**Supplemental Table 2.** Characteristics of the participants. Participants are listed according to their role in the consensus.

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| EXECUTIVE COMMITTEE |
| Horacio J Asbun  Chief of Hepatobiliary and Pancreas Surgery at Miami Cancer Institute  Professor of Surgery at Mayo Clinic College of Medicine and Science  President of the Society of American Gastrointestinal and Endoscopic Surgeons |
| Mohammad Abu Hilal  Chairman of the Department of Surgery,  Head of HepatobiliaryPancreatic and Minimally Invasive Surgery, Poliambulanza Foundation Hospital, Brescia, Italy.  Professor of HPB and Minimally Invasive Surgery, Southampton University, Southampton, UK. |
| Nader Francis  Consultant Surgeon at Yeovil, England  Honorary Professor at UCL at Division of Surgery and Interventional Science, University College London, London.  Director of Training at Griffin Institute at Northwick Park Institute for Medical Research, Norwich Park London.  Chair of Enhanced-Recovery After Surgery - UK (ERAS-UK) |
| EXECUTIVE COMMITTEE - RESEARCHERS |
| Filipe Kunzler  Nahmad Research Fellow  Hepatobiliary and Pancreas Surgery at Miami Cancer Institute |
| Domenech Asbun  Chief Resident in General Surgery  Department of Surgery, University of California San Francisco Fresno, Fresno, CA, USA. |
| DOMAIN CHAIRS AND STEERING COMMITTEE |
| Jaap Bonjer  Professor of Surgery and Chair of the Department of Surgery at the Amsterdam UMC, Amsterdam  Associate Editor of Surgical Endoscopy and Past-President of the European Association of Endoscopic Surgery  President of the Dutch Society of Surgery |
| Nicolas Demartines  Professor of Surgery, and Chairman of the Department for Visceral Surgery at the University Hospital CHUV in Lausanne Switzerland |
| Liane S Feldman  Professor of Surgery and Chief of the Division of General Surgery  Steinberg-Bernstein Chair in Minimally Invasive Surgery and Innovation at the McGill University Health Centre  President-elect of the Society of American Gastrointestinal and Endoscopic Surgeons |
| Salvador Morales-Conde  Chief of the Unit of Innovation in Minimally Invasive Surgery. Department of Surgery. University Hospital Virgen del Rocío. Sevilla (Spain).  Head of the Department of General and Digestive Surgery of the Hospital Quirónsalud Sagrado Corazón. Sevilla (Spain).  Associate Professor of Surgery. University of Sevilla (Spain).  President Elect of the Spanish Association of Surgeons  President Elect of the European Association for Endoscopic Surgery  General Secretary of the European Hernia Society |
| Andrea Pietrabissa  Professor of Surgery | University of Pavia, Italy  President of the European Association for Endoscopic Surgery  Director of General Surgery | University of Pavia, Italy  Director of General Surgery | Fondazione IRCCS Policlinico San Matteo, Pavia, Italy |
| Aurora D Pryor  Professor of Surgery and Vice Chair for Clinical Affairs  Chief, Bariatric, Foregut, and Advanced Gastrointestinal Surgery Division  Director, Bariatric and Metabolic Weight Loss Center  Director, Minimally Invasive and Bariatric Surgery Fellowship  Past-President of the Society of American Gastrointestinal and Endoscopic Surgeons  President of the Society of American Gastrointestinal and Endoscopic Surgeons |
| Christopher M Schlachta  Professor in the Department of Surgery and the Department of Oncology at the Schulich School of Medicine and Dentistry  Chief of Surgery, University Hospital Site and Medical Director of CSTAR (Canadian Surgical Technologies & Advanced Robotics) at London Health Sciences Centre  Treasurer of the Society of American Gastrointestinal and Endoscopic Surgeons |
| Patricia Sylla  Associate Professor of Surgery, Icahn School of Medicine, Mount Sinai Hospital, Department of Surgery, Division of Colon and Rectal Surgery  Executive Committee Member of the Society of American Gastrointestinal and Endoscopic Surgeons |
| Eduardo M Targarona  Chief of Unit of Gastrointestinal and Hematologic Surgery, Department of Surgery | Hospital de Santpau, Barcelona, Spain.  Professor of Surgery | Medical School of the Autonomous University of Barcelona, Spain.  Director and Coordinator. Master UAB Surgical Endoscopic Techniques | Autonomous University of Barcelona, Spain.  Chairman of the National Board of Digestive and General Surgery Specialty | Ministry of Social Security and Health, Government of Spain  Past-President of the European Association for Endoscopic Surgery |
| DOMAIN CHAIRS |
| Kevin Conlon  Professor of Surgery, Academic Head of Discipline, Trinity College Dublin, Dublin, Ireland.  President of the European‐African Hepato-Pancreato-Biliary Association  Secretary General of the International Hepato-Pancreato-Biliary Association |
| STEERING COMMITTEE |
| Ho-Seong Han  President of the Korean Society of HBP Surgery  Past-President of the Korean Society of Endoscopic & Laparoscopic Surgery |
| Davide Lomanto  Secretary and Past-President of General of Endoscopic & Laparoscopic Surgeons of Asia  Associate Professor and Senior Consultant Surgeon, Department of Surgery  Director, Minimally Invasive Surgical Centre (MISC)  Director, Khoo Teck Puat Advanced Surgery Training Centre (ASTC)  Director, National University Health System, YLL School of Medicine, National University Singapore |
| Suthep Udomsawaengsup  President of the Endoscopic and Laparoscopic Surgeons of Asia (ELSA)  President Elect of the Asia Pacific Metabolic and Bariatric Surgery Society (APMBSS)  President of the Laparoscopic and Endoscopic Surgeons of Thailand (LEST)  Immediate Past President of the Thai Hernia Society (THS)  Member of the Executive Committee of the Royal College of Surgeons of Thailand (RCST)  Director of CHULA BMI, King Chulalongkorn Memorial Hospital, Bangkok, Thailand  Director of Chulalongkorn Minimally Invasive Surgery Center, Chulalongkorn University , Bangkok, Thailand  Associate Professor of Surgery, Department of Surgery, Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand |
| EXPERTS |
| Yolanda Agra  Ministry of Health, Spain · General Direction of Public Health-Patient Safety Unit |
| Marc G Besselink  Professor of Pancreatic and Hepatobiliary Surgery at Amsterdam UMC, Cancer Center Amsterdam, University of Amsterdam, The Netherlands  Chair of the Dutch Pancreatic Cancer Group's scientific committee |
| Mark Callery  Professor of Surgery, Harvard Medical School  President - Society for Surgery of the Alimentary Tract  Past-President - Americas Hepato-Pancreatop-Biliary Association |
| Sean P Cleary  Associate Professor of Surgery  Chair, Division of Hepatobiliary and Pancreatic Surgery  Vice Chair, Department of Surgery  Mayo Clinic, Rochester  Secretary of Americas Hepato-Pancreatico-Biliary Association  President-Elect of the Canadian Association of General Surgeons |
| Luis De La Cruz  Director of Education, Department of Anesthesia, Baptist Hospital of Miami, Miami, FL, USA.  Assistant Professor of Anesthesiology & Medicine, Herbert Wertheim College of Medicine, Florida International University, Miami, FL, USA. |
| Philippe Eckert  General Manager of the University Hospital CHUV, Lausanne, Switzerland |
| Chad Evans  Bachelor of Arts, Wake Forest University |
| Daniel B Jones  Professor of Surgery, Harvard Medical School  Vice Chair, Surgery, Technology and Innovation  Chief, Division of Bariatric and Minimally Invasive Surgery  Co-Director, Carl J. Shapiro Simulation and Skills Center  Past-President of the Society of American Gastrointestinal and Endoscopic Surgeons  Past-President of the Association for Surgical Education |
| Tong Joo Gan  Professor and Chairman  Department of Anesthesiology, Stony Brook University, New York, NY, USA.  President, Perioperative Quality Initiative (POQI)  Founding President, American Society for Enhanced Recovery (ASER) |
| Daniel Koch  Head of the Division Communicable Disease, Federal Office of Public Healths  Swiss Federal Department of Home Affairs (FDHA), Bern, Switzerland |
| Keith D Lillemoe  Chief of the Department of Surgery at Massachusetts General Hospital and the W. Gerald Austen Professor of Surgery at Harvard Medical School |
| Jeffrey Marks  Professor of Surgery Director, Surgical Endoscopy University Hospitals Cleveland Medical Center  Jeffrey L. Ponsky, M.D. Professor of Surgical Education Case Western Reserve University School of Medicine  Past-President of the Society of American Gastrointestinal and Endoscopic Surgeons |
| Brent Matthews  Professor and Chair, Department of Surgery at Carolinas Medical Center  Executive Committee of the Society of American Gastrointestinal and Endoscopic Surgeons  Board of Directors for the Fellowship Council  Surgeon-in-Chief, Atrium Health |
| John Mellinger  Board of Governors of the Society of American Gastrointestinal and Endoscopic Surgeons  Director of the American Board of Surgery  Director of the American Board of Family Medicine  J. Roland Folse Endowed Chair in Surgery,  Vice Chair of the Department of Surgery, and  Professor and Chair of General Surgery at Southern Illinois University (SIU) School of Medicine  Member of the Executive Committee of the Society of American Gastrointestinal and Endoscopic Surgeons |
| W. Scott Melvin  Vice Chairman for Clinical Surgery, Division Chief of General Surgery,  Director of Advanced Gastrointestinal Surgery, Montefiore Medical Center, New York, NY, USA.  Past-President of the Society of American Gastrointestinal and Endoscopic Surgeons |
| Eduardo Moreno-Paquentin  Medical Director - Líderes en Salud  Académico de Número - Academia Mexicana de Cirugía  Counselor at Consejo Mexicano de Cirugía General  Executive Director of Federación Mexicana de Colegios de Especialistas en Cirugía  Past-President of Asociación Mexicana de Cirugía General |
| Claudio Navarrete  Associate Professor of Surgery of University of Chile, Santiago, Chile.  Past-President of the Chilean Society of Gastroenterology and Endoscopy.  Chairman of Endoscopic unit Hosp San Borja Arriaran de Santiago, Chile.  Chairman of Surgery, Clinica Santa Maria, Santiago, Chile.  Honorary member of the American Gastrointestinal Endoscopy Society |
| Timothy M Pawlik  President of Americas Hepato-Pancreato-Biliary Association  Past-President of the Association for Academic Surgery  Chair of Surgery, Surgeon-in-Chief  The Ohio State University Wexner Medical Center |
| Patrick Pessaux  Chief of the Department of Digestive Surgery  Head of the Hepato-Biliary and Pancreatic Surgical Unit  Deputy medical director of the IHU Institute of image-guided surgery of Strasbourg  President of the Association Française de Chirurgie (AFC) (French Surgical Association) |
| Walter Ricciardi  Professor of Hygiene and Public Health, Università Cattolica del Sacro Cuore, Rome, Italy |
| Steven Schwaitzberg  Professor and Chairman of Surgery University of Buffalo Jacobs School of Medicine and Biomedical Sciences. Professor of Biomedical Informatics  Director of Surgical Programming, Great Lakes Health  President, University Surgeons Inc.  Director, UB RIS²E² (Center for Research Innovation Structure Simulation Education Engineering)  Past-President of the Society of American Gastrointestinal and Endoscopic Surgeons |
| Paresh Shah  Surgeon in Chief NYU Langone Health, New York, NY, USA.  Director Division of General Surgery  Professor and Vice Chair of Surgery NYU Grossman School of Medicine, New York, NY, USA.  Board of Governors Society of American Gastrointestinal and Endoscopic Surgeons |
| Joseph Szokol  Harris Family Foundation Chair  Chief Health Policy Officer at American Society of Anesthesiologists |
| Mark Talamini  Professor and Chairman of Surgery, Chief of Surgical services, Founding Director of Medical Innovation Institute, President of Stony Brook Surgical Associates, Co-Director of SOAR Collaborative Surgery Renaissance School of Medicine  Past-President of the Society of American Gastrointestinal and Endoscopic Surgeons |
| Ricardo Torres  President of Asociación Latinoamericana de Cirugía Endoscópica  Professor of Surgery, Northeast University Medical School, Corrientes, Argentina  Chair of the Department of Surgery, Hospital Escuela José de San Martín, Corrientes, Argentina  Director of CENCIL Laparoscopic Trainning Center, Northeast University Medical School, Correintes, Argentina  Past-President Argentine Association of Surgery  Past-President of the Latinamerica Association of Laparoscopic Surgery (ALACE) |
| Alessandro Triboldi  Chief Executive Officer/Operating Officer, Istituto Fondazione Poliambulanza, Brescia, Italy |
| Federica Valsecchi  President of Fondazione Nadia Valsecchi Onlus |
| Jean-Nicolas Vauthey  Professor of Surgery and Chief, Hepato-Pancreato-Biliary Section  Dallas/Fort Worth Living Legend Chair for Cancer Research  The University of Texas MD Anderson Cancer Center  President-elect of the Society for Surgery of the Alimentary Tract  Past-President of Americas Hepato-Pancreato-Biliary Association |
| Michael Wallace  Professor of Medicine Mayo Clinic Jacksonville, Florida, USA. |
| Steven D Wexner  Director, Digestive Disease Center; Chair, Department of Colorectal Surgery, Cleveland Clinic, FL USA.  Clinical Professor of Surgery Cleveland Clinic Lerner College of Medicine of Case Western Reserve University, FL, USA.  Clinical Affiliate Professor of Surgery Charles E. Schmidt College of Medicine, Florida Atlantic University, FL, USA.  Clinical Professor Herbert Wertheim College of Medicine, Florida International University, FL, USA.  Professor of Surgery Ohio State University Wexner College of Medicine, OH, USA.  Affiliate Professor Department of Surgery University of South Florida Morsani College of Medicine, FL, USA.  Honorary Professor Division of Surgery and Interventional Science, Department of Targeted Intervention, University College London, London, UK.  Past-President of the Society of American Gastrointestinal and Endoscopic Surgeons. |
| Michael Zinner  CEO and Executive Medical Director of Miami Cancer Institute at Baptist Health South Florida  Past-Chair of the Board of Regents of the American College of Surgeons |