); Ling Wilson (Sarawak General Hospital), Mohamed Rezal Abdul Aziz (University Malaya Medical Centre);

Malta: John Bondin (Mater Dei Hospital);

Mexico: Diaz Zorrilla Carmina (Hospital Espanol De Veracruz);

Morocco: Anass Majbar (Centre Hospitalier Ibn Sina Rabat);

Nigeria: Danjuma Sale (Barau Dikko Teaching Hospital), Lawal Abdullahi (Kano Aminu), Olabisi Osagie (University Of Abuja Teaching Hospital), Omolara Faboya (Lagos Lasuth); Adedeji Fatuga (Lagos Luth), Agboola Taiwo (Babcock University Hospital), Emeka Nwabuoku (Ahmadu Bello University Teaching Hospital);

Norway: Marte Bliksøen (Oslo University Hospital);

Pakistan: Zain Ali Khan (Bahawal Victoria Hospital, Bahawalpur);
Paraguay: Agustin Rodriguez Gonzalez (Hospital De Clinicas, Universidad Nacional De Asuncion), Jazmin Coronel (Hospital De Clinicas, Universidad Nacional De Asuncion);
Peru: Cesar Miranda (Hospital Nacional Cayetano Heredia), Idelso Vasquez (Lima Almenara), Luis Miguel (Hospital Regional Iii Jose Cayetano Heredia – Piura);
Rwanda: Jennifer Rickard (Centre Hospitalier Universitaire De Kigali);
Romania: Aurel Mironescu (Spitalul Clinic De Copii Brasov);
Saint Kitts and Nevis: Adesina Adedeji (Joseph N France Hospital);
Saudi Arabia: Saleh Alqahtani (King Fahad General Hospital);
South Africa: Max Rath (Groote Schuur Hospital), Michael Van Niekerk (New Somerset Hospital), Modise Zacharia Koto (Dr George Mukhari Academic Hospital); Roel Matos-Puig (Stanger Hospital);
Sweden: Leif Israelsson (Sundsvall);
Switzerland: Tobias Schuetz (Kantonsspital Olten);
Turkey: Mahmut Arif Yuksek (Ondokuz Mayıs University), Meric Mericliiler (Acibadem), Mehmet Uluşahin (Karadeniz Technical University Farabi Hospital);
United Kingdom: Bernhard Wolf (Raigmore Hospital Inverness), Cameron Fairfield (Royal Infirmary Of Edinburgh), Guo Liang Yong (Perth Royal Infirmary), Katharine Whitehurst (Royal Devon And Exeter), Michael Wilson (Ninewells Hospital And Medical School), Natalie Redgrave (Churchill Hospital, Oxford); Caroluca K Musyoka (Royal Alexandra Hospital), James Olivier (Royal United Hospital Bath), Kathryn Lee (Queen Elizabeth Birmingham), Michael Cox (Royal Derby Hospital), Muhamed M H Farhan-Alanie (Inverclyde Royal Hospital), Rory Callan (North Middlesex University Hospital)
Zambia: Chali Chibuye (Ndola Central Hospital)

Protocol Translators

Arabic, Tebian Hassanein Ahmed Ali, Syrine Rekhis, Muna Rommaneh, Oday Halhouli; **Chinese,** Zi Hao Sam; **French,** Ismail Lawani, **Greek,** Vasileios Kalles; **Italian,** Francesco Pata, Gabriela Elisa Nita, Federico Coccolini, Luca Ansaloni; **Portuguese,** Thays Brunelli Pugliesi, Gabriel Pardo; **Spanish,** Ruth Blanco

Requested Acknowledgements

Italian Society of Colorectal Surgery (SICCR) Assisting with study promotion and dissemination