

Supplementary Appendix

This appendix has been provided by the authors to give readers additional information about their work.

Supplement to: Marso SP, Daniels GH, Brown-Frandsen K, et al. Liraglutide and cardiovascular outcomes in type 2 diabetes. *N Engl J Med.* DOI: 10.1056/NEJMoa1603827

CONTENTS

LEADER Committee Members and Investigators.....	2
Inclusion and exclusion criteria.....	38
Clinical event definitions.....	39
Figure S1. Study design.....	51
Figure S2. Study subject disposition.....	52
Figure S3. Magnitude of treatment effects of liraglutide on the primary composite outcome.....	53
Figure S4. Time to first expanded composite cardiovascular outcome (cardiovascular death, nonfatal myocardial infarction, nonfatal stroke, coronary revascularization, or hospitalization for unstable angina pectoris or hospitalization for heart failure).....	55
Figure S5. Estimated mean values from randomization to end of trial for: (A) glycated hemoglobin, (B) body weight, (C) blood pressure, and (D) heart rate.....	56
Figure S6. Neoplasms.....	57
Figure S7. Lipase and Amylase over time.....	58
Table S1. LEADER standard of care guidelines.....	60
Table S2. Baseline characteristics.....	61
Table S3. Sensitivity analysis of the primary composite outcome by baseline renal status	63
Table S4. Cardiovascular and anti-diabetes medications at baseline and during trial.....	64
Table S5. Additional pancreatic cancer data.....	67
Table S6. Severe hypoglycemia events by randomized treatment.....	68

LEADER Committee Members and Investigators.

Steering Committee: Richard Bergenstal, Park Nicollet Institute, International Diabetes Center, Minneapolis, MN, USA; John Buse, The University of North Carolina School of Medicine, Chapel Hill, NC, USA; Gilbert Daniels, Massachusetts General Hospital, Boston, MA, USA; Johannes Mann, Friedrich Alexander University of Erlangen, Erlangen, Germany; Steven P Marso, UT Southwestern, Clinical Heart Center, Dallas, TX, USA; Allan Charles Moses, Novo Nordisk A/S, Søborg, Denmark (2009-2014); Michael Nauck, Medizinische Klinik, St Josef Hospital (Ruhr-Universität Bochum), Bochum, Germany; Steven Nissen, Cleveland Clinic, Cleveland, OH, USA; Stuart Pocock, London School of Hygiene and Tropical Medicine, London, UK; Neil Poulter, International Centre for Circulatory Health, Imperial College, London, UK; William Steinberg, George Washington University Medical Center, MD, USA; Bernard Zinman, Samuel Lunenfeld Research Institute, Mount Sinai Hospital, Toronto, Canada; Kirstine Brown Frandsen, Novo Nordisk A/S, Søborg, Denmark; Mette Stockner, Novo Nordisk A/S, Søborg, Denmark; Peter Kristensen, Novo Nordisk A/S, Søborg, Denmark (2015-2016); Lasse Steen Ravn, Novo Nordisk A/S, Søborg, Denmark (2011-2016); Marcin Zychma, Novo Nordisk A/S, Søborg, Denmark (2009-2011).

Data Monitoring Committee: Allan Flyvbjerg, Aarhus University, Aarhus, Denmark; Ian Ford, University of Glasgow, Glasgow, United Kingdom; Richard T. Kloos, Veracyte, Inc, South San Francisco, CA, USA; Mark J. Schactman, (External Independent Statistician), Statistics Collaborative, Inc., Washington DC, USA; Peter Sleight, John Radcliffe Hospital, Oxford, United Kingdom; Karl Swedberg, Sahlgrenska University Hospital/Östra, Gothenburg, Sweden; Scott M. Tenner, State University of New York, NY, USA

Global Expert Panel: Sema Akalin, Division of Nephrology, Bakirköy Dr. Sadi Konuk Teaching Hospital, Istanbul, Turkey (2010); Rosario Arechavaleta, Colonia Monraz, Guadalajara, Mexico; Steve Bain, Swansea University Medical School, Swansea, UK; Miguel Camafort Babkowski, Comité Español Interdisciplinario de Prevención Cardiovascular España, Sociedad Española de Medicina Interna, Madrid, Spain (2010–2011); Marian Benroubi, Athens Polyclinic General Hospital, Athens, Greece; Lori Berard, Health Sciences Centre Winnipeg, University of Manitoba, Winnipeg, Canada; Abdurrahman Comlekci, Dokuz Eylul University, Izmir, Turkey; Leszek Czupryniak, Medical University of Lodz, Lodz, Poland; Björn Eliasson, Sahlgrenska University Hospital, Gothenburg, Sweden; Mats Eriksson, Karolinska University Hospital, Stockholm, Sweden; Vivian Fonseca, Tulane University Health Sciences Center, New Orleans, LA, USA; Edward Franek, Central Clinical Hospital MSW, Warsaw, Poland; Jorge Gross, Hospital de Clinicas de Porto Alegre, Porto Alegre, Brazil; Khadija Hafidh, Rashid Hospital, Dubai, United Arab Emirates; Martin Haluzik, Charles University, Praha, Czech Republic; Frances Hayes, Dept. of Endocrinology, St. Vincent's University Hospital, Dublin , Ireland (2010-2013); Yu-Yao Huang, Chang Gung Memorial Hospital and Chang Gung University, Taoyuan, Taiwan; Stephan Jacob, Kardio Metabolischen Instituts, Villingen-Schwenningen, Germany; Ghaida Kaddaha, Rashid Hospital, Dubai, United Arab Emirates (2011-2014); Ali Khalil, Center for Diabetes and Endocrinology, Sheikh Khalifa Medical City, Abu Dhabi, United Arab Emirates (2010); Bente Kilhovd, Oslo University Hospital, Oslo, Norway; Markku Laakso, University of Eastern Finland and Kuopio University Hospital, Kuopio, Finland; Lawrence Leiter, St. Michael's Hospital, University of Toronto, Toronto, Canada; Nebojsa Lalic, University Medical Center and Belgrade School of Medicine, Belgrade, Serbia; Ji Linong, Peking University People's Hospital, Beijing, China; Joerg Luedemann, Medicine and Nutrition Diabetes and Foot Care Centre, Falkensee, Germany;

Eduardo Mannucci, Diabetes Section Geriatric Unit, Careggi Hospital, Florence, Italy; Michel Marre, Groupe Hospitalier Bichat, Paris, France; Luis Masmiquel, Universitat de les Illes Balears, Palma de Mallorca, Spain; Maria Mota, University of Medicine and Pharmacy of Craiova, Craiova, Romania; Mahomed Omar, Nelson R Mandela School of Medicine, University of KwaZulu Natal, South Africa; Donal O'Shea, St Vincent's Hospital, Dublin, Ireland; Chang Yu Pan, Chinese PLA General Hospital, Beijing, China; John Petrie, BHF Glasgow Cardiovascular Research Centre, University of Glasgow, Glasgow, UK; Thomas Pieber, Medical University of Graz, Graz, Austria; Richard Pratley, Florida Hospital, Diabetes Institute, Orlando, FL, USA; Itamar Raz, Hadassah Hebrew University Hospital, Jerusalem, Israel; Rosangela Rea, Clinical Hospital of the Federal University of Parana, Curitiba, Brazil; Guy Rutten, University Medical Center Utrecht, Utrecht, The Netherlands; İlhan Satman, Istanbul University, Istanbul, Turkey; Marina Shestakova, Endocrinology Research Centre and M.I., Sechenov First Moscow State Medical University, Moscow, Russia; Richard Simpson, Eastern Clinical Research Unit, Monash University and Eastern Health, Victoria, Australia; Diarmuid Smith, Beaumont Hospital, Dublin, Ireland; Cornelis Tack, Radboud University Nijmegen Medical Centre, Nijmegen, Netherlands; Lise Tarnow, Nordsjællands Hospital, Hillerød, Denmark; Nihal Thomas, Endocrinology, Diabetes and Metabolism, Christian Medical College and Hospital, Vellore, Tamil Nadu, India; Luc Van Gaal, Antwerp University Hospital, Antwerp, Belgium; Florence Travert, Groupe Hospitalier Bichat, Paris, France (2010-2015); Josep Vidal, Hospital Clínic de Barcelona, Barcelona, Spain; Mark Warren, Endocrinology and Metabolism Physicians East, PA, Greenville, SC, USA; Kun-Ho Yoon, Seoul St. Mary's Hospital, The Catholic University of Korea, Seoul, Republic of Korea

Calcitonin Monitoring Committee: Robert Michael Tuttle, Memorial Sloan-Kettering Cancer Center and Weill Medical College of Cornell University, Brewster, NY, USA; Stephen I. Sherman, The University of Texas MD Anderson Cancer Center, Houston, TX, USA; Laszlo Hegedüs, Odense University Hospital, Odense, Denmark

Patient Retention Panel: Heike Baerwald, Diabetologische Schwerpunktpraxis, Gifhorn, Germany; Lori Berard, Health Sciences Centre, University of Manitoba, Winnipeg, Canada; Margit Bergenstal, Region Skåne, Endokrinologiska kliniken, Malmo, Sweden (2012–2013); Selda Celik, Istanbul Medical Faculty, Istanbul University, Istanbul, Turkey; Cristiane Dias, Hospital Santa Casa, Curitiba, Brazil; Michaela Eder, Klinische Studienkoordinatorin, Diabetes-und Stoffwechselambulanz Medizinische Universität Graz, Austria (2010-2013); Stacey Fitzgibbons, USA (2010-2011); Lena Irvhage, Avdelningen för Kliniska Prövningar, Universitetssjukhuset Örebro, Sweden (2010-2011); Jana Kloluckova, Charles University and General University Hospital, Prague, Czech Republic; Rozalin Kriulianski, Institute of Endocrinology , Diabetes and Metabolism, Rambam Medical Center, Haifa, Israel (2010-2013); Roberta McDuffie, Tulane University, New Orleans, LA, USA; Solfrid Moen, Stavanger Helseforskning, Stavanger, Norway; Ayana Paster, Sheba Medical Center, Tel-Hashomer, Israel; Rosangela Maria Saalfeld, General Carneiro, Curitiba, Brazil (2010-2013); Kavitha Sankar, Christian Medical College, Vellore, India; Ermal Shehaj, Istituto Scientifico San Raffaele, Italy (2010-2011); Patrycja Swierzewska, Niepubliczny Zakład Opieki Zdrowotnej OmniMed, ul. Rzgowska, Łódź, Poland (2010-2012); Margaret Tiktin, Case Western Reserve University, Cleveland, OH, USA; Sharon Tovey, Southmead Hospital, Bristol, UK

Event Adjudication Committees

Chair: C. Michael Gibson, Harvard Medical School, Boston, MA, USA

Cardiology: Anjan K. Chakrabarti, Eastern Virginia Medical School, Chesapeake, VA, USA; John Francis Dashe, St. Elizabeth's Medical Center, Boston/Waltham, MA, USA; Judith Hinchey, St. Elisabeth's Medical Center, Boston, MA, USA; Megan Carroll Leary, Lehigh Valley Hospital, Allentown, PA, USA; Yuri Pride, Gwinnett Medical Center, Lawrenceville, GA, USA; Steve Wiviott, Brigham and Women's Hospital, Boston, MA, USA

Microvascular: Samuel Allen, Tallman Eye Association, Lawrence, MA, USA; Ali Poyan Mehr, Beth Israel Deaconess Medical Center, Boston, MA, USA; Walter P. Mutter, Newton-Wellesley Hospital, Newton, MA, USA; Samir Parikh, Harvard Medical School, Newton, MA, USA; Subhransu Ray, Bay Area Retina Associates, CA, USA

Pancreatitis: Adam Cheifetz, Beth Israel Deaconess Medical Center, Boston, MA, USA; Daniel Leffler, Beth Israel Deaconess Medical Centre, Boston, MA, USA; Sunil Sheth, Beth Israel Deaconess Medical Centre, Boston, MA, USA

Oncology: Erik Alexander, Brigham and Women's Hospital, Boston, MA, USA; Jason L. Gaglia, Harvard Medical School, Boston, MA, USA; Wolfram Goessling, Harvard Medical School, Boston, MA, USA; Lyle D Mitzner (Former), Joslin Diabetes Center, Boston, MA, USA; Carol Rosenberg, Harvard Vanguard/ Boston University School of Medicine, Boston, MA, USA; Kenneth J. Snow (Former), Joslin Diabetes Center, Boston, MA, USA; Andrew Wagner, Dana-Farber Cancer Institute, Boston, MA, USA

ECG reviewer: Gregory Piazza, Brigham and Women's Hospital, Boston, MA, USA

Study Investigators.

Australia: Sally Abell, St. Vincent's Hospital, Fitzroy, VIC; Tim Davis, University of Western Australia, School of Medicine and Pharmacology, Fremantle Hospital, Fremantle, WA; Michael D'Emden, Royal Brisbane & Womens Hospital, Herston, QLD; Su Ann Ding, Blacktown Hospital Clinical Trials Centre, University of Western Sydney, Blacktown, NSW; Christopher Gilfillan, Eastern Health Clinical School, Monash University, Melbourne, VIC; Tim Greenaway, Diabetes Centre, Royal Hobart Hospital, Hobart, TAS; Florence Gunawan, Eastern Health Clinical School, Monash University, Melbourne, VIC; Jui Ho, South Australian Endocrine Research Pty Ltd, Keswick, SA; Richard Jackson, Logan Hospital, Griffith University, Griffith University, Meadowbrook, QLD; Balvinder Kalra, Eastern Health Clinical School, Monash University, Melbourne, VIC; Sue-Lynn Lau, Blacktown Hospital Clinical Trials Centre, University of Western Sydney, Blacktown, NSW; Jaime Lin, Blacktown Hospital Clinical Trials Centre, University of Western Sydney, Blacktown, NSW; Richard MacIsaac, St. Vincent's Hospital, Fitzroy, VIC; Ashley Makepeace, University of Western Australia, School of Medicine and Pharmacology, Fremantle Hospital, Fremantle, WA; Usman Malabu, Townsville Hospital, Douglas, QLD; Joanne Marjason, Royal Brisbane & Women's Hospital, Herston, QLD; Roland McCallum, Diabetes Centre, Royal Hobart Hospital, Hobart, TAS; Mark McLean, Blacktown Hospital Clinical Trials Centre, University of Western Sydney, Blacktown, NSW; Nasrin Moin, Blacktown Hospital Clinical Trials Centre, University of Western Sydney, Blacktown, NSW; Carolyn Petersons, Southern Adelaide Diabetes & Endocrine Services,

Repatriation General Hospital, Adelaide, SA; Sarah Price, Eastern Health Clinical School, Monash University, Melbourne, VIC; Anthony Roberts, South Australian Endocrine Research Pty Ltd, Keswick, SA; David Roberts, Logan Hospital, Meadowbrook, QLD; Kunwarjit Sangla, Townsville Hospital, Douglas, QLD; Richard Simpson, Eastern Health Clinical School, Monash University, Melbourne, VIC; Stephen Stranks, Southern Adelaide Diabetes & Endocrine Services, Repatriation General Hospital, Adelaide, SA; Yong Tan, Townsville Hospital, Douglas, QLD; Tilenka Thynne, Southern Adelaide Diabetes & Endocrine Services, Repatriation General Hospital, Adelaide, SA; Jacqueline Walters, St. Vincent's Hospital, Fitzroy, VIC; Glenn Ward, St. Vincent's Hospital, Fitzroy, VIC; Wanling Wen, Eastern Health Clinical School, Monash University, Melbourne, VIC; Jane Zhang, Blacktown Hospital Clinical Trials Centre, University of Western Sydney, Blacktown, NSW.

Austria: Johanna Brix, Rudolfstiftung Hospital, Vienna; Astrid Feder, Rudolfstiftung Hospital, Vienna; Clemens Höbaus, Medical University of Vienna, Vienna; Florian Höllerl, Rudolfstiftung Hospital, Vienna; Vera Horki, Medical University of Graz, Graz; Torsten Kotter, Hanusch Hospital, Vienna; Eva Kratz, Rudolfstiftung Hospital, Vienna; Eva-Christina Krzizek, Rudolfstiftung Hospital, Vienna; Ulrike Leb-Stoeger, Medical University of Graz, Graz; Julia Mader, Medical University of Graz, Graz; Nikolaus Mras, Hanusch Hospital, Vienna; Eva Novak, Medical University of Graz, Graz; Florian Obendorf, Medical University of Vienna, Vienna; Slobodan Peric, Hietzing Hospital, Vienna; Gerfried Pesau, Medical University of Vienna, Vienna; Thomas Pieber, Medical University of Graz, Graz; Rudolf Prager, Hietzing Hospital, Vienna; Anja Ribitsch, Medical University of Graz, Graz; Christoph Schnack, Rudolfstiftung Hospital, Vienna; Guntram Schernthaner, Rudolfstiftung Hospital, Vienna; Gerit Schernthaner, Medical University of Vienna, Vienna; Thomas Wascher, Hanusch Hospital, Vienna.

Belgium: Arsène-Hélène Batens, Ghent University Hospital, De Pintelaan, Ghent; Katrien Benhalima, University Hospital Leuven, Leuven; Christophe De Block, Faculty of Medicine, Antwerp University Hospital, Edegem, Antwerp; Philippe Ernest, CHU de Liège, Liège; Alice Fouckova, Ghent University Hospital, De Pintelaan, Ghent; Bernard Jandrain, Pharmacology Clinic, CHU de Liège, Liège; Bruno Lapauw, Ghent University Hospital, De Pintelaan, Ghent; Michel Letiexhe, CHU de Liège, Liège; Chantal Mathieu, University Hospital Leuven, Leuven; Sophie Neven, University Hospital Leuven, Leuven; Frida Peiffer, Faculty of Medicine, Antwerp University Hospital, Edegem, Antwerp; Johannes Ruige, Ghent University Hospital, De Pintelaan, Ghent; André Scheen, CHU de Liège, Liège; Youri Taes, Ghent University Hospital, De Pintelaan, Ghent; Inge Van Boxelaer, University Hospital Leuven, Leuven; Greet Vandistel, University Hospital Leuven, Leuven; Yannick Van Durme, Ghent University Hospital, De Pintelaan, Ghent; Luc Van Gaal, Faculty of Medicine, Antwerp University Hospital, Edegem, Antwerp; Ann Verhaegen, Faculty of Medicine, Antwerp University Hospital, Edegem, Antwerp.

Brazil: Eveline Alencar, Centro de Pesquisas em Diabetes e Doenças Endócrino-metabólicas, Fortaleza, CE; Renata Alencar, Instituto Cearense de Endocrinologia, Fortaleza, CE; Ana Cristina Almeida, Irmandade da Santa Casa de Misericórdia de Curitiba, Unidade de Pesquisa Clínica, Curitiba, PR; Breno Alves, Hospital das Clínicas da Faculdade de Medicina de Universidade de São Paulo, São Paulo, SP; Erica Alves, Centro de Pesquisas Clínicas Ltda, São Paulo, SP; Graciella Alves, Hospital Geral de Goiânia Dr. Alberto Rassi, RDM Pesquisas Clínicas, Goiânia, GO; Jacy Alves, Hospital de Clínicas/UFPR, Curitiba, PR; Letícia Araujo, Hospital Geral de Goiânia Dr. Alberto Rassi, RDM Pesquisas Clínicas, Goiânia, GO; Vivian Arruda, Clínica de Endocrinologia Prof. Dr. Fadlo Fraige Filho, São Paulo, SP; Gustavo Akerman Augusto, CPQuali Pesquisa Clínica Ltda, São Paulo, SP;

Rejane Baggentoss, Instituto de Endocrinologia e Diabetes de Joinville, Joinville, SC; Luíza Balestrassi, Hospital São Joaquim, Beneficência Portuguesa de São Paulo, São Paulo, SP; Marcus Barbosa, Instituto de Endocrinologia e Diabetes de Joinville, Joinville, SC; Igor Barcelos, Hospital Geral de Goiânia Dr. Alberto Rassi, RDM Pesquisas Clínicas, Goiânia, GO; Lucia Belem, Instituto Cearense de Endocrinologia, Fortaleza, CE; Anke de Bem, Hospital de Clinicas, Curitiba, PR; Roberto Tadeu Betti, Instituto do Coração do Hospital das Clínicas da Faculdade de Medicina da Universidade de São Paulo,, São Paulo, SP; Renata Bona, Centro de Pesquisas Clínicas Ltda, São Paulo, SP; Adriana Bosco, Centro de Estudos e Pesquisa da Clinica de Endocrinologia e Metabologia, Belo Horizonte, MG; Julia Branda, Hospital São Joaquim, Beneficência Portuguesa, São Paulo, SP; Marcello Bronstein, CPQuali Pesquisa Clínica Ltda., São Paulo, SP; Thiago Bueno, Clínica de Endocrinologia Prof. Dr. Fadlo Fraige Filho, São Paulo, SP; Tania Bulcão, Instituto de Estudos e Pesquisas Clínicas do Ceará, Fortaleza, CE; Fátima Caiado, Instituto de Ciências Farmacêuticas de Estudos e Pesquisas, Aparecida de Goiânia, GO; Fabio Camazzola, Instituto de Pesquisas Clínicas para Estudos Multicêntricos, Universidade de Caxias do Sul, Caxias do Sul, RS; Maria Fernanda Cambréa, Clínica de Endocrinologia Prof Dr Fadlo Fraige Filho, São Paulo, SP; Simone Campos, Centro de Estudos e Pesquisa da Clinica de Endocrinologia e Metabologia, Belo Horizonte, MG; Stela Campos, Instituto Estadual de Diabetes e Endocrinologia, Rio de Janeiro, RJ; Luis Canani, Centro de Pesquisas em Diabetes, Porto Alegre, RS; Mario Kehdi Carra, Hospital das Clínicas da Faculdade de Medicina da Universidade de São Paulo, São Paulo, SP; Salvador Caruso, Hospital São Joaquim, Beneficência Portuguesa de São Paulo, São Paulo, SP; Nara Carvalho, Centro de Pesquisas Medicas Básica e Clínica Ltda., Recife, PE; Angela Casillo, Instituto de Ensino e Pesquisa do Hospital da Cruz Vermelha Brasileira, Curitiba, PR; Denise Castro, Centro de Pesquisas Clínicas Ltda., São Paulo, SP; Taciana Cavalcanti, Centro de Pesquisas Medicas Básica e Clínica Ltda., Recife, PE; Vinicius Cavichioli, Centro de Endocrinologia Geloneze, Campinas, SP; Cintia Cercato, Hospital das Clinicas da Faculdade de Medicina de Universidade de Sao Paulo, São Paulo, SP; Antonio Chacra, Centro de Pesquisa Clínica em Diabetes, Hospital São Paulo UNIFESP, São Paulo, SP; William Challela, Instituto do Coração do Hospital das Clínicas da Faculdade de Medicina da Universidade de São Paulo,, São Paulo, SP; Helaine Silva Charchar, Hospital Universitário João de Barros Barreto, Belém, PA; Camila Chaves, Núcleo de Medicina Integrada, Mogi das Cruzes, SP; Carlos Chrisman, Núcleo de Medicina Integrada, Mogi das Cruzes, SP; Carolina Chrisman, Núcleo de Medicina Integrada, Mogi das Cruzes, SP; Joya Correia-Deur, Centro de Pesquisas Clínicas Ltda., São Paulo, SP; Augusto da Costa Junior, CPQuali Pesquisa Clínica Ltda,São Paulo, SP; Midiã Costa, Pontifícia Universidade Católica de Campinas, Campinas, SP; Bruna Costi, Centro de Pesquisas Medicas Básica e Clínica Ltda., Recife, PE; Priscilla Coutinho, Centro de Diabetes Curitiba, Curitiba, PR; Walmir Coutinho, Instituto Estadual de Diabetes e Endocrinologia, Rio de Janeiro, RJ; Maria Rosaria Cunha, Hospital das Clínicas da Faculdade de Medicina da Universidade de São Paulo, São Paulo, SP; Jorge Daher Junior, Hospital Geral de Goiânia Dr. Alberto Rassi, RDM Pesquisas Clínicas, Goiânia, GO; Elaine Davini, Hospital das Clínicas da Faculdade de Medicina da Universidade de São Paulo, São Paulo, SP; Dimas Democh Junior, Centro de Pesquisa Clínica em Diabetes, Hospital São Paulo UNIFESP, São Paulo, SP; Freddy Eliaschewitz, Centro de Pesquisas Clínicas Ltda., São Paulo, SP; Giuseppe Esmanhoto Facin, Instituto de Ensino e Pesquisa do Hospital da Cruz Vermelha Brasileira, Curitiba, PR; Francisco Farias, Centro de Pesquisas Medicas Básica e Clínica Ltda., Recife, PE; João Felício, Hospital Universitário João de Barros Barreto, Belém, PA; Virgínia Fernandes, Instituto Cearense de Endocrinologia, Fortaleza, CE; Celso Sallum Filho, Centro de Pesquisa Clínica em Diabetes, Hospital São Paulo UNIFESP, São Paulo, SP; Fadlo Fraige Filho, Clínica de Endocrinologia Prof. Dr. Fadlo Fraige Filho, São Paulo, SP; Manoel Filho, Centro de Pesquisas Medicas Básica e Clínica Ltda., Recife, PE; Daniele Fontan, Centro de Pesquisas Medicas Básica e Clínica Ltda., Recife, PE; Ana Paula Fontenele, Centro de Pesquisas

em Diabetes e Doenças Endócrino-metabólicas, Fortaleza, CE; Adriana Forti, Centro de Estudos em Diabetes e Hipertensão, Fortaleza, CE; Denise Franco, Centro de Pesquisas Clínicas Ltda., São Paulo, SP; Kyara Freire, Centro de Pesquisas Medicas Básica e Clínica Ltda., Recife, PE; Annunziata Fusaro, Centro de Pesquisa Clínica em Diabetes, Hospital São Paulo UNIFESP, São Paulo, SP; Paulo Genestreti, Centro de Pesquisas Clínicas Ltda., São Paulo, SP; Fernando Gerchman, Hospital Moinhos de Vento, Porto Alegre, RS; Ana Godi, Hospital de Clinicas da Faculdade de Medicina de Marília, Marília, SP; Karla Fabiana Gomes, Hospital das Clínicas da Faculdade de Medicina da Universidade de São Paulo, São Paulo, SP; Pedro Gonçalves, Instituto Estadual de Diabetes e Endocrinologia, Rio de Janeiro, RJ; Rodrigo Gonçalves, Centro de Pesquisas Clínicas Ltda, São Paulo, SP; Luiz Griz, Centro de Pesquisas Medicas Básica e Clínica Ltda., Recife, PE; Jorge Gross, Centro de Pesquisas em Diabetes, Porto Alegre, RS; Michelle Grossman, Centro de Pesquisas Clínicas Ltda, São Paulo, SP; Maria Helane Gurgel, Instituto Cearense de Endocrinologia, Fortaleza, CE; Amine Wiener Vasconcellos Haddad, Clínica de Endocrinologia Prof. Dr. Fadlo Fraige Filho, São Paulo, SP; Alfredo Halpern, Hospital das Clinicas da Faculdade de Medicina de Universidade de Sao Paulo, São Paulo, SP; Miguel Hissa, Centro de Pesquisas em Diabetes e Doenças Endócrino-metabólicas, Fortaleza, CE; Alinne Inuy, Clínica de Endocrinologia Prof. Dr. Fadlo Fraige Filho, São Paulo, SP; Juliana Jaime, Hospital Geral de Goiânia Dr. Alberto Rassi, RDM Pesquisas Clínicas, Goiânia, GO; Thaisa Jonasson, Hospital de Clínicas/UFPR, Curitiba, PR; José Carlos Jorge, Irmandade da Santa Casa de Misericórdia de Curitiba, Unidade de Pesquisa Clínica, Curitiba, PR; Fernanda Justus Malucelli, Hospital de Clinicas, Curitiba, PR; Suely Kohara, Instituto de Endocrinologia e Diabetes de Joinville, Joinville, SC; Caroline Kramer, Centro de Pesquisas em Diabetes, Porto Alegre, RS; Claudio Lacerda, Centro de Diabetes Curitiba, Curitiba, PR; Suzanny Ladeira, Hospital Universitário João de Barros Barreto, Belém, PA; Janaína Lana, Centro de Pesquisas Clínicas Ltda., São Paulo, SP; Flavio Lastebasse, Centro de Pesquisas Clínicas Ltda, São Paulo, SP; Andressa Leitão, Centro de Diabetes Curitiba, Curitiba, PR; Silmara Leite, Instituto de Ensino e Pesquisa do Hospital da Cruz Vermelha Brasileira, Curitiba, PR; Antonio Carlos Lerário, Instituto do Coração do Hospital das Clínicas da Faculdade de Medicina da Universidade de São Paulo, São Paulo, SP; Denise Lima, Centro de Pesquisas Medicas Básica e Clínica Ltda., Recife, PE; Marcelo Lima, Centro de Endocrinologia Geloneze, Campinas, SP; Vinicius Lippi, Hospital São Joaquim, Beneficência Portuguesa de São Paulo, São Paulo, SP; Maria Lunardi, Núcleo de Medicina Integrada, Mogi das Cruzes, SP; Evelyn Machado, Centro de Diabetes de Sergipe, Aracaju, SE; Frederico Maia, CPQuali Pesquisa Clínica Ltda., São Paulo, SP; Juliana Maia, Centro de Pesquisas Medicas Básica e Clínica Ltda., Recife, PE; Kleisson Pontes Maia, Centro de Estudos e Pesquisa da Clinica de Endocrinologia e Metabologia, Belo Horizonte, MG; Nadila Mañas, Hospital de Clinicas, Curitiba, PR; Frederico Marchisotti, CPQuali Pesquisa Clínica Ltda., São Paulo, SP; Carlos Marinho, Centro de Pesquisas Medicas Básica e Clínica Ltda., Recife, PE; Carliane Martins, Hospital Universitário João de Barros Barreto, Belém, PA; Fabrícia Figueiredo de Medeiros, Hospital Geral de Goiânia Dr. Alberto Rassi, RDM Pesquisas Clínicas, Goiânia, GO; Amanda Melo, Centro de Pesquisas Medicas Básica e Clínica Ltda., Recife, PE; Franciane Melo, Hospital Universitário João de Barros Barreto, Belém, PA; Eurico Mendonca, Centro de Pesquisa Clínica em Diabetes, Hospital São Paulo UNIFESP, São Paulo, SP; Paulo Mendonça, Hospital Geral de Goiânia Dr. Alberto Rassi, RDM Pesquisas Clínicas, Goiânia, GO; Raimundo Menezes Filho, Centro de Diabetes de Sergipe, Aracaju, SE; Marianna Miguel, Hospital Geral de Goiânia Dr. Alberto Rassi, RDM Pesquisas Clínicas, Goiânia, GO; Karem Miléo, Hospital Universitário João de Barros Barreto, Belém, PA; Margareth Miyahara, Hospital Universitário João de Barros Barreto, Belém, PA; Ana Paula Montenegro, Instituto Cearense de Endocrinologia, Fortaleza, CE; Aline Moraes, Instituto Estadual de Diabetes e Endocrinologia, Rio de Janeiro, RJ; Alessandro Moreira, Instituto de Ciências Farmacêuticas de Estudos e Pesquisas, Aparecida de Goiânia, GO; José Ítalo Mota, Instituto de

Estudos e Pesquisas Clínicas do Ceará, Fortaleza, CE; Flávia Silvia Mothe, Pontifícia Universidade Católica de Campinas, Campinas, SP; Ada Murro, Universidade Estadual de Campinas, Campinas, SP; Viviane Nakatani, Hospital de Clinicas, Curitiba, PR; Thiago Fraga Napoli, Instituto de Pesquisa Clínica, São Paulo, SP; Bruno Geloneze Neto, Centro de Endocrinologia Geloneze, Campinas, SP; Oscar Queiroz Neto, Instituto de Estudos e Pesquisas Clínicas do Ceará, Fortaleza, CE; Edgard Niclewicz, Centro de Diabetes Curitiba, Curitiba, PR; Louis Nakayama Ohe, Centro de Pesquisa Clínica em Diabetes, Hospital São Paulo UNIFESP, São Paulo, SP; Francisco Oliveira, Hospital São Joaquim, Beneficência Portuguesa de São Paulo, São Paulo, SP; Marcela Oliveira, Centro de Pesquisas Medicas Básica e Clínica Ltda., Recife, PE; Daniel Panarotto, Instituto de Pesquisas Clínicas para Estudos Multicêntricos, Universidade de Caxias do Sul, Caxias do Sul, RS; Erika Parente, Hospital das Clínicas da Faculdade de Medicina da Universidade de São Paulo, São Paulo, SP; Salma Parolin, Irmandade da Santa Casa de Misericórdia de Curitiba, Unidade de Pesquisa Clínica, Curitiba, PR; Luciana Pechmann, Centro de Diabetes Curitiba, Curitiba, PR; Paula Costa da Penha, Hospital Universitário João de Barros Barreto, Belém, PA; Lidiane Perlamagna, Centro de Pesquisas Clínicas Ltda., São Paulo, SP; Bruno Perotta, Clínica de Endocrinologia Prof. Dr. Fadlo Fraige Filho, São Paulo, SP; Larissa Pimentel, Centro de Pesquisas Medicas Básica e Clínica Ltda., Recife, PE; Mauro Pinto, Centro de Diabetes Curitiba, Curitiba, PR; Christiani Poço, Instituto de Pesquisa Clínica, São Paulo, SP; Clarisse Ponte, Instituto Cearense de Endocrinologia Fortaleza, CE; Paula Prazeres, Centro de Pesquisas Medicas Básica e Clínica Ltda., Recife, PE; Eder Quintao, CPQuali Pesquisa Clínica Ltda., São Paulo, SP; Roberto Raduan, Hospital São Joaquim, Beneficência Portuguesa de São Paulo, São Paulo, SP; Danilo Teixeira Rassi, Hospital Geral de Goiânia Dr. Alberto Rassi, RDM Pesquisas Clínicas, Goiânia, GO; Nelson Rassi, Hospital Geral de Goiânia Dr. Alberto Rassi, RDM Pesquisas Clínicas, Goiânia, GO; Rosangela Rea, Universidade Federal do Paraná, Curitiba, PR; Luciana Reck, Centro de Pesquisas em Diabetes, Porto Alegre, RS; Renan Montenegro Jr., Instituto Cearense de Endocrinologia, Fortaleza, CE; Rochele Ribeiro, Instituto Cearense de Endocrinologia, Fortaleza, CE; Sylka Rodovalho, Centro de Endocrinologia Geloneze, Campinas, SP; Goretti Silveira Rodrigues, Instituto de Endocrinologia e Diabetes de Joinville, Joinville, SC; Guilherme Rollin, Hospital Moinhos de Vento, Porto Alegre, RS; Sarah Rossi, Clínica de Endocrinologia Prof. Dr. Fadlo Fraige Filho, São Paulo, SP; Cleide Sabino, Centro de Pesquisas Clínicas Ltda., São Paulo, SP; Ana Paula Sales, Instituto Cearense de Endocrinologia, Fortaleza, CE; João Salles, Instituto de Pesquisa Clínica, São Paulo, SP; Celia Regina Sampaio, Centro de Pesquisas Clínicas Ltda., São Paulo, SP; Lidiane Santana, Hospital Universitário João de Barros Barreto, Belém, PA; Victor Sato, Centro de Pesquisas Clínicas Ltda., São Paulo, SP; Mariana da Silva Santos, Hospital Geral de Goiânia Dr. Alberto Rassi, RDM Pesquisas Clínicas, Goiânia, GO; Norma Lúcia Santos, Centro de Diabetes de Sergipe, Aracaju, SE; Rosa Santos, Hospital das Clínicas da Faculdade de Medicina da Universidade de São Paulo, São Paulo, SP; José Saraiva, Pontifícia Universidade Católica de Campinas, Campinas, SP; Carla Sartori, Centro de Pesquisas em Diabetes, Porto Alegre, RS; Rita Sena, Centro de Estudos em Diabetes e Hipertensão, Fortaleza, CE; Marcela Sevilha, Hospital São Joaquim, Beneficência Portuguesa de São Paulo, São Paulo, SP; José Sgarbi, Hospital de Clinicas da Faculdade de Medicina de Marília, Marília, SP; Dalisbor Silva, Instituto de Endocrinologia e Diabetes de Joinville, Joinville, SC; Daniel Silva, Centro de Estudos e Pesquisa da Clinica de Endocrinologia e Metabologia, Belo Horizonte, MG; Lilian D'aluquerque Silva, Hospital Universitário João de Barros Barreto, Belém, PA; Maria Elizabeth Silva, Hospital das Clínicas da Faculdade de Medicina da Universidade de São Paulo, São Paulo, SP; Kátia Siqueira, Centro de Pesquisas Clínicas Ltda, São Paulo, SP; Samuel Soares, Hospital Geral de Goiânia Dr. Alberto Rassi, RDM Pesquisas Clínicas, Goiânia, GO; Wladia Sobreira, Instituto de Estudos e Pesquisas Clínicas do Ceará, Fortaleza, CE; Bruno Sousa, Hospital das Clínicas da Faculdade de Medicina da Universidade de São Paulo, São Paulo, SP; Ana Carolina Souza, Hospital

Universitário João de Barros Barreto, Belém, PA; Barbara Souza, Instituto de Endocrinologia e Diabetes de Joinville, Joinville, SC; Marcos Tambascia, Universidade Estadual de Campinas, Campinas, SP; Roberta Tarantino, Instituto Estadual de Diabetes e Endocrinologia, Rio de Janeiro, RJ; Fernanda Tenor, CPQuali Pesquisa Clínica Ltda., São Paulo, SP; Maithe Tomarchio, Clínica de Endocrinologia Prof. Dr. Fadlo Fraige Filho, São Paulo, SP; Cristina Triches, Instituto de Pesquisas Clínicas para Estudos Multicêntricos, Universidade de Caxias do Sul, Caxias do Sul, RS; Lívia Justen Tristão, Instituto de Ensino e Pesquisa do Hospital da Cruz Vermelha Brasileira, Curitiba, PR; Adriana Valenti, Centro de Pesquisas em Diabetes, Porto Alegre, RS; Enio Vasques, Núcleo de Medicina Integrada, Mogi das Cruzes, SP; Sergio Vencio, Instituto de Ciências Farmacêuticas de Estudos e Pesquisas, Aparecida de Goiânia, GO; André Vianna, Centro de Diabetes Curitiba, Curitiba, PR; Thiago Munhoz Vidotto, Centro de Pesquisa Clínica em Diabetes, Hospital São Paulo UNIFESP, São Paulo, SP; Suélen Vieira, Instituto de Ensino e Pesquisa do Hospital da Cruz Vermelha Brasileira, Curitiba, PR; Heloisa Villar, Hospital de Clinicas da Faculdade de Medicina de Marília, Marília, SP; Guilherme Visconti, Centro de Pesquisas Clínicas Ltda, São Paulo, SP; Alexei Volaco, Irmandade da Santa Casa de Misericórdia de Curitiba, Unidade de Pesquisa Clínica, Curitiba, PR; Bernardo Wajchenberg, Instituto do Coração do Hospital das Clínicas da Faculdade de Medicina da Universidade de São Paulo, São Paulo, SP; Leila Zanatta, Hospital de Clinicas, Curitiba, PR; Leila Zimmerman, Instituto de Pesquisa Clínica, São Paulo, SP.

Canada: E. Carl Abbott, Nova Scotia Health Authority, Halifax, Nova Scotia; Asiru Abu-Bakare, Port Arthur, Ontario; Andrew Advani, St. Michael's Health Centre, Toronto, Ontario; Roy Allison, Canadian Centre for Research on Diabetes, Smith Falls, Ontario; Phoebe Bishara, Medicine Professional Corporation, Cambridge, Ontario; C. Keith Bowering, Baker Clinic, Edmonton, Alberta; Alice Cheng, Credit Valley Hospital, Mississauga, Ontario; Sylvain Chouinard, Institut Universitaire de Cardiologie et de Pneumologie de Quebec, Quebec; Dale Clayton, Nova Scotia Health Authority, Halifax, Nova Scotia; James Conway, Canadian Centre for Research on Diabetes, Smith Falls, Ontario; Martin D'Amours, CHUL Research Center, Québec; Barna de Tugwell, Nova Scotia Health Authority, Halifax, Nova Scotia; Paul DeYoung, McConnell Medical Centre, Cornwall; Giuseppe D'Ignazio, Canadian Centre for Research on Diabetes, Smith Falls, Ontario; Francois Dube, Institut Universitaire de Cardiologie et de Pneumologie de Quebec, Quebec; Jean-Marie Ekoe, Institut de Recherches Cliniques de Montréal, Montréal, Québec; Susan Fagan, St. John's, Newfoundland; Claude Garceau, Institut Universitaire de Cardiologie et de Pneumologie de Quebec, Quebec; Irving Gottesman, Credit Valley Hospital, Mississauga, Ontario; Amir Hanna, St. Michael's Health Centre, Toronto, Ontario; Stewart Harris, The Western Centre for Public Health and Family Medicine, London, Ontario; Irene M. Hramiak, St. Joseph's Health Care, London, Ontario; Carmen Hurd, Health Sciences Centre, Winnipeg, Manitoba; S. Imran, Nova Scotia Health Authority, Halifax, Nova Scotia; Robert Josse, St. Michael's Health Centre, Toronto, Ontario; Carol Joyce, Memorial University of Newfoundland, St. John's, Newfoundland; Stephanie Kaiser, Nova Scotia Health Authority, Halifax, Nova Scotia; Farrukh Khan, Rouge Valley Metabolic Research Centre, Scarborough, Ontario; Isabelle Kirouac, Institut Universitaire de Cardiologie et de Pneumologie de Quebec, Quebec; Christopher Kovacs, Memorial University of Newfoundland, St. John's, Newfoundland; Isabelle Labonte, Institut Universitaire de Cardiologie et de Pneumologie de Quebec, Quebec; W. John Langlois, Credit Valley Hospital, Mississauga, Ontario; Lawrence Leiter, St. Michael's Health Centre, Toronto, Ontario; Marie-France Levac, McConnell Medical Centre, Cornwall, Canada; Joanne Liutkus, Medicine Professional Corporation, Cambridge, Ontario; Charlotte McDonald, St. Joseph's Health Care, London, Ontario; Vladimir Milosevic, Credit Valley Hospital, Mississauga, Ontario; Bulangu Lukuki Nyomba, Health Sciences Centre, Winnipeg, Manitoba; Terri Paul, St.

Joseph's Health Care, London, Ontario; Kathleen Raby, Institut Universitaire de Cardiologie et de Pneumologie de Quebec, Quebec; Thomas Ransom, Nova Scotia Health Authority, Halifax, Nova Scotia; Sonja M. Reichert, The Western Centre for Public Health and Family Medicine, London, Ontario; Ravi Retnakaran, Mount Sinai Hospital, Toronto, Canada; Remi Rabasa-Lhoret, Institut de Recherches Cliniques de Montréal, Montréal, Québec; Errol Raff, Baker Clinic Edmonton, Alberta; Roya Shaikholeslami, Cambridge, Ontario; John Sigalas, Rouge Valley Metabolic Research Centre, Scarborough, Ontario; Churn-Ern Yip, Nova Scotia Health Authority, Halifax, Nova Scotia; S. John Weisnagel, CHUL Research Center, Québec, Canada; Vincent Woo, Health Sciences Centre, Winnipeg, Manitoba; Bernard Zinman, Mount Sinai Hospital, Toronto, Canada.

China: Yi Bao, Shanghai Changzheng Hospital, Shanghai; Xiaoling Cai, Peking University People's Hospital, Beijing; Jiangtian Chen, Peking University People's Hospital, Beijing; Kang Chen, Chinese People's Liberation Army, Beijing; Meiling Chen, Chinese People's Liberation Army, Beijing; Xia Chen, the Affiliated Hospital of Jiangsu University, Jiangsu; Yingli Chen, Peking University People's Hospital, Beijing; Linong Ji, Peking University People's Hospital, Beijing; Yang Ji, Hospital of Qingdao Medical College, Shandong Province; Juan Lei, Second Affiliated Hospital of Sun Yat Sen University, Guangzhou; Hongbing Li, Beijing Tongren Hospital, Beijing; Peijing Liu, the Affiliated Hospital of Jiangsu University, Jiangsu; Yiming Mu, Chinese People's Liberation Army, Beijing; Changyu Pan, Chinese People's Liberation Army, Beijing; Meng Ren, Second Affiliated Hospital of Sun Yat Sen University, Guangzhou; Yusheng Ren, Shanghai Changzheng Hospital, Shanghai; Yongquan Shi, Shanghai Changzheng Hospital, Shanghai; Dong Wang, the Affiliated Hospital of Jiangsu University, Jiangsu; Fang Wang, Hospital of Qingdao Medical College, Shandong Province; Jingjing Wang, Chinese People's Liberation Army, Beijing; Yangang Wang, Hospital of Qingdao Medical College, Shandong Province; Li Yan, Second Affiliated Hospital of Sun Yat Sen University, Guangzhou; Guoqing Yang, Chinese People's Liberation Army, Beijing; Jinkui Yang, Beijing Tongren Hospital, Beijing; Xiaolong Yu, Hospital of Qingdao Medical College, Shandong Province; Guoyue Yuan, the Affiliated Hospital of Jiangsu University, Jiangsu; Mingtong Xu, Second Affiliated Hospital of Sun Yat Sen University, Guangzhou; Xiuli Zhao, Beijing Tongren Hospital, Beijing; Jiaoyang Zheng, Shanghai Changzheng Hospital, Shanghai; Lingli Zhou, Peking University People's Hospital, Beijing.

Czech Republic: Kateřina Anderlová, III. Interní klinika VFN v Praze, U Nemocnice 1, Prague; Jitka Brožová, Diabetologické centrum I. interní kliniky FN Plzeň, Alej Svobody 80, Plzeň; Martin Haluzík, III. Interní klinika VFN a 1. LF UK v Praze, U Nemocnice 1, Prague; Věra Hanušová, III. Interní klinika VFN v Praze, U Nemocnice 1, Praha; Mikuláš Kosák, III. Interní klinika VFN v Praze, U Nemocnice 1, Prague; Jarmila Křížová, III. Interní klinika VFN v Praze, U Nemocnice 1, Prague; Miloš Mráz, III. Interní klinika VFN v Praze, U Nemocnice 1, Prague; Klára Owen, III. Interní klinika VFN v Praze, U Nemocnice 1, Prague; Zdenek Rušavý, Diabetologické centrum I. interní kliniky FN Plzeň, Alej Svobody 80, Plzeň; Jitka Tomešová, Diabetologické centrum I. interní kliniky FN Plzeň, Alej Svobody 80, Plzeň; Pavel Trachta, III. Interní klinika VFN v Praze, U Nemocnice 1, Prague; Michal Žourek, Diabetologické centrum I. interní kliniky FN Plzeň, Alej Svobody 80, Plzeň.

Denmark: Per Heden Andersen, Endokrinologisk Ambulatorium, Sydvestjysk Sygehus, Esbjerg; Trine Boesgaard, Steno Diabetes Centre, Gentofte; Sidsel Christensen, Steno Diabetes Centre, Gentofte; Jeppe Gram, Endokrinologisk Ambulatorium, Sydvestjysk Sygehus, Esbjerg; Søren Gregersen, Endokrinologisk Afdeling Medicinsk, MEA, Århus Universitetshospital THG, Århus; Jan Erik Henriksen, Endokrinologisk afdeling M, Odense Universitets Hospital, Odense; Kjeld Hermansen, Endokrinologisk Afdeling Medicinsk, MEA, Århus Universitetshospital THG, Århus; Poul

Erik Jakobsen, Endokrinologisk Afdeling , Aalborg Sygehus, Aalborg; Jens Jensen, Endokrinologisk Afdeling Medicinsk, MEA, Århus Universitetshospital THG, Århus; Peter Kristensen, Steno Diabetes Centre, Gentofte; Annesofie Krogsaa, Steno Diabetes Centre, Gentofte; Mette Larsen, Endokrinologisk Afdeling Medicinsk, MEA, Århus Universitetshospital THG, Århus; Hans Henrik Lervang, Endokrinologisk Afdeling, Aalborg Sygehus Aalborg; Sten Madsbad, Medicinsk endokrinologisk amubalatorium, Hvidovre Hospital, Hvidovre; Lene Mortensen, Endokrinologisk Afdeling Medicinsk, MEA, Århus Universitetshospital THG, Århus; Thomas Olesen, Endokrinologisk afdeling M, Odense Universitets Hospital, Odense; Anna Pietraszek, Endokrinologisk Afdeling, Aalborg Sygehus, Aalborg; Martin Ridderstråle, Steno Diabetes Centre, Gentofte; Narges Safai, Steno Diabetes Centre, Gentofte; Anne Grethe Schioldan, Endokrinologisk Afdeling Medicinsk, MEA, Århus Universitetshospital THG, Århus; Christina Schmidt, Endokrinologisk afdeling M, Odense Universitets Hospital, Odense; Ole Snorgaard, Medicinsk endokrinologisk amubalatorium, Hvidovre Hospital, Hvidovre; Jacob Stidsen, Endokrinologisk afdeling M, Odense Universitets Hospital, Odense; Lise Tarnow, Steno Diabetes Center, Gentofte.

Finland: Henna Cederberg, Kuopio University Hospital, Kuopio; Hannu Haapämäki, Mehiläinen, Helsinki; Janne Hukkanen, Oulu Sisäautien tutkimusyksik, Oulu; Raimo Jauhainen, Kuopio University Hospital, Kuopio; Mona-Lisa Kujari, Oulu Sisäautien tutkimusyksik, Oulu; Markku Laakso, Kuopio University Hospital, Kuopio; Jorma Lahtela, Finn-Medi Research Ltd., Tampere; Merja Laine, Myyrmäki Health Centre, Vantaa; Jyrki Mäkelä, Mehiläinen, Helsinki; Manna Miilunpohja, Kuopio University Hospital, Kuopio; Markku Savolainen, Oulu Sisäautien tutkimusyksik, Oulu; Jyrki Taurio, Finn-Medi Research Ltd., Tampere; Markku Vänttinen, Kuopio University Hospital, Kuopio.

France: Christine Creton, Nancy; Valeria Cosma, Hôpital Caremeau, Nîmes; Jean Dillinger, Mondelange; Jean-Luc Jacques, Mars-la-Tour; Anne-Marie Guedj, Hôpital Caremeau, Nîmes; Michel Marre, Hôpital Bichat, Paris; Mustapha Moulla, Pont-à-Mousson; Catherine Petit, Centre Hospitalier Général Sud Francilien, Corbeil-Essonnes; Victor Ratsianoharana, Bousse; Dominique Richter, Jarny; Michel Rodier, Hôpital Caremeau, Nimes; Ronan Roussel, Service de Diabétologie, Hôpital Bichat, Paris; Florence Travert, Service de Diabétologie, Hôpital Bichat, Paris.

Germany: Steffi Appelt, Praxis Dr. R. von Hirschhausen, Dr. Müller, Dr. Appelt, Schweinfurt; Désirée Braun, Praxis Segner-Braun-Kirsch, St Ingbert; Anne-Kathrin Busch, Synexus Clinical Research GmbH, Leipzig; Hans-Ulrich Clever, Diabetespraxis Hamburg-Blankenese, Hamburg; Elizaveta Degtyareva, Synexus Clinical Research GmbH, Leipzig; Ulrich Deuse, Praxis Esser, Essen; Karin Eschenbrücher, Studienzentrum, Aschaffenburg; Michael Esser, Praxis Esser, Essen; Sabine Füllgraf-Horst, Gemeinschaftspraxis Dr. med. Sabine Füllgraf-Horst & Dr. Petra Stübler, Mannheim; Dominique Gantke, Clintrial Berlin, Berlin; Andreas Hagenow, Zentrum für Klinische Studien Südbrandenburg, Elsterwerda; Ulrike Hartmann, Praxis Sauter & Sauter & Hartmann, Wangen; Nora Hauck, Synexus Clinical Research GmbH, Leipzig; Andrea Hinz, Diabetespraxis Gifhorn, Gifhorn; Frohmut Jacob, Praxis für Prävention und Therapie, Villingen-Schwenningen; Stephan Jacob, Praxis für Prävention und Therapie, Villingen-Schwenningen; Bernd Jahrasdörfer, Klinik für Innere Medizin II, Universitätsklinikum Ulm, Ulm; Ralf Jordan, Clintrial Berlin, Berlin; Mahir Karakas, Klinik für Innere Medizin II, Universitätsklinikum Ulm, Ulm; Hans-Peter Kempe, Die Praxis am Ludwigsplatz, Ludwigshafen;

Adam Kilimnik, Diabetes Praxis Lüdemann, Falkensee; Volker Klauss, Medizinische Klinik und Poliklinik I, Munich; Gerhard Klausmann, Studienzentrum, Aschaffenburg; Anton Köhler, Medizinische Klinik und Poliklinik I, Munich; Alexander König, Dillingen; Wolfgang König, Klinik für

Innere Medizin II, Universitätsklinikum Ulm, Ulm; Kristin Kreutzmann, Synexus Clinical Research GmbH, Leipzig; Florian Krötz, Medizinische Klinik und Poliklinik I, Munich; Markus Rolf Kunze, Klinik für Innere Medizin II, Universitätsklinikum Ulm, Ulm; Bianca Lengsfeld, Oldenburg; Carmen Löhr, Studienzentrum, Aschaffenburg; Anja Löw, Medizinische Klinik und Poliklinik I, Munich; Hans-Peter Lüdemann, Diabetes Praxis Lüdemann, Falkensee; Jörg Lüdemann, Diabetes Praxis Lüdemann, Falkensee; Olga Maus, Synexus Clinical Research GmbH, Leipzig; Dirk Mittag, Zentrum für Klinische Studien Südbrandenburg, Elsterwerda; Andrea Mölle, Diabetologicum Dresden, Dresden; Matthias Mölle, Diabetologicum Dresden, Dresden; Christine Müller, Schwerpunktpraxis Diabetologie, Berlin; Joachim Müller, Praxis Dr. R. von Hirschhausen, Dr. Müller, Dr. Appelt, Schweinfurt; Rita Paschmionka, Synexus Clinical Research GmbH, Leipzig; Eberhard Politz, Diabetespraxis Gifhorn, Gifhorn; Stefan Reitschuster, Dillingen; Anke Sauter, Praxis Sauter & Sauter & Hartmann, Wangen; Joachim Sauter, Praxis Sauter & Sauter & Hartmann, Wangen; Clemens von Schacky, Medizinische Klinik und Poliklinik I, Munich; Thomas Schaum, Red Institut, Oldenburg; Daniel Schlott, Diabetespraxis Hamburg-Blankenese, Hamburg; Alexander Segner, Praxis Segner-Braun-Kirsch, St Ingbert; Olena Sihal, Synexus Clinical Research GmbH, Leipzig; Hae-Young Sohn, Medizinische Klinik und Poliklinik I, Munich; Heike Spielhagen, Diabetes Praxis Lüdemann, Falkensee; Joerg Steindorf, Praxis Dr. med. Jörg Steindorf, Schkeuditz; Sandra Steindorf, Praxis Dr. med. Jörg Steindorf, Schkeuditz; Lutz Stemler, Die Praxis am Ludwigsplatz, Ludwigshafen; Petra Stübler, Gemeinschaftspraxis Dr. med. Sabine Füllgraf-Horst & Dr. Petra Stübler, Mannheim; Julia Thaler, Red Institut, Oldenburg; Regina Tosch-Sisting, Schwerpunktpraxis Diabetologie, Berlin; Ulrike Venschott-Jordan, Clintrial Berlin, Berlin; Angelika Vietzke, Center for Cardiovascular Research, Charité, Universitätsmedizin Berlin, Berlin; Peter Witzel, Diabetes-Zentrum Hamburg-Wilhelmsburg, Hamburg; Jochen Wöhrle, Klinik für Innere Medizin II, Universitätsklinikum Ulm, Ulm.

Greece: Apostolos Benis, "Thermi" Private Hospital, Thessaloniki; Marian Benroubi, Athens Polyclinic General Hospital, Athens; Evangelia Diakoumopoulou, Diabetes Centre, Laiko General Hospital of Athens, Athens; Kyriakos Kazakos, "Thermi" Private Hospital, Thessaloniki; Nikolaos Kypraios, Athens Polyclinic General Hospital, Athens; Stavros Liatis, Diabetes Centre, Laiko General Hospital of Athens, Athens; Emmanouil Pagkalos, "Thermi" Private Hospital, Thessaloniki; Nikolaos Tentolouris, Diabetes Centre, Laiko General Hospital of Athens, Athens.

India: Varun Chandra Alur, Department of Endocrinology and Diabetes, Amrita Institute of Medical Sciences, Kerala; Megha Agrawal, TOTALL Diabetes Hormone Institute, Indore; Mazher Ali, CARE Outpatient Centre, Babu Khan Chambers, Hyderabad; Arthur Asirvatham, Kuruvikaran Salai, Madurai, Tamil Nadu; Evelyn Asirvatham, Kuruvikaran Salai, Madurai, Tamil Nadu; Tushar R Bandgar, Seth GS Medical College & KEM Hospital, Parel, Mumbai; Madhuri Balaji, Diabetes Research Institute, Chennai; Neil Bardoloi, Excel Care Hospitals, Ulubari, Guwahati; Manash Baruah, Excel Care Hospitals, Ulubari, Guwahati; Ragini Bekur, Kasturba Hospital, Manipal, Karnataka; Anil Bhansali, Postgraduate Institute of Medical Education and Research, Chandigarh; Sumith Bhatia, Kasturba Hospital, Manipal, Karnataka; Suchitra Bhonsley, Bangalore Clinisearch, Kalyan Nagar, Bangalore, Karnataka; Sonali Bhuyan, Excel Care Hospitals, Ulubari, Guwahati; Bidyut Borah, Christian Medical College, Vellore, Tamil Nadu; Nancy Bright, Bangalore Clinisearch, Kalyan Nagar, Bangalore, Karnataka; Ambrish C, Bangalore Clinisearch, Kalyan Nagar, Bangalore, Karnataka; Tirthankar Chaudhury, Apollo Gleneagles Hospital, Kolkata, West Bengal; Sapna Choudhury, TOTALL Diabetes Hormone Institute, Indore; Gopi Chellan, Department of Endocrinology and Diabetes, Amrita Institute of Medical Sciences, Kerala; Mrinal Das, Apollo Gleneagles Hospital, Kolkata, West Bengal; Mala Dharmalingam, Bangalore Endocrinology & Diabetes Research Centre, Malleshwaram,

Bangalore, Karnataka; Pinaki Dutta, Postgraduate Institute of Medical Education and Research, Chandigarh; Anil Erugu, Christian Medical College, Vellore, Tamil Nadu; Vinutha F P, Bangalore Endocrinology & Diabetes Research Centre, Malleshwaram, Bangalore, Karanataka; Prasad Gunasekaran, Christian Medical College, Vellore, Tamil Nadu; Riddhi Das Gupta, Christian Medical College, Vellore, Tamil Nadu; Asif Iqbal, Kasturba Hospital, Manipal, Karnataka; Padoor Jagadish, Madras Diabetes Research Foundation, Chennai, Tamil Nadu; Sanjay Jain, TOTALL Diabetes Hormone Institute, Indore; Sunil Jain, TOTALL Diabetes Hormone Institute, Indore; Helen Jebasingh, Kuruvikaran Salai, Madurai, Tamil Nadu; Anulekha John, Christian Medical College, Vellore, Tamil Nadu; Maya John, Jothydev's Diabetes & Research Center, Kerala; Bharti Kalra, Bharti Research Institute of Diabetes & Endocrinology, Karnal, Haryana; Sanjay Kalra, Bharti Research Institute of Diabetes & Endocrinology, Karnal, Haryana; Prakash Kasaragod, Department of Endocrinology and Diabetes, Amrita Institute of Medical Sciences, Kerala; Jothydev Kesavadev, Jothydev's Diabetes & Research Center, Kerala; Harish Kumar, Department of Endocrinology and Diabetes, Amrita Institute of Medical Sciences, Kerala; Prasanna Kumar, Bangalore Diabetes Hospital, Vasanth Nagar Bangalore, Karnataka; Vivek Lakshmanan, Department of Endocrinology and Diabetes, Amrita Institute of Medical Sciences, Kerala; Anurag Ranjan Lila, Seth GS Medical College & KEM Hospital, Parel, Mumbai; Tom Mathew, Jothydev's Diabetes & Research Center, Kerala; Hameed Miyen, Bangalore Clinisearch, Kalyan Nagar, Bangalore, Karnataka; Tara Mohan, Jothydev's Diabetes & Research Center, Kerala; Ashwin Motha, Christian Medical College, Vellore, Tamil Nadu; Chaithanya Murthy, Christian Medical College, Vellore, Tamil Nadu; Shivashankara N, Kasturba Hospital, Manipal, Karnataka; Amrit Nanaiah, Christian Medical College, Vellore, Tamil Nadu; Tittu Ommen, Department of Endocrinology and Diabetes, Amrita Institute of Medical Sciences, Kerala; Keshava Pani, Bangalore Clinisearch, Kalyan Nagar Bangalore, Karnataka; Kirmesh Pandey, TOTALL Diabetes Hormone Institute, Indore; Shamanna Paramesh, Bangalore Clinisearch, Kalyan Nagar, Bangalore, Karnataka; Vijayalakshmi Paramesh, Bangalore Diabetes Centre, Kalyan Nagar Bangalore, Karnataka; Binu Pillai, Department of Endocrinology and Diabetes, Amrita Institute of Medical Sciences, Kerala; Mukhyaprana Prabhu, Kasturba Hospital, Manipal, Karnataka; Kalki R.C, Christian Medical College, Vellore, Tamil Nadu; Saritha Ramachandran, Bangalore Diabetes Hospital, Vasanth Nagar Bangalore, Karnataka; Muthu Ramu, Madras Diabetes Research Foundation, Chennai, Tamil Nadu; Yashwanth Rao, Kasturba Hospital, Manipal, Karnataka; Sanjay Reddy, Bangalore Diabetes Hospital, Bangalore Vasanth Nagar, Bangalore, Karnataka; Padma Saikia, Bangalore Clinisearch, Kalyan Nagar, Bangalore, Karnataka; Kavitha Saravu, Kasturba Hospital, Manipal, Karnataka; Kasthuri Selvam, Madras Diabetes Research Foundation, Chennai, Tamil Nadu; Bipin Sethi, CARE Outpatient Centre, Babu Khan Chambers, Hyderabad; Arun Shankar, Jothydev's Diabetes & Research Center, Karala; Amit Sharma, Bharti Research Institute of Diabetes & Endocrinology, Karnal, Haryana ; Nalini Shah, Seth GS Medical College & KEM Hospital, Parel, Mumbai; Priti Shankar, Bangalore Endocrinology & Diabetes Research Centre, Malleshwaram, Bangalore, Karanataka; Ranjan Shetty, Kasturba Hospital, Manipal, Karnataka; Vyankatesh Shivane, Seth GS Medical College & KEM Hospital, Parel, Mumbai; Sudha Srivalli, Bangalore Clinisearch, Kalyan Nagar, Bangalore, Karnataka; Sufiya Thaseen, Christian Medical College, Vellore, Tamil Nadu; Nihal Thomas, Christian Medical College, Vellore, Tamil Nadu; Sarada S, Christian Medical College, Vellore, Tamil Nadu; Amanchi Shirisha, Christian Medical College, Vellore, Tamil Nadu; Manvizhi Subramani, Christian Medical College, Vellore, Tamil Nadu; Balaji V, Diabetes Research Institute, Chennai; Mohan V, Madras Diabetes Research Foundation, Chennai, Tamil Nadu; Padmanaban V, Christian Medical College, Vellore, Tamil Nadu; Muralidhar Verma, Kasturba Hospital, Manipal, Karnataka; Sudha Vidyasagar, Kasturba Hospital, Manipal,

Karnataka; Vidya Walinjkar, Madras Diabetes Research Foundation, Chennai, Tamil Nadu; Rama Walia, Postgraduate Institute of Medical Education and Research, Chandigarh.

Ireland: Colin Davenport, Beaumont Hospital, Dublin; Hannah Forde, Beaumont Hospital, Dublin; Gaoatswe Gadintshware, Diabetes Day Centre, St Vincent's University Hospital, Dublin; KJ Gan, St Vincent's University Hospital, Dublin; Frances Hayes, St Vincent's University Hospital, Dublin; Aftab Khattak, St Vincent's University Hospital, Dublin; Jean O'Connell, St Vincent's University Hospital, Dublin; Donal O'Shea, St Vincent's University Hospital, Dublin; Diarmuid Smith, Beaumont Hospital, Dublin.

Israel: Victorya Beilin, Rabin Medical Center, Hasharon Hospital, Petah Tikva; Avivit Cahn, Diabetes Unit, Hadassah Ein Karem Medical Center, Jerusalem; Ohad Cohen, Institute of Endocrinology Sheba Medical Center, Tel HaShomer; Tali Cukierman-Yaffe, Institute of Endocrinology, Sheba Medical Center, Tel HaShomer; Deeb Daoud, Rambam Medical Center, Haifa; Mahmud Darawsha, Lin Medical Center, Haifa; Dror Dicker, Rabin Medical Center, Hasharon Hospital, Petah Tikva; Alex Gavish, Diabetes Unit, Hadassah Ein Karem Medical Center, Jerusalem; Irit Hochberg, Rambam Medical Center, Haifa; Jacob Ilany, Institute of Endocrinology Sheba Medical Center, Tel HaShomer; Uri Inbal, Institute of Endocrinology, Sheba Medical Center, Tel HaShomer; Baruch Itzhak, Lin Medical Center, Haifa; Avraham Karasik, Institute of Endocrinology, Sheba Medical Center, Tel HaShomer; Eddy Karnieli, Rambam Medical Center, Haifa; Nader Khader, Lin Medical Center, Haifa; Mogher Khamaisi, Rambam Medical Center, Haifa; Dan Lender, Diabetes Unit, Hadassah Ein Karem Medical Center, Jerusalem; Gabriella Segal Lieberman, Institute of Endocrinology, Sheba Medical Center, Tel HaShomer; Riad Mahamid, Rambam Medical Center, Haifa; Dana Marcoviciu, Rabin Medical Center - Hasharon Hospital, Petah Tikva; Leonid Michael, Institute of Endocrinology, Sheba Medical Center, Tel HaShomer; Oscar Minuchin, Lin Medical Center, Haifa; Ofri Mosenzon, Diabetes Unit, Hadassah Ein Karem Medical Center, Jerusalem; Feige Narevichius, Rambam Medical Center, Haifa; Ruth Percik, Institute of Endocrinology, Sheba Medical Center, Tel HaShomer; Marina Potekhin, Diabetes Unit, Hadassah Ein Karem Medical Center, Jerusalem; Itamar Raz, Diabetes Unit, Hadassah Ein Karem Medical Center, Jerusalem; Muhammad Sabbah, Lin Medical Center, Haifa; Said Sawaed, Lin Medical Center, Haifa; Daniel Schurr, Diabetes Unit, Hadassah Ein Karem Medical Center, Jerusalem; Elena Segal, Rambam Medical Center, Haifa; Ladislav Slezak, Lin Medical Center, Haifa; Ira Vollach, Institute of Endocrinology, Sheba Medical Center, Tel HaShomer; Adnan Zaina, Rambam Medical Center, Haifa; Moshe Zloczower, Rambam Medical Center, Haifa; Sagit Zolotov, Rambam Medical Center, Haifa.

Italy: Alessandro Antenore, Azienda Ospedaliero Universitaria Careggi, Firenze; Mariangela Arnone, Azienda Ospedaliera Universitaria Policlinico Paolo Giaccone, Palermo; Franco Arturi, Policlinico Mater Domini Università di Catanzaro Campus Germaneto, Catanzaro; Valeria Barbaro, Azienda Ospedaliero Universitaria Careggi, Firenze; Milena Barone, Policlinico Mater Domini Università di Catanzaro Campus Germaneto, Catanzaro; Rosamaria Di Biagio, Università degli Studi Gabriele d'Annunzio, Chieti; Chiara Buscemi, Azienda Ospedaliera Universitaria Policlinico Paolo Giaccone, Palermo; Silvio Buscemi, Azienda Ospedaliera Universitaria Policlinico Paolo Giaccone, Palermo; Raffaella Buzzetti, Ospedale Santa Maria Goretti, Latina; Alberto Di Carlo, Ospedale Civile Campo di Marte, Lucca; Angela Carlone, Ospedale Santa Maria Goretti, Latina; Vittoria Caruso, Policlinico Mater Domini Università di Catanzaro Campus Germaneto, Catanzaro; Ilaria Casadidio, Ospedale Civile Campo di Marte, Lucca; Fernanda Cerrelli, Policlinico Sant Orsola-Malpighi, Bologna; Adolfo Ciavarella, Policlinico Sant Orsola-Malpighi, Bologna; Laura

Cipolloni, Ospedale Santa Maria Goretti, Latina; Alessandra Colella, Umberto I - Policlinico di Roma, Roma; Marco Colotto, Umberto I - Policlinico di Roma, Roma; Agostino Consoli, Università degli Studi Gabriele d'Annunzio, Chieti; Valentina Giulia Crippa, Ospedale San Raffaele, Milano; Ilaria Cuccuru, Ospedale Civile Campo di Marte, Lucca; Sabrina Cufone, Policlinico Mater Domini Università di Catanzaro Campus Germaneto, Catanzaro; Carla Desideri, Azienda Ospedaliero Universitaria Careggi, Firenze; Mara Fallarino, Umberto I - Policlinico di Roma, Roma; Fabrizio Febo, Università degli Studi Gabriele d'Annunzio, Chieti; Sebastiano Filetti, Umberto I - Policlinico di Roma, Roma; Chiara Foffi, Ospedale Santa Maria Goretti, Latina; Gloria Formoso, Università degli Studi Gabriele d'Annunzio, Chieti; Laura Frosio, Ospedale San Raffaele, Milano; Patrizia Di Fulvio, Università degli Studi Gabriele d'Annunzio, Chieti; Alessandra Gambineri, Università di Bologna, Azienda Ospedaliera S. Orsola Malpighi, Bologna; Federica Ginestra, Università degli Studi Gabriele d'Annunzio, Chieti; Michele Salvatore Grimaldi, Policlinico Sant'Orsola-Malpighi, Bologna; Caterina Lamanna, Azienda Ospedaliero Universitaria Careggi, Firenze; Gaetano Leto, Ospedale Santa Maria Goretti, Latina; Pietro Lucotti, Ospedale San Raffaele, Milano; Marina Lugarà, Policlinico Mater Domini Università di Catanzaro Campus Germaneto, Catanzaro; Gabriella Lumera, Ospedale San Raffaele, Milano; Andrea Magistro, Ospedale San Raffaele, Milano; Edoardo Mannucci, Azienda Ospedaliero Universitaria Careggi, Firenze; Marianna Maranghi, Umberto I - Policlinico di Roma, Roma; Daniele Martelli, Azienda Ospedaliero Universitaria Careggi, Firenze; Alessandro Mattina, Azienda Ospedaliera Universitaria Policlinico Paolo Giaccone, Palermo; Lucilla D. Monti, Ospedale San Raffaele, Milano; Martina Parise, Policlinico Mater Domini Università di Catanzaro Campus Germaneto, Catanzaro; Elisabetta Pedace, Policlinico Mater Domini Università di Catanzaro Campus Germaneto, Catanzaro; Francesca Perticone, Ospedale San Raffaele, Milano; PierMarco Piatti, Ospedale San Raffaele, Milano; Maria Pompea Antonia Baldassarre, Università degli Studi Gabriele d'Annunzio, Chieti; Benedetta Ragghianti, Azienda Ospedaliero Universitaria Careggi, Firenze; Andrea Repaci, Università di Bologna, Azienda Ospedaliera S. Orsola Malpighi, Bologna; Danilo Ribichini, Università di Bologna, Azienda Ospedaliera S. Orsola Malpighi, Bologna; Silvia Da Ros, Umberto I - Policlinico di Roma, Roma; Margherita Rossi, Ospedale San Raffaele, Milano; Marcella Santilli, Umberto I - Policlinico di Roma, Roma; Giorgio Sesti, Policlinico Mater Domini Università di Catanzaro Campus Germaneto, Catanzaro; Emanuela Setola, Ospedale San Raffaele, Milano; Ermal Shehaj, Ospedale San Raffaele, Milano; Elena Succurro, Policlinico Mater Domini Università di Catanzaro Campus Germaneto, Catanzaro; Elodia Sussolano, Umberto I - Policlinico di Roma, Roma; Giovanna Tarquini, Umberto I - Policlinico di Roma, Roma; Salvatore Verga, Azienda Ospedaliera Universitaria Policlinico Paolo Giaccone, Palermo; Valentina Vitale, Azienda Ospedaliero Universitaria Careggi, Firenze.

Mexico: Ricardo Rodríguez Alanis, Hospital Universitario Dr. José Eleuterio González, Monterrey; María del Rosario Arechavaleta-Granell, Unidad de Patología Clínica, Guadalajara; Teresita de Jesús Beltran Jaramillo, Unidad de Patología Clínica, Guadalajara; David Amador de Jesús Rodríguez Berrones, Hospital Universitario Dr. José Eleuterio González, Monterrey; Ignacio Rodríguez Briones, Cardioarritmias e Investigación, S.C., San Luis Potosí; Rocio Rodríguez Briones, Cardioarritmias e Investigación, S.C., San Luis Potosí; Eduardo Saúl Acevedo Castañeda, Instituto Jalisciense de Investigación en Diabetes y Obesidad, S.C., Guadalajara; Jesus Benito Chapa Grimaldo, Hospital Universitario Dr. José Eleuterio González, Monterrey; Claudia Aida Flores-Moreno, Hospital Universitario Dr. José Eleuterio González, Monterrey; Sandra Garza Felix, Hospital Universitario Dr. José Eleuterio González, Monterrey; Jesus Nieto Flores, Instituto Jalisciense de Investigación en Diabetes y Obesidad, Guadalajara; Guadalupe Morales Franco, Centro de Diabetes Durango, Durango; Ricardo Aarón Garza Morán, Hospital Universitario Dr. José Eleuterio Gonzalez,

Monterrey; Sandra Ofelia Hernández González, Investigación Clínica Especializada, Guadalajara; Guillermo González-Gálvez, Instituto Jalisciense de Investigación en Diabetes y Obesidad, S.C., Guadalajara; José Gerardo González González, Hospital Universitario Dr. José Eleuterio González, Monterrey; Eduardo Hernández Salazar, Unidad de Patología Clínica, Guadalajara; Pedro Alberto García Hernández, Hospital Universitario Dr. José Eleuterio González, Monterrey; Sandra Campos Hurtado, Centro de Diabetes Durango, Durango; Martha Leticia López-Velázco, Instituto Jalisciense de Investigación en Diabetes y Obesidad, S.C., Guadalajara; Ernesto Germán Cardona Muñoz, Investigación Clínica Especializada, Guadalajara; Ricardo Nuñez Márquez, Unidad de Patología Clínica, Guadalajara; Oscar Vladimir Campos Moreno, Centro de Diabetes Durango, Durango; Francisco Javier Cavazos Oliveros, Hospital Universitario Dr. José Eleuterio González, Monterrey; Jose Alfredo Haro Ortiz, Cardioarritmias e Investigación, S.C., San Luis Potosí; Emilia Susana Pelayo-Orozco, Instituto Jalisciense de Investigación en Diabetes y Obesidad, S.C., Guadalajara; Paulina Sida Perez, CardioPrevent S.C., Durango; Roxana Vazquez Ramírez, Hospital Universitario Dr. José Eleuterio González, Monterrey; Maritta A. Uribe Rios, CardioPrevent S.C., Durango; Julio César López Rodríguez, Hospital Universitario Dr. José Eleuterio González, Monterrey; Mónica Rodríguez Rosales, Hospital Universitario Dr. José Eleuterio Gonzalez, Monterrey; Israel Robledo Durón, Unidad de Patología Clínica, Guadalajara; Ricardo Alvarado Ruiz, CardioPrevent S.C., Durango; Gerardo González Saldivar, Hospital Universitario Dr. José Eleuterio González, Monterrey; Roxana Reyes Sánchez, CardioPrevent S.C., Durango; Blanca Leticia Sánchez-Michel, Instituto Jalisciense de Investigación en Diabetes y Obesidad, S.C., Guadalajara; Aleida Yael Contreras Sandoval, Unidad de Patología Clínica, Guadalajara; Arturo Velasco Gutiérrez, Instituto Jalisciense de Investigación en Diabetes y Obesidad, S.C., Guadalajara; Ana Elena Perez Verdín, Instituto Jalisciense de Investigación en Diabetes y Obesidad, S.C., Guadalajara; María Guadalupe Ramos Zavala, Investigación Clínica Especializada, Guadalajara; .

Netherlands: Evertine Abbink-Zandbergen, Radboud University Medical Centre, Nijmegen; Mohamed Ahdi, Slotervaart Ziekenhuis, Amsterdam; Annemiek Bugter, SHL-Groep, Etten-Leur; Marcel van Dijk, University Medical Center Utrecht, Utrecht; Geert Eisma, SHL-Groep, Etten-Leur; Ronald Erdtsieck, Máxima Medisch Centrum, Eindhoven; Maaike Gerards, Slotervaart Ziekenhuis, Amsterdam; Victor Gerdes, Slotervaart Ziekenhuis, Amsterdam; Harm Haak, Máxima Medisch Centrum, Eindhoven; Veroniek Harbers, Radboud University Medical Centre, Nijmegen; Klaas Hoogenberg, Martini Ziekenhuis, Groningen; Frank Huvers, Bethesda Diabetes Research Center, Hoogeveen; Wilbert Janssen, Martini Ziekenhuis, Groningen; Marleen Kars, Academic Hospital Maastricht, Maastricht; Adriaan Kooy, Bethesda Diabetes Research Center, Hoogeveen; M. Lafeber, University Medical Center Utrecht, Utrecht; Sabine Landewé-Cleuren, Academic Hospital Maastricht, Maastricht; Aloysius Lieverse, Máxima Medisch Centrum, Eindhoven; Eelco Meesters, Slotervaart Ziekenhuis, Amsterdam; Sharon Moerman, Divisie Julius Centrum, University Medical Center Utrecht, Utrecht; Dirk van Moorsel, Academic Hospital Maastricht, Maastricht; Jeroen Nijhuis, Academic Hospital Maastricht, Maastricht; Guy Rutten, University Medical Center Utrecht, Utrecht; C.J Smit, Martini Ziekenhuis, Groningen; Cornelius Tack, Radboud University Medical Centre, Nijmegen; Kristof Thevissen, Máxima Medisch Centrum, Eindhoven; Dirk Meijer Timmerman Thijssen, SHL-Groep, Etten-Leur; Annelieke Willemsen, Máxima Medisch Centrum, Eindhoven.

Norway: Kåre Birkeland, Endokrinologisk Avdeling, Oslo Universitetssykehus, Oslo; John Cooper, Stavanger Helseforskning, Stavanger; Hanne Gulseth, Oslo Universitetssykehus, Oslo; Jørn Hjelmesæth, Senter for Syklig Overvekt, Tønsberg; Pål Jørgensen, Endokrinologisk Seksjon, Medisinsk avdeling, Trondheim; Bente K. Kilhovd, Oslo Universitetssykehus, Oslo; Bård Kulseng, Endokrinologisk Seksjon, Medisinsk Avdeling,

Trondheim; Bjørn Nicolaisen, Endokrinologisk Seksjon, Medisinsk Avdeling, Trondheim; Øivind Skadberg, Stavanger Helseforskning, Stavanger, Njord Nordstrand, Senter for syklig overvekt, Tønsberg; Cecilie Wium, Endokrinologisk Avdeling, Oslo Universitetssykehus, Oslo.

Poland: Karolina Antkowiak-Piatyszek, Synexus Polska Sp, Warszawa; Małgorzata Arciszewska, NZOZ Specjalistyczny Ośrodek Internistyczno-Diabetologiczny, Białystok; Agnieszka Bajkowska-Fiedziukiewicz, Centrum Medyczne OmniMed, Łódź; Paweł Bogdanski, Oddział Nadciśnienia Tętniczego i Zaburzeń Metabolicznych, Katedra i Klinika Chorób Wewnętrznych, Zaburzeń Metabolicznych i Nadciśnienia Tętniczego Uniwersytetu Medycznego im. K. Marcinkowskiego w Poznaniu, Poznań; Urszula Czubek, UNICARDIA Specjalistyczne Centrum Leczenia Chorob Serca i Naczyn & UNIMEDICA Specjalistyczne Centrum Medyczne, Kraków; Katarzyna Cypryk, Centrum Medyczne OmniMed, Łódź; Jan Dabrowski, Centrum Medyczne OmniMed, Łódź; Małgorzata Dabrowska, Synexus Polska Sp, Warszawa; Marek Dwojak, Synexus Polska Sp, Wrocław; Szymon Dziedzic, Śląskie Centrum Osteoporozy, Katowice; Tomasz Dziewit, Śląskie Centrum Osteoporozy, Katowice; Małgorzata Faligowska, Synexus Polska Sp, Warszawa; Grażyna Fedor-Plenkowska, Medyczne Centrum Diabetologiczno-Endokrynologiczno-Metaboliczne "Diab-Endo-Met", Kraków; Edward Franek, Centralny Szpital Kliniczny MSW w Warszawie, Warszawa; Grzegorz Gajos, UNICARDIA Specjalistyczne Centrum Leczenia Chorob Serca i Naczyn & UNIMEDICA Specjalistyczne Centrum Medyczne, Kraków; Danuta Galicka-Latala, SPZOZ Uniwersytecki Szpital w Krakowie, Kraków; Alicja Galuszka-Bilinska, Samodzielny Publiczny Zakład Opieki Zdrowotnej, Ruda Śląska; Izabella Gladysz, Synexus Polska Sp, Warszawa; Joanna Gryciewicz, Centrum Medyczne OmniMed, Łódź; Grzegorz Hachula, Śląskie Centrum Osteoporozy, Katowice; Izabela Janas, SPZOZ Uniwersytecki Szpital w Krakowie, Kraków; Ewa Jazwinska-Tarnawska, Synexus Polska Sp, Wrocław; Krystyna Jedynasty, Centralny Szpital Kliniczny MSW w Warszawie, Warszawa; Małgorzata Józefowska, Centrum Medyczne OmniMed, Łódź; Anna Kaminska, Bydgoskie Centrum Diabetologii i Endokrynologii, Bydgoszcz; Beata Katra, SPZOZ Uniwersytecki Szpital w Krakowie, Kraków; Jolanta Kitowska-Koterla, Śląskie Centrum Osteoporozy, Katowice; Tomasz Klupa, SPZOZ Uniwersytecki Szpital w Krakowie, Kraków; Teresa Koblik, SPZOZ Uniwersytecki Szpital w Krakowie, Kraków; Ewa Konduracka, UNICARDIA Specjalistyczne Centrum Leczenia Chorob Serca i Naczyn & UNIMEDICA Specjalistyczne Centrum Medyczne, Kraków; Jan Konieczny, KO-MED Marek Konieczny Centrum Wielospecjalistycznej Opieki Ambulatoryjnej z Ambulatoryjnym Osrodkiem Zabiegowym, Puławy; Marek Konieczny, KO-MED Marek Konieczny Centrum Wielospecjalistycznej Opieki Ambulatoryjnej z Ambulatoryjnym Osrodkiem Zabiegowym, Puławy; Marcin Kosinski, Centrum Medyczne OmniMed, Łódź; Grzegorz Kulkowski, Samodzielny Publiczny Zakład Opieki Zdrowotnej, Ruda Śląska; Marcin Kunecki, Śląskie Centrum Osteoporozy, Katowice; Małgorzata Kurmaniak, Samodzielny Publiczny Zakład Opieki Zdrowotnej, Ruda Śląska; Robert Lesniewski, Centralny Szpital Kliniczny MSW w Warszawie, Warszawa; Teresa Lominska, Centralny Szpital Kliniczny MSW w Warszawie, Warszawa; Beata Losa, Samodzielny Publiczny Zakład Opieki Zdrowotnej, Ruda Śląska; Danuta Majkowska, Medyczne Centrum Diabetologiczno-Endokrynologiczno-Metaboliczne "Diab-Endo-Met", Kraków; Maciej Malecki, SPZOZ Uniwersytecki Szpital w Krakowie, Kraków; Joanna Mirocka, Medyczne Centrum Diabetologiczno-Endokrynologiczno-Metaboliczne "Diab-Endo-Met", Kraków; Marcin Misztal, UNICARDIA Specjalistyczne Centrum Leczenia Chorob Serca i Naczyn & UNIMEDICA Specjalistyczne Centrum Medyczne, Kraków; Krzysztof Mruk, Medyczne Centrum Diabetologiczno-Endokrynologiczno-Metaboliczne "Diab-Endo-Met", Kraków; Katarzyna Musialik, Oddział Nadciśnienia Tętniczego i Zaburzeń Metabolicznych, Katedra i Klinika Chorób Wewnętrznych, Zaburzeń Metabolicznych i Nadciśnienia Tętniczego Uniwersytetu Medycznego im. K. Marcinkowskiego w Poznaniu, Poznań; Henryka Olejniczak, Bydgoskie Centrum

Diabetologii i Endokrynologii, Bydgoszcz; Piotr Opadczuk, Synexus Polska Sp, Warszawa; Jadwiga Peczynska, NZOZ Specjalistyczny Ośrodek Internistyczno-Diabetologiczny, Białystok; Maria Plinta, Medyczne Centrum Diabetologiczno-Endokrynologiczno-Metaboliczne "Diab-Endo-Met", Kraków; Miroslawa Polaszewska-Muszyńska, Bydgoskie Centrum Diabetologii i Endokrynologii, Bydgoszcz; Elzbieta Przech, Centrum Medyczne OmniMed, Łódź; Danuta Pupek-Musialik, Oddział Nadciśnienia Tętniczego i Zaburzeń Metabolicznych, Katedra i Klinika Chorób Wewnętrznych, Zaburzeń Metabolicznych i Nadciśnienia Tętniczego Uniwersytetu Medycznego im. K. Marcinkowskiego w Poznaniu, Poznań; Zofia Ruzga, Synexus Polska Sp, Wrocław; Zdzisława Scibor, Centrum Medyczne OmniMed, Łódź; Anna Sidorowicz-Bialynicka, Synexus Polska Sp, Wrocław; Anna Siegel, Śląskie Centrum Osteoporozy, Katowice; Andrzej Stankiewicz, Medyczne Centrum Diabetologiczno-Endokrynologiczno-Metaboliczne "Diab-Endo-Met", Kraków; Agnieszka Strzelecka-Sosik, KO-MED Marek Konieczny Centrum Wielospecjalistycznej Opieki Ambulatoryjnej z Ambulatoryjnym Ośrodkiem Zabiegowym, Puławy; Teresa Swierszcz, NZOZ Specjalistyczny Ośrodek Internistyczno-Diabetologiczny, Białystok; Monika Szulinska, Oddział Nadciśnienia Tętniczego i Zaburzeń Metabolicznych, Katedra i Klinika Chorób Wewnętrznych, Zaburzeń Metabolicznych i Nadciśnienia Tętniczego Uniwersytetu Medycznego im. K. Marcinkowskiego w Poznaniu, Poznań; Katarzyna Szymkowiak, Synexus Polska Sp, Wrocław; Iwona Trybul, SPZOZ Uniwersytecki Szpital w Krakowie, Kraków; Przemysław Witek, SPZOZ Uniwersytecki Szpital w Krakowie, Kraków; Iwona Woźniak, KO-MED Marek Konieczny Centrum Wielospecjalistycznej Opieki Ambulatoryjnej z Ambulatoryjnym Ośrodkiem Zabiegowym, Puławy; Jan Zambrzycki, Synexus Polska Sp, Warszawa; Grażyna Zarzycka-Lindner, Bydgoskie Centrum Diabetologii i Endokrynologii, Bydgoszcz; Dorota Zuradzka-Wajda, Medyczne Centrum Diabetologiczno-Endokrynologiczno-Metaboliczne "Diab-Endo-Met", Kraków; Monika Zurawska-Klis, Centrum Medyczne OmniMed, Łódź.

Republic of Korea: Hwa Young Ahn, Seoul National University Bundang Hospital, Seongnam; Sang Ouk Chin, Kyung-hee University Medical Center, Seoul; Sung Hee Choi, Seoul National University Bundang Hospital, Seongnam; Suk Chon, Kyung-hee University Medical Center, Seoul; Kyung Ah Han, Eulji General Hospital, Seoul; Hak Chul Jang, Seoul National University Bundang Hospital, Seongnam; Ki Cheon Jeong, National Health Insurance Corporation Ilsan Hospital, Goyang; Seon Mee Kang, Seoul National University Bundang Hospital, Seongnam; Jin Woo Kim, Kyung-hee University Medical Center, Seoul; Hun Sung Kim, The Catholic University of Korea, Seoul St. Mary's Hospital, Seoul; Soo Joong Kim, Kyung-hee University Medical Center, Seoul; Sung Woon Kim, Kyung-hee University Medical Center, Seoul; Young Seol Kim, Kyung-hee University Medical Center, Seoul; Eun Young Lee, National Health Insurance Corporation Ilsan Hospital, Goyang; Soo Lim, Seoul National University Bundang Hospital, Seongnam; Kyung Wan Min, Eulji General Hospital, Seoul; Joo Young Nam, National Health Insurance Corporation Ilsan Hospital, Goyang; Seung Joon Oh, Kyung-hee University Medical Center, Seoul; So Young Park, Kyung-hee University Medical Center, Seoul; Sang Youl Rhee, Kyung-hee University Medical Center, Seoul; Jeong Ah Shin, The Catholic University of Korea, Seoul St. Mary's Hospital, Seoul; Jung Il Son, Kyung-hee University Medical Center, Seoul; Young Duk Song, National Health Insurance Corporation Ilsan Hospital, Goyang; Jeong Taek Woo, Kyung-hee University Medical Center, Seoul; Hae Kyung Yang, The Catholic University of Korea, Seoul St. Mary's Hospital, Seoul; Jeong Seon Yoo, National Health Insurance Corporation Ilsan Hospital, Goyang; Ji Won Yoon, Seoul National University Bundang Hospital, Seongnam; Kun Ho Yoon, The Catholic University of Korea, Seoul St. Mary's Hospital, Seoul.

Romania: Rodica Avram, County Hospital Deva, Deva; Marioara Daniela Braicu, Clinical County Emergency Hospital, Craiova; Luminita Carlan, Bacau County Emergency Hospital, Bacau; Doina Catrinoiu, Emergency County Hospital, Constanta; Daniela Ciomas, Centrul Medical PULS, Târgu Mureş; Alina Ciorba, County Emergency Hospital Satu Mare, Satu Mare; Gheorghe Ghise, Clinical County Hospital Sibiu, Sibiu; Sigina Girgavu, Clinical County Emergency Hospital, Craiova; Cristian Guja, Institute of Diabetes, Nutrition and Metabolic Diseases, Bucharest; Doina Mihai, Institute of Diabetes, Nutrition and Metabolic Diseases, Bucharest; Maria Mota, Clinical County Emergency Hospital, Craiova; Simona Nicodim, Emergency County Hospital, Constanta; Laura Nistor, SC Consultmed SRL, Iasi; Delia Reurean Pintilei, SC Consultmed SRL, Iasi; Ella Pintilei, SC Consultmed SRL, Iasi; Noemi Pletea, Bacau County Emergency Hospital, Bacau; Alina Pop, County Emergency Hospital Satu Mare, Satu Mare; Mihaela Rosu, Clinical County Hospital, Timisoara; Octavian Savu, Institute of Diabetes, Nutrition and Metabolic Diseases, Bucharest; Viorel Serban, Clinical County Hospital, Timisoara; Alexandra Sima, Clinical County Hospital, Timisoara; Carmen Sitterli-Natea, Clinical County Hospital Sibiu, Sibiu; Gina Suciu, Centrul Medical PULS, Târgu Mureş; Monica Szabo, Centrul Medical PULS, Târgu Mureş; Iosif Szilagyi, County Emergency Hospital Satu Mare, Satu Mare; Bogdan Timar, Spitalul Clinic Județean de Urgență Timisoara, Timisoara; Adrian Vlad, Clinical County Hospital, Timisoara; Ionela Mihaela Vladu, Clinical County Emergency Hospital, Craiova.

Russian Federation: Anas Alfaraj, Central Clinical, Moscow; Veronika Dubova, Yaroslavl Regional Clinical Hospital, Yaroslavl; Irina Dvoryashina, First City Hospital Of Arkhangelsk, Arkhangelsk; Leylya Gaysina, Republic Clinical Hospital, GUZ, Tatarstan; Svetlana Gromova, GUZ Regional Clinical Hospital, Saratov; Ksenia Gudkova, Smolensk State Medical Institute, Smolensk; Svetlana Ivanova, Regional Clinical Hospital, Arkhangelsk; Irina Ivashkina, Penza Regional Clinical Hospital, Penza; Marina Kalashnikova, Propaedeutics of Internal Diseases Clinic, Moscow; Tatyana Kazankova, City Clinical Hospital №5, Barnaul; Elena Khaykina, Smolensk State Medical Institute, Smolensk; Olga Khaykina, Smolensk State Medical Institute, Smolensk; Tatiana Kiseleva, Republic Clinical Hospital, GUZ, Tatarstan; Ekaterina Komissarova, Penza Regional Clinical Hospital, Penza; Irina Kononenko, Institute Of Endocrinology, Moscow; Valeria Koreneva, Central Clinical, Moscow; Olga Koshcheeva, Central Clinical, Moscow; Larisa Koshel, Propaedeutics of internal diseases clinic, Moscow; Dina Kozachuk, Regional Clinical Hospital, Arkhangelsk; Tatiana Kufelkina, Republic Clinical Hospital, GUZ, Tatarstan; Marina Kunitsyna, GUZ Regional Clinical Hospital, Saratov; Natalia Likhodey, Propaedeutics of Internal Diseases Clinic, Moscow; Tatyana Lysenko, City Clinical Hospital №5, Barnaul; Olga Makarova, Tyumen Medical Academy, Tyumen Region; Anna Malceva, City Clinical Hospital №5, Barnaul; Svetlana Mikhailova, Regional Clinical Hospital, Arkhangelsk; Evgeniya Ogorodnikova, City Clinical Hospital №5, Barnaul; Irina Pavlikova, City Clinical Hospital №5, Barnaul; Elena Pekareva, Institute Of Endocrinology, Moscow; Anna Postoeva, First City Hospital Of Arkhangelsk, Arkhangelsk; Dmitry Reshedko, Smolensk State Medical Institute, Smolensk; Galina Reshedko, Smolensk State Medical Institute, Smolensk; Leonid Reshedko, Smolensk State Medical Institute, Smolensk; Angelika Rogaleva, Regional Clinical Hospital, Arkhangelsk; Larisa Rogova, Central Clinical, Moscow; Denis Rozanov, Yaroslavl Regional Clinical Hospital, Yaroslavl; Georgiy Runov, Hospital Of Semashko, Nizhny Novgorod; Irina Samylina, Penza Regional Clinical Hospital, Penza; Tatiana Semikina, GUZ Regional Clinical Hospital, Saratov; Marina Sergeeva-Kondrachenko, Penza Regional Clinical Hospital, Penza; Olga Shatskaya, Institute Of Endocrinology, Moscow; Marina Shestakova, Institute Of Endocrinology, Moscow; Olga Shimokhina, Penza Regional Clinical Hospital, Penza; Svetlana Smetanina, Tyumen Medical Academy, Tyumen Region; Maria Startseva, Regional Clinical Hospital, Arkhangelsk; Alexandra Strelkova, First City Hospital Of

Arkhangelsk, Arkhangelsk; Lyudmila Suplotova, Tyumen Medical Academy, Tyumen Region; Larisa Suvorova, GUZ Regional Clinical Hospital, Saratov; Yulia Sych, Propaedeutics of internal diseases clinic, Moscow; Alfiya Valeeva, Kazan State Medical University (KSMU), Kazan; Farida Valeeva, Kazan State Medical University (KSMU), Kazan; Tatiana Venjkova, GUZ Regional Clinical Hospital, Saratov; Valentina Vinokurova, GUZ Regional Clinical Hospital, Saratov; Emma Voychik, Central Clinical, Moscow; Elena Yanovskaya, Yaroslavl Regional Clinical Hospital, Yaroslavl; Maria Yanovskaya, Yaroslavl Regional Clinical Hospital, Yaroslavl; Natalia Yarkova, Hospital Of Semashko, Nizhny Novgorod; Ekaterina Yarygina, Regional Clinical Hospital, Arkhangelsk; Natalia Yuzhakova, Tyumen Medical Academy, Tyumen Region; Tatiana Zakharova, Yaroslavl Regional Clinical Hospital, Yaroslavl; Olga Zanozina, Hospital Of Semashko, Nizhny Novgorod; Anatoly Zenovko, Central Clinical, Moscow; Svetlana Zhuk, Hospital Of Semashko, Nizhny Novgorod; Elena Zhukova, GUZ Regional Clinical Hospital, Saratov.

Serbia: Sandra Aleksic, Clinical Center of Serbia, Belgrade; Ana Bulatovic, Clinical Hospital Centre Zvezdara, Belgrade; Bogdan Buric, Clinical Hospital Centre Zvezdara, Belgrade; Goran Cvijovic, Clinical Center of Serbia, Belgrade; Marina Andjelic Jelic, Clinical Hospital Centre Zvezdara, Belgrade; Biljana Jojic, Clinical Hospital Centre Zvezdara, Belgrade; Aleksandra Jotic, Clinical Center of Serbia, Belgrade; Aleksandra Kendereski, Clinical Center of Serbia, Belgrade; Katarina Lalic, Clinical Center of Serbia, Belgrade; Nebojsa Lalic, Clinical Center of Serbia, Belgrade; Ljiljana Lukic, Clinical Center of Serbia, Belgrade; Marija Macesic, Clinical Center of Serbia, Belgrade; Milica Marjanovic Petkovic, Clinical Hospital Centre Zvezdara, Belgrade; Dragan Micic, Clinical Center of Serbia, Belgrade; Tanja Milicic, Clinical Center of Serbia, Belgrade; Ljiljana Popovic, Clinical Center of Serbia, Belgrade; Milica Prostran, Clinical Center of Serbia, Belgrade; Natasa Rajkovic, Clinical Center of Serbia, Belgrade; Jelena Seferovic, Clinical Center of Serbia, Belgrade; Sandra Singh, Clinical Center of Serbia, Belgrade; Radan Stojanovic, Clinical Hospital Centre Zvezdara, Belgrade; Ljubica Stosic, Clinical Center of Serbia, Belgrade; Miljanka Vuksanovic, Clinical Hospital Centre Zvezdara, Belgrade; Miroslava Zamaklar, Clinical Center of Serbia, Belgrade; Teodora Beljic Zivkovic, Clinical Hospital Centre Zvezdara, Belgrade; Svetlana Zoric, Clinical Center of Serbia, Belgrade.

South Africa: Nazimuddin Aboo, Centre for Diabetes and Endocrinology, Durban; Hendrik Willem Albertse, Rosepark Hospital, Fichardtpark; Aysha Badat, The Wits Donald Gordon Medical Centre, Johannesburg; Matthys Basson, Tiervlei Trial Centre, Cape Town; Ebrahim Bawa, Dr Lakha's Rooms, Lenasia South; Frederick Bester, Rosepark Hospital, Fichardtpark; Suzanne Blignaut, Tread Research, Cape Town; Susan Booysen, Tread Research, Cape Town; Fredricka Johanna Bosch, Rosepark Hospital, Fichardtpark; Lesley Burgess, Tread Research, Cape Town; Soraya Cassimjee, The Wits Donald Gordon Medical Centre, Johannesburg; Kathleen Coetzee, Tread Research, Cape Town; Jeannine Du Bois, Tiervlei Trial Centre, Cape Town; Johannes Engelbrecht, Mediclinic Vergelegen, Western Cape; Kathleen Finegan, Midrand Medical Centre, Midrand; Gilbert John Gibson, Rosepark Hospital, Fichardtpark; Somaya Hansa, The Wits Donald Gordon Medical Centre, Johannesburg; Alana Hemus, The Wits Donald Gordon Medical Centre, Johannesburg; Ignatius Petrus Immink, Rosepark Hospital, Fichardtpark; Andrew Jacovides, Midrand Medical Centre, Midrand; Pankaj Joshi, Louis Pasteur Medical Center, Pretoria; Shaifali Joshi, Suite 5 Diabetes Care Centre, Benoni; Cornelius Kapp, Union Hospital, Alberton; Setswakae Khoele-Machobane, Midrand Medical Centre, Midrand; Hendrik Johannes Uys Knox, Rosepark Hospital, Fichardtpark; Johanna Kok, Union Hospital, Alberton; Stephanus Komati, Louis Pasteur Medical Center, Pretoria; Evelyn Lai, The Wits Donald Gordon Medical Centre, Johannesburg; Deepak Lakha, Dr Lakha's Rooms, Lenasia South; Kenneilwe Lehloenyane, Tread Research, Cape

Town; Akhter Goolam Mahomed, Louis Pasteur Medical Center, Pretoria; Ronel Meeding, The Wits Donald Gordon Medical Centre, Johannesburg; Rajendran Moodley, Netcare Umhlanga Medical Centre, Durban; Naeem Moosa, Moosa N, Lenasia; Jeanne Nel, Tiervlei Trial Centre, Cape Town; Haylene Nell, Tiervlei Trial Centre, Cape Town; Frederick Johannes Van Niekerk, Mediclinic Heart Hospital, Pretoria; Mohammed Omar, Suite 1 Parklands Medical Centre, Durban; Nagassree Pillay, Seadoone Medical Centre, Durban; Maria Pretorius, Tiervlei Trial Centre, Cape Town; Hans Prozesky, Tread Research, Cape Town; Shantakumari Ramduth, Midrand Medical Centre, Midrand; Johannes Roos, Mediclinic Vergelegen, Western Cape; Mahomed Sarvan, Netcare Umhlanga Medical Centre, Durban; Mary Seeber, Mediclinic Heart Hospital, Pretoria; Mirna Siebert, Tiervlei Trial Centre, Cape Town; Pillay Somasundram, Seadoone Medical Centre, Durban; Andreas Stavrides, Union Hospital, Alberton; Frederick Johannes Van Niekerk, Mediclinic Heart Hospital, Pretoria; Nadia Venter, Tiervlei Trial Centre, Cape Town; Shahid Wadvalla, Moosa N, Lenasia.

Spain: Josefina Olivares Alcolea, Hospital Son Llàtzer, Palma de Mallorca; Aránztzazu Álvarez de Arcaya Vicente, Hospital Universitario Clínico San Carlos, Madrid; M^a Beatriz Pérez Arroyo, Quirónsalud Madrid University Hospital, Madrid; Enrique Romero Bobillo, Hospital Clínico Universitario de Valladolid, Castilla y Leon; M^a Manuela Buño, Hospital de A Coruña, La Coruña; José N. Carreira Arias, Hospital de A Coruña, La Coruña; Miguel Camafont Babkowski, Hospital Clínic de Barcelona, Barcelona; Daniel Cepero García, Clinica San Pedro, Almería; Luis Masmiquel Comas, Hospital Son Llàtzer, Palma de Mallorca; María José Coves Figueras, Hospital Clínic de Barcelona, Barcelona; Arturo Fernández-Cruz, Hospital Universitario Clínico San Carlos, Madrid; Carmen de la Cuesta Mayor, Hospital Universitario Virgen del Rocío Nuevas Tecnologías en Diabetes y Endocrinología S.L, Sevilla; Mónica Domenech Feria-Carot, Hospital Clínic de Barcelona, Barcelona; Ana M^a Fraide Fernández, Hospital de A Coruña, La Coruña; Manuel Ferreiro Gómez, Hospital de A Coruña, La Coruña; Clara García García, Nuevas Tecnologías en Diabetes y Endocrinología S.L, Sevilla; Emilio García Delgado, Hospital Universitario de Móstoles, Móstoles; Santiago Durán García, University Hospital Nuestra Señora de Valme, Sevilla; Luis A. Gómez Gómez, Hospital Son Llàtzer, Palma de Mallorca; Alfonso Soto González, Hospital de A Coruña, La Coruña; Cristina Hernán García, Hospital Clínico Universitario de Valladolid, Castilla y Leon Valladolid; M^a Ángeles Tapia Herrero, Hospital Universitario de Móstoles, Móstoles; Esteban Jodar Gimeno, Quirónsalud Madrid University Hospital, Madrid; Julia Quevedo Juanals, Hospital Son Llàtzer, Palma de Mallorca; Manuel López Jiménez, Hospital Universitario de Móstoles, Móstoles; Ferrán Masanes , Hospital Clínic de Barcelona, Barcelona; Ángel L. Marco Mur, Hospital Universitario de Móstoles, Móstoles; Margarita Navarro López, Hospital Clínic de Barcelona, Barcelona; Joana Nicolau Ramis, Hospital Son Llàtzer, Palma de Mallorca; Apolonia Gil Palmer, Clínica Rotger Hospital Son Llàtzer, Islas Baleares; Alfonso Calle Pascual, Hospital Universitario Clínico San Carlos, Madrid; Laura G. Romero Pérez, Hospital Universitario Clínico San Carlos, Madrid; Cristobal Morales Portillo, Hospital Universitario Virgen del Rocío Nuevas Tecnologías en Diabetes y Endocrinología S.L, Sevilla; Sergio Prieto González, Hospital Clínic de Barcelona, Barcelona; Pedro Mezquita Raya, Clinica San Pedro, Almería; Rebeca Reyes García, Clinica San Pedro, Almería; Tomás Ripoll Vera, Hospital Son Llàtzer, Palma de Mallorca; Carmen Rodríguez Castro, Hospital Universitario de Móstoles, Móstoles; Irene Rodríguez Rodríguez, Hospital Quirón Palmaplanas, Islas Baleares & Hospital Son Llàtzer, Palma de Mallorca; Emilio Sacanella Meseguer, Hospital Clínic de Barcelona, Barcelona; Isabel Serrano Olmedo, Nuevas Tecnologías en Diabetes y Endocrinología S.L, Sevilla; Alfonso Lopez Soto, Hospital Clínic de Barcelona, Barcelona; Fernando Toba Alonso, Hospital de A Coruña, La Coruña; Alberto Aliaga Verdugo, Nuevas

Tecnologías en Diabetes y Endocrinología S.L, Sevilla; Josep Vidal Cortada, Hospital Clínic de Barcelona, Barcelona; Luis Vigil Medina, Hospital Universitario de Móstoles, Móstoles.

Sweden: Eva Ackefelt-Frick, Universitetssjukhuset Örebro, Örebro; Helena Alfredsson, Karolinska Trial Alliance, Stockholm; Erik Beling, Karolinska Trial Alliance, Stockholm; Peter Benedek, Karolinska Universitetssjukhuset, Stockholm; Milita Crisby, Karolinska Trial Alliance, Stockholm; Mozgan Dorkhan, Endokrinologiska kliniken, Malmö; Tomasz Drescik, Universitetssjukhuset Örebro, Örebro; Katarina Eeg-Olofsson, Lundbergslaboratoriet för diabetesforskning, Sahlgrenska Universitetssjukhuset, Göteborg; Björn Eliasson, Lundbergslaboratoriet för diabetesforskning, Sahlgrenska Universitetssjukhuset, Göteborg; Ken Eliasson, Universitetssjukhuset Örebro, Örebro; Mats Eriksson, Karolinska Universitetssjukhuset, Stockholm; Peter Fardelin, Universitetssjukhuset Örebro, Örebro; Anna Fredholm, Karolinska Trial Alliance, Stockholm; Anders Frid, Endokrinologiska kliniken, Malmö; Kurt Gerok-Andersson, Karolinska Universitetssjukhuset, Stockholm; Lars Hjelmaeus, Citydiabetes, Stockholm; Andreas Hufnagl, Karolinska Trial Alliance, Stockholm; Ewa Jasinska, Universitetssjukhuset Örebro, Örebro; Ewa Kowalska, Universitetssjukhuset Örebro, Örebro; Pierre Lafolie, Karolinska Trial Alliance, Stockholm; Otto Lindquist, Karolinska Trial Alliance, Stockholm; Martin Lundvall, Universitetssjukhuset Örebro, Örebro; Eva Melander, Universitetssjukhuset Örebro, Örebro; Camilla Nicander, Universitetssjukhuset Örebro, Örebro; Linda Moris, Karolinska Trial Alliance, Stockholm; Bengt-Olov Tengmark, Citydiabetes, Stockholm; Martin Ridderstråle, Endokrinologiska kliniken, Malmö; Ulrika Saphir, Karolinska Trial Alliance, Stockholm; Pia Skagerberg, Karolinska Trial Alliance, Stockholm; Christian Steczkó-Nilsson, Universitetssjukhuset Örebro, Örebro; Björn Strandell, Universitetssjukhuset Örebro, Örebro; Ylva Tomson, Karolinska Trial Alliance, Stockholm.

Taiwan: Jeng-Yeou Chen, Chung Gung Medical Foundation-Linkou Branch 5, Gueishan, Taoyuan; Yu-Cheng Chen, Changhua Christian Hospital, Changhua; Chun-Yen Chiang, Chi Mei Medical Center, Tainan Tsuei-Yuan Huang, Chi Mei Medical Center, Tainan; Chien-Wen Chou, Chi Mei Medical Center, Tainan; Chun-Wei Ho, Kaohsiung Medical University Hospital, Kaohsiung; Pi-Jung Hsiao, Kaohsiung Medical University Hospital, Kaohsiung; Ming-Chia Hsieh, Changhua Christian Hospital, Changhua; Ray-Sea Hsu, Chung Gung Medical Foundation-Linkou Branch 5, Gueishan, Taoyuan; Shang Ren Hsu, Changhua Christian Hospital, Changhua; Chung-Huei Huang, Chung Gung Medical Foundation-Linkou Branch 5, Gueishan, Taoyuan; Yu-Yao Huang, Chung Gung Medical Foundation-Linkou Branch 5, Gueishan, Taoyuan; Wei-Wen Hung, Kaohsiung Medical University Hospital, Kaohsiung; Mei-Yueh Lee, Kaohsiung Medical University Hospital, Kaohsiung; Yang-Ming Lee, Changhua Christian Hospital, Changhua; Chen-Wei Lin, Chung Gung Medical Foundation-Linkou Branch 5, Gueishan, Taoyuan; Chia-Hung Lin, Chung Gung Medical Foundation-Linkou Branch 5, Gueishan, Taoyuan; Kun-Der Lin, Kaohsiung Medical University Hospital, Kaohsiung; Shi-Dou Lin, Changhua Christian Hospital, Changhua; Shu-Fu Lin, Chung Gung Medical Foundation-Linkou Branch 5, Gueishan, Taoyuan; Miaw-Jene Liou, Chung Gung Medical Foundation-Linkou Branch 5, Gueishan, Taoyuan; Wen-Tsung Lu, Chung Gung Medical Foundation-Linkou Branch 5, Gueishan, Taoyuan; Shyi-Jang Shin, Kaohsiung Medical University Hospital, Kaohsiung; Hon-Ke Sia, Changhua Christian Hospital, Changhua; Mu-Hsuan Su, Kaohsiung Medical University Hospital, Kaohsiung; Shih-Li Su, Changhua Christian Hospital, Changhua; Jui-Hung Sun, Chung Gung Medical Foundation-Linkou Branch 5, Gueishan, Taoyuan; Kai-Jen Tien, Chi Mei Medical Center, Tainan; Dong Hwa Tsai, Changhua Christian Hospital, Changhua; Sung-Sheng Tsai, Chung Gung Medical Foundation-Linkou Branch 5, Gueishan, Taoyuan; Shih-Te Tu, Changhua Christian Hospital, Changhua;

Chih-Ching Wang, Chung Gung Medical Foundation-Linkou Branch 5, Gueishan, Taoyuan; Shu Yi Wang, Changhua Christian Hospital, Changhua; Chwen-Yi Yang, Chi Mei Medical Center, Tainan; Feng Chieh Yen, Chi Mei Medical Center, Tainan.

Turkey: Abdurrahman Acikgoz, Haseki Training and Research Hospital, Istanbul; Sema Akalin, Marmara University Medical Faculty, Istanbul; Safak Akin, Hacettepe University Medical School, Ankara; Baris Akinci, Dokuz Eylul University Medical Faculty, Izmir; Aysen Akkurt, School of Medicine, Uludag University, Bursa; Mujde Akturk, Gazi University Faculty of Medicine, Ankara; Nihan Alkis, School of Medicine, Uludag University, Bursa; Ilker Altun, Ege University Medical School, Izmir; Hasan Ali Altunbas, Akdeniz University Medical Faculty, Antalya; Yuksel Altuntas, Sisli Etal Training and Research Hospital, Istanbul; Mustafa Araz, Gaziantep University Medical Faculty, Gaziantep; Sulbiye Aribas, Erciyes University Medical Faculty, Kayseri; Emre Arslan, Gazi University Faculty of Medicine, Ankara; Gulgun Arslan, Dr. Lutfi Kirdar Kartal Training and Research Hospital, Istanbul; Metin Arslan, Gazi University Faculty of Medicine, Ankara; Esra Hayriye Ataoglu, Haseki Training and Research Hospital, Istanbul; Faruk Ayan, Cerrahpasa Medical School, Istanbul University, Istanbul; Kadriye Aydin, Hacettepe University School of Medicine, Ankara; Berna Imge Aydogan, Ankara University School of Medicine, Ankara; Goksun Ayvaz, Gazi University Faculty of Medicine, Ankara; Muzyeyyen Arslan Bahadir, Goztepe Training and Research Hospital, Istanbul Medeniyet University, Istanbul; Mustafa Kemal Balci, Akdeniz University Medical Faculty, Antalya; Mehtap Navdar Basaran, Ankara Numune Training and Research Hospital, Ankara; Nilgun Baskal, Ankara University School of Medicine, Ankara; Melike Zehra Bugra, Istanbul Faculty of Medicine, Istanbul University, Istanbul; Mehmet Calan, Dokuz Eylul University Medical Faculty, Izmir; Umit Cavdar, Dokuz Eylul University Medical Faculty, Izmir; Faik Cetin, Haseki Training and Research Hospital, Istanbul; Nese Cinar, Hacettepe University School of Medicine, Ankara; Mehmet Colbay, Gazi University Faculty of Medicine, Ankara; Abdurrahman Comlekci, Dokuz Eylul University Medical Faculty, Izmir; Selcuk Dagdelen, Hacettepe University School of Medicine, Ankara; Taner Damci, Cerrahpasa Medical School, Istanbul University, Istanbul; Vedat Davutoglu, Gaziantep University Medical Faculty, Gaziantep; Mustafa Demir, Dr. Lutfi Kirdar Kartal Training and Research Hospital, Istanbul; Tevfik Demir, Dokuz Eylul University Medical Faculty, Izmir; Oguzhan Deyneli, Marmara University Medical Faculty, Istanbul; Irem Dincer, Ankara University School of Medicine, Ankara; Burcu Dogan, Goztepe Training and Research Hospital, Istanbul Medeniyet University, Istanbul; Kadriye Yesim Kanipek Doker, Haseki Training and Research Hospital, Istanbul; Ismail Engin, Haseki Training and Research Hospital, Istanbul; Ayten Eraydin, Gaziantep University Medical Faculty, Gaziantep; Tomris Erbas, Hacettepe University School of Medicine, Ankara; Murat Faik Erdogan, Ankara University School of Medicine, Ankara; Canan Ersoy, School of Medicine, Uludag University, Bursa; Arzu Gedik, Dokuz Eylul University Medical Faculty, Izmir; Ferhat Gokay, Ankara Numune Training and Research Hospital, Ankara; Ozen Oz Gul, School of Medicine, Uludag University, Bursa; Serdar Guler, Ankara Numune Training and Research Hospital, Ankara; Tugba Gumus, Dokuz Eylul University Medical Faculty, Izmir; Elif Gunes, School of Medicine, Uludag University, Bursa; Mehmet Yavuz Gurler, Sisli Etal Training and Research Hospital, Istanbul; Esra Hatipoglu, Cerrahpasa Medical School, Istanbul University, Istanbul; Hasan Ilkova, Florence Nightingale Hospital, Istanbul; Ozlem Turhan Iyidir, Gazi University Faculty of Medicine, Ankara; Giray Kabakci, Hacettepe University Medical School, Ankara; Berrin Karadag, Sisli Etal Training and Research Hospital, Istanbul; Guzin Karatemiz, Sisli Etal Training and Research Hospital, Istanbul; Alper Cagri Karci, Ankara Numune Training and Research Hospital, Ankara; Emine Kartal, Ege University Medical School, Izmir; Ergun Baris Kaya, Hacettepe University Medical School, Ankara; Caglar Keskin, Ankara University School of Medicine, Ankara; Ela

Fatma Keskin, Cerrahpasa Medical School, Istanbul University, Istanbul; Gokcen Kocabas, Ege University Medical School, Izmir; Feride Kocak, Goztepe Training and Research Hospital, Istanbul Medeniyet University, Istanbul; Aylin Kamut Kol, Sisli Etfal Training and Research Hospital, Istanbul; Hakan Korkmaz, Gaziantep University Faculty of Medicine, Gaziantep; Ferit Kerim Kucukler, Ankara Numune Training and Research Hospital, Ankara; Banu Alpaslan Mesci, Goztepe Training and Research Hospital, Istanbul Medeniyet University, Istanbul; Aytekin Oguz, Istanbul Medeniyet University, Goztepe Training and Research Hospital, Istanbul; Ekrem Orbay, Dr. Lutfi Kirdar Kartal Training and Research Hospital, Istanbul; Hasan Oz, Dr. Lutfi Kirdar Kartal Training and Research Hospital, Istanbul; Nazan Demir Ozcan, Sisli Etfal Training and Research Hospital, Istanbul; Sadi Ozdem, Akdeniz University Medical Faculty, Antalya; Secil Ozisik, Dokuz Eylul University Medical Faculty, Izmir; Cigdem Ozkan, Gazi University Faculty of Medicine, Ankara; Muge Ozsan, Gaziantep University Medical Faculty, Gaziantep; Mucahit Ozyazar, Cerrahpasa Medical School, Istanbul University, Istanbul; Hayri Parlar, Florence Nightingale Hospital, Istanbul; Haluk Sargin, Dr. Lutfi Kirdar Kartal Training and Research Hospital, Istanbul; Mehmet Sargin, Dr. Lutfi Kirdar Kartal Training and Research Hospital, Istanbul; Ilhan Satman, Istanbul Faculty of Medicine, Istanbul University, Istanbul; Fusun Saygili, Ege University Medical School, Izmir; Alev Selek, Marmara University Faculty of Medicine, Istanbul; Yasin Simsek, Erciyes University Medical Faculty, Kayseri; Pinar Sisman, School of Medicine, Uludag University, Bursa; Kubra Solmaz, Haseki Training and Research Hospital, Istanbul; Cahide Soydas, Ege University Medical School, Izmir; Serkan Tatliagac, Florence Nightingale Hospital, Istanbul; Ismet Tamer, Dr. Lutfi Kirdar Kartal Training and Research Hospital, Istanbul; Sule Temizkan, Marmara University Medical Faculty, Istanbul; Cansin Tulunay, Ankara University School of Medicine, Ankara; Ercan Tuncel, School of Medicine, Uludag University, Bursa; Fulya Turker, Istanbul Faculty of Medicine, Istanbul University, Istanbul; Kursat Unluhizarci, Erciyes University Medical Faculty, Kayseri; Ugur Unluturk, Ankara University School of Medicine, Ankara; Meliha Melin Uygur, Marmara University Medical Faculty, Istanbul; Buket Vatansever, Dr. Lutfi Kirdar Kartal Training and Research Hospital, Istanbul; Dilek Yazici, Marmara University Medical Faculty, Istanbul; Dilek Gogas Yavuz, School of Medicine, Marmara University, Istanbul; Serkan Yener, Dokuz Eylul University Medical Faculty, Izmir; Mustafa Yenigun, Haseki Training and Research Hospital, Istanbul; Merve Yilmaz, Dokuz Eylul University Medical Faculty, Izmir.

United Arab Emirates: Saira Abbas, Diabetology Unit, Rashid Hospital, Dubai; Fatheya Alawadi, Dubai Hospital, Dubai; Azza Abdul Aziz, Dubai Hospital, Dubai; Alaaeldin Bashier, Dubai Hospital, Dubai; Khadija Hafidh, Rashid Hospital, Dubai; Ghaida Kaddaha, Rashid Hospital, Dubai; Fauzia Rashid, Dubai Hospital, Dubai.

United Kingdom: Prakash Abraham, Aberdeen Royal Infirmary, Aberdeen; Karen Adamson, St John's Hospital, Livingston; Steve Atkin, Michael White Centre for Diabetes & Endocrinology, Hull Royal Infirmary, Hull; Myint Aye, Michael White Centre for Diabetes & Endocrinology, Hull Royal Infirmary, Hull; Mohammad Azam, Diabetes Centre, Birmingham Heartlands Hospital, Birmingham; S Bain, Clinical Trials Unit, Morriston Hospital, Morriston; AH Barnett, Diabetes Centre, Birmingham Heartlands Hospital, Birmingham; Srikanth Bellary, Diabetes Centre, Birmingham Heartlands Hospital, Birmingham; Ketan Dhatariya, University of East Anglia, Norwich; Mike Eaton, Diabetes Clinical Research Unit, Plymouth Science Park, Plymouth; Patrick English, Derriford Hospital, Plymouth; Jane Ewing, University of East Anglia, Norwich; Niall Furlong, Diabetes & Endocrinology Centre, Whiston Hospital, Preston; Martin Gibson, Clinical Science Building, Salford Royal Hospital Foundation Trust, Salford; Darren Green, Salford Royal NHS Foundation Trust, Salford; Roselle Herring, Cedar Centre, Royal Surrey County Hospital, Guildford; Victoria

Hordern, The Royal Surrey County Hospital, Guildford; Alan Jaap, Royal Infirmary of Edinburgh, Edinburgh; Zeesham Javed, Michael White Centre for Diabetes & Endocrinology, Hull Royal Infirmary, Hull; Andrew Johnson, Southmead Hospital, Westbury on Trym; Judit Konya, Michael White Centre for Diabetes & Endocrinology, Hull Royal Infirmary, Hull; Sudesh Kumar, Diabetes and Metabolism Unit, Coventry & Warwick Hospital, Coventry; Robert Lindsay, BHF Glasgow Cardiovascular Research Centre, University of Glasgow, Glasgow; Alasdair Mackie, Diabetes Support Unit, Ninewells Hospital, Dundee; Stephen McGlynn, Salford Royal Hospital Foundation Trust, Salford; Joyce McKenzie, Diabetes Centre, The New Stobhill Hospital, Glasgow; Ann Millward, Derriford Hospital, Plymouth; N. Murthy, Warwickshire Institute for Diabetes, Endocrinology and Metabolism Centre, University Hospital Coventry & Warwickshire NHS Trust, Coventry; Richard Paisey, Torbay Hospital, Torquay; Ewan Pearson, Ninewells Hospital and Medical School, Dundee; Milan Piya, University Hospitals Coventry and Warwickshire NHS Trust, Coventry; Mike Ramell, Royal Devon & Exeter Hospital, Exeter; Doug Robertson, Diabetes Centre, Sandwell General Hospital, West Bromwich; David Russell-Jones, The Cedar Centre, Royal Surrey County Hospital, Guildford; Ponnusamy Saravanan, Diabetes and Endocrinology Centre, George Eliot Hospital NHS Trust, Nuneaton; Thozhukat Sathyapalan, Michael White Centre for Diabetes & Endocrinology, Hull Royal Infirmary, Hull; Jayadave Shakher, Diabetes Centre, Birmingham Heartlands Hospital, Birmingham; Hannah Shiels, Torbay Hospital, Torquay; Subash Sivaraman, University Hospitals Coventry and Warwickshire NHS Trust, Coventry; Jamie Smith, Torbay Hospital, Torquay; Upendram Srinivas-Shankar, Diabetes Centre, St. Helens Hospital, Merseyside; J Stokes, Derriford Hospital, Plymouth; Inessa Tracey, Diabetes Centre, Sandwell General Hospital, West Bromwich; Bijay Vaidya, Royal Devon & Exeter Hospital, Wonford; Michael Yee, Metabolic Medicine, St Mary's Hospital, London; Prasad Yemparala, Diabetes Centre, Birmingham Heartlands Hospital, Birmingham; James Walker, St John's Hospital, Livingston; Peter Wiggins, Castlemilk Health Centre, Glasgow; Jane Williams, Diabetes Centre, Hospital of St Cross, Rugby; John Wright, Cedar Centre, Royal Surrey County Hospital, Guildford.

United States: Sayed Aamir, University Specialty Clinics, Columbia; Michelle Ababa, Anaheim Clinical Trials, Anaheim; Marconi Abreu, UT Southwestern Medical Center, Dallas; Derick Adams, Lexington VA Medical Center, Lexington; Penny Adams, Station Medical Center, Altoona; Joy Aden, Northeast Clinical Research Center, Bethlehem; Diana Aguilar, Catalina Research Institute, Chino; Ana Aguilera, Facey Medical Group, Mission Hills; Afiya Ahmed, Apex Medical Research Inc, Chicago; Azazuddin Ahmed, Apex Medical Research Inc, Chicago; Bilal Ahmed, Central Florida Medical Associates, Orange City; Intekhab Ahmed, Thomas Jefferson University Hospitals, Philadelphia; Atif Akhtar, Northwest Heart Center, Tomball; Bruce Akright, Northeast Clinical Research Center, Bethlehem; Laura Akright, Northeast Clinical Research Center, Bethlehem; Cesar Albarracin, Corpus Christi Memorial Hospital, Corpus Christi; Sara Albert, FPA Clinical Research, Kissimmee; Shamasa Ali, Tulane University School of Medicine, New Orleans; Bushra Aliuddin, Apex Medical Research Inc, Chicago; Afrah Almasmary, Alzohaili Medical Consultants, Dearborn; Abdulmalek Al-Maweri, Alzohaili Medical Consultants, Dearborn; Opada Alzohaili, Medical Consultants, Dearborn; William Amador, University Specialty Clinics, Columbia; Maged Amine, Northwest Heart Center, Tomball; Sami Amini, Narbonne Medical, Lomita; Marshall Anderson, Kernodle Clinic Inc, Burlington; Linda Anderson, The Christ Hospital Lindner Research Center, Cincinnati; Robert Anderson, Veterans Affairs Medical Center, Omaha; Maria Andrews, Covenant Clinical Research, San Antonio; Jose Angel, Iowa Diabetes & Endocrinology Center, Des Moines; Wissam Anteer, Alzohaili Medical Consultants, Dearborn; Vincent Anthony, American Institute of Research, Los Angeles; Arturo Antillon,

American Institute of Research, Los Angeles; Penny Anzures, Veterans Affairs Medical Center, Omaha; Sirlys Arcon-Rios, OUHSC: Diabetes and Endocrinology, Oklahoma City; David Arkin, Physicians Research Associates LLC, Lawrenceville; Bassam Arodak, OUHSC: Diabetes and Endocrinology, Oklahoma City; Louis Aronne, Comprehensive Weight Control Center, New York; Stephen Aronoff, Research Institute of Dallas, Dallas; Guadalupe Arreola, Facey Medical Group, Mission Hills; Sonia Arroyo, 400 North Medical Center, Michigan City; Sunil Asnani, Jersey Shore University Medical Center, Neptune; Gwendolyn Astudillo-Tee, Dignity Health - Chandler Regional Medical Center, Chandler; Susan Ault, Awasty Research Network, Marion; Barry Austin, Preferred Primary Care Physicians, Pittsburgh; Veronica Avila, Orange County Senior Care Clinical Trials, Tustin; Nicholas Avitabile, Tulane University School of Medicine, New Orleans; Vivek Awasty, Awasty Research Network, Marion; Vivek Awasty, OhioHealth Marion Area Physicians, Marion; Madona Azar, University of Oklahoma College of Medicine Internal Medicine, Oklahoma City; Ammara Aziz, OUHSC: Diabetes and Endocrinology, Oklahoma City; Pouya Bahrami, American Institute of Research, Los Angeles; Mirza Baig, Paramount Medical Research & Consulting, Cleveland; Kimberly Bailey, Christ Hospital Lindner Research Center, Cincinnati; Timothy Bailey, AMCR Institute Inc, Escondido; Mary Baker, University Of Oklahoma College Of Medicine, Oklahoma City; Narinder S. Bala, Bala and Khaira Medical Center, Fresno; Idelisse Balbes-Reyes, Eastern Consulting Group Inc, Humacao; David Baldwin, Rush University Medical Center, Chicago; Elisa Baldwin, Awasty Research Network, Marion; Tracy Balentine, Meridien Research, Tampa; Thomas Ballard, Mountain View Clinical Research, Greer; Kemal Baloch, Northwest Houston Cardiology, Houston; Salomon Banarer, Dallas Diabetes & Endocrine Center, Dallas; Cheryl Baney, Blair Medical Associates Inc, Station Medical Center, Altoona; Ajaz Banka, Tulane University School of Medicine, New Orleans; Linda Barber, Lexington VA Medical Center, Lexington; Mark Barber, Professional Clinical Research, Interlochen; Timothy Barker, Research Institute of the Carolinas, Mooresville; Kristie Barnes, Physicians East Endocrinology, Greenville; Otis Barnum, Natchitoches Medical Specialists, Natchitoches; Joel Barra, American Institute of Research, Los Angeles; Anthony Bartkowiak, Blair Medical Associates Inc, Altoona; Giovanni Baula, Westcoast Primary Care, St. Petersburg; Angela Bautista, AMCR Institute Inc, Escondido; Robert Bayliss, Internal Medicine Associates of Greenville, Greenville; Melissa Beaman, Facey Medical Group, Mission Hills; Karen Beatty, University of Louisville Physicians, Louisville; Judith Becker, Paramount Medical Research & Consulting, Cleveland; Laura Bedolla, AMCR Institute Inc, Escondido; Paula Belejchak, Preferred Primary Care Physicians, Pittsburgh; Amy Bell, University of Tennessee Health Science Center, Memphis; Magali Beltran, Radiant Research Inc, Chicago; Christine Belucher, Blair Medical Associates Inc, Altoona; Erin Bensfield, Orange County Senior Care Clinic Tustin; Julia Benton, Blair Medical Associates Inc, Altoona; Richard Bergenstal, International Diabetes Center, Minneapolis; Bradford Bergman, Benefis Medical Group, Great Falls; Martha Berry, Arthritis & Diabetes Clinic, Monroe; Kirsten Bettino, Narbonne Medical, Lomita; Matthew Beyea, Clinical Study Center of Asheville, Asheville; Anuj Bhargava, Iowa Diabetes & Endocrinology Center, Des Moines; Arjun Bhattacharya, Medex HealthCare Research, St. Louis; Alistaire Bilas, Anaheim Clinical Trials, Anaheim; Lindsay Bischoff, Thomas Jefferson University Hospitals, Philadelphia; Lacey Bixler, OUHSC: Diabetes and Endocrinology, Oklahoma City; Susan Bizjack, Paramount Medical Research & Consulting, Cleveland; Roy Blank, Novant Health Southern Piedmont, Monroe; Robert Blankfield, Paramount Medical Research & Consulting, Cleveland; Louba Block, Thomas Jefferson University Hospitals, Philadelphia; James Bloodworth, Internal Medicine Associates of Greenville, Ann Arbor; Kerri Bloomberg, Dignity Health - Chandler Regional Medical Center, Chandler; Robert Bloomberg, Dignity Health - Chandler Regional Medical Center, Chandler; Joy Blustin, Facey Medical Group, Mission Hills; Ivica Boban, Thomas Jefferson University Hospitals, Philadelphia; Alicia Bolden, Maxine Hamilton PA, Fort Lauderdale; Otilia

Boncu, Midwest Endocrinology, Crystal Lake; Patricia Bookless, Southern New Hampshire Diabetes and Endocrinology, Nashua; Christina Brassie, Internist Associates of Central New York Crouse Medical Practice, Manlius; Donald Brautigam, Great Lakes Medical Research, Westfield; Peter Bressler, North Texas Endocrine Center, Dallas; Rose Brewster, Innovative Research of West Florida, Clearwater; Christina Brown, Heritage Valley Medical Group, Beaver; Cynthia Brown, Southeastern Endocrine & Diabetes, Roswell; Debra Brown, Endocrine and Psychiatry Center, Houston; Flossine Brown, Union Memorial Hospital, Baltimore; Mary Bruskewitz, University of Wisconsin School of Medicine and Public Health, Madison; Dawn Bryant, Endocrine and Psychiatry Center, Houston; Cyndi Buchanan, Medex HealthCare Research, St. Louis; Nicole Buchanan, Blair Medical Associates Inc, Altoona; Genena Buck, Physicians East Endocrinology, Greenville; Sharon Buckley, OUHSC: Diabetes and Endocrinology, Oklahoma City; Jacqueline Bueno, Midwest Endocrinology, Crystal Lake; Deborah Burke, Innovative Research of West Florida, Clearwater; Kathryn Burton, Cincinnati VA Medical Center, Cincinnati; John Buse, UNC Diabetes Care Center, Chapel Hill; Sherry Buske, Iowa Diabetes & Endocrinology Center, Des Moines; William Byars, Mountain View Clinical Research, Greer; Robin Bye, Tulane University School of Medicine, New Orleans; Ronald Caldwell, Clinical Study Center of Asheville, Asheville; Krystle Calvin, 400 North Medical Center, Michigan City; Rolando Camacho, Monterey Bay Family Physicians, Watsonville; Edward Campbell, Research Institute of the Carolinas, Mooresville; Daniel Cannon, Clinical Study Center of Asheville, Asheville; Janette Cantrell, Tampa Clinical Research, Tampa; Jonathan Caplan, Florida Diabetes/Endocrine Center, Orlando; Carlos Cardenas, Northeast Clinical Research Center, Bethlehem; Jamie Carlton, Alzohaili Medical Consultants, Dearborn; Gandahari Carpio, Tulane University School of Medicine, New Orleans; Anne Carroll, Paramount Medical Research & Consulting, Cleveland; Laurie Cartwright, Orange County Senior Care Clinic, Tustin; Gerardo Casanova, Apex Medical Research Inc, Chicago; Lorena Castaneda, Martin Diagnostic Clinic, Tomball; Martha Castle, Internist Associates of Central New York Crouse Medical Practice, Manlius; LouAnn Castro, Northeast Clinical Research Center, Bethlehem; Jennifer Catangay, Linda Vista Health Care Center, San Diego; Sushela Chaidarun, Dartmouth-Hitchcock Medical Center, Lebanon; Joseph Chambers, Facey Medical Group, Mission Hills; Thomas Chambliss, Internal Medicine Associates of Greenville, Ann Arbor; Lokesh Chandra, Apex Medical Research Inc, Chicago; Alvin Chang, Orange County Senior Care Clinic, Tustin; Simon Chang, Orange County Senior Care Clinic, Tustin; Jordan Chappel, FPA Clinical Research, Kissimmee; Christopher Chappel, FPA Clinical Research, Kissimmee; Tierra Chappell, Maxine Hamilton PA, Fort Lauderdale; Carmina Charles, Medical University of South Carolina, Charleston; Alberto Chavira, AMCR Institute Inc, Escondido; Louis Chaykin, Meridien Research, St. Petersburg; Ellen Check, Louis Stokes Cleveland VA Medical Center, Cleveland; Lambert Chee, Diablo Clinical Research, Walnut Creek; Junping Chen, University of Oklahoma College of Medicine, Oklahoma City; Aaron Chestnut, University Specialty Clinics, Columbia; June Chiarot, Great Lakes Medical Research, Westfield; Niyati Chiniwala, Thomas Jefferson University Hospitals, Philadelphia; James Choe, OUHSC: Diabetes and Endocrinology, Oklahoma City; Mark Christiansen, Diablo Clinical Research, Walnut Creek; Steven Chrzanowski, Benefis Med Spa, Great Falls; Ellie Chuang, Southern New Hampshire Diabetes and Endocrinology, Nashua; Leonard Chuck, Diablo Clinical Research, Walnut Creek; Julie Clyatt, Florida Diabetes/Endocrine Center, Orlando; Barry Cohan, Great Falls Clinic, Great Falls; Barry Cohan, Benefis Med Spa, Great Falls; Robert Cohen, University of Cincinnati College of Medicine, Cincinnati; Richard Comi, Dartmouth-Hitchcock Medical Center, Lebanon; Angel Comulada-Rivera, Instituto De Endocrinologia Diabetes, Levittown; Kathi Conner, Harrison Community Hospital, Cadiz; Gordon Connor, Radiant Research Inc, Birmingham; Rosa Contreras, Anaheim Clinical Trials, Anaheim; Karen Cook, Physicians Research Associates LLC, Lawrenceville; Robin Cook, Novant Health Southern Piedmont, Monroe; Richard Cook, Preferred Primary

Care Physicians, Uniontown; Clinton Corder, COR Clinical Research, Oklahoma City; Brenda Cornejo Sr., Catalina Research Institute, Chino; Lisa Cornette, Southern New Hampshire Diabetes and Endocrinology, Nashua; Guadelupe Cortes, Facey Medical Group, Mission Hills; Lenore Cortez, Southern New Hampshire Diabetes and Endocrinology, Nashua; Carole Cox, Crescent City Clinical Research, Metairie; Gabriela Cox, Louis Stokes Cleveland VA Medical Center, Cleveland; William Craig, Internal Medicine Associates of Greenville, Ann Arbor; Bethany Cramer, Louis Stokes Cleveland VA Medical Center, Cleveland; Carol Cromer, Tampa Clinical Research, Tampa; Michael Cromer, Tampa Clinical Research, Tampa; Robert Cuddihy, International Diabetes Center, Minneapolis; Dawn Culmer, UNC Diabetes Care Center, Chapel Hill; Dawn Culmer, UNC Diabetes Care Center, Chapel Hill; Hope Curran, Radiant Research Inc, Chicago; Miriam Curran, Suncoast Medical Center, St. Petersburg; Catherine Dadis, Benefis Med Spa, Great Falls; Samuel Dagogo-Jack, University of Tennessee Health Science Center, Memphis; Ismail Dairywala, Northwest Heart Center, Tomball; David D'Alessio, University of Cincinnati College of Medicine, Cincinnati; Gregory Damberg, International Diabetes Center, Minneapolis; Andy Dang, Facey Medical Group, Mission Hills; Karen Daniel, Endocrine and Psychiatry Center, Houston; Michael Davidson, Radiant Research Inc, Chicago; Trent Davis, AMCR Institute Inc, Escondido; John Dean, Clinical Study Center of Asheville, Asheville; Rowan DeBold, International Diabetes Center, Minneapolis; Peggy Deitz, Clinical Study Center of Asheville, Asheville; Maria Del, Pilar Solano Diabetes Research Institute University of Miami, Miami; David Delaney, Great Falls Clinic, Great Falls; Elizabeth Delgado, Anaheim Clinical Trials, Anaheim; Michael DeMicco, Anaheim Clinical Trials, Anaheim; Mary Ann DeMuro, University of Louisville Hospital, Louisville; Dina DeSalle, Heritage Valley Medical Group, Beaver; Cyrus Desouza, Veterans Affairs Medical Center, Omaha; Karthikeya Devireddy, KD Medical Group Inc, Columbia; Benjamin DeVries, Innovative Research of West Florida, Clearwater; Milana Dezube, UNC Diabetes Care Center, Chapel Hill; Isam Diab, Paramount Medical Research & Consulting, Cleveland; Amy Diesburg-Stanwood, Denver VA Medical Center, Denver; Julia Dilliard, North Texas Endocrine Center, Dallas; Jessica Dilling, Blair Medical Associates Inc, Altoona; Jaime Diner, UNC Diabetes Care Center, Chapel Hill; Katherine Dishongh, John L. McClellan Memorial Veterans Hospital, Little Rock; Regina Dodis, Norwalk Medical Group, Norwalk; Christina Doing, Mercy Medical Research Institute, Springfield; Warren Doll, Union Memorial Hospital, Baltimore; Amanda Donoho, Holston Medical Group, Kingsport; Daniel Donovan, Mount Sinai Hospital, New York; Nathan Doremus, American Institute of Research, Los Angeles; Steven Dorfman, Research Institute Of Dallas, Dallas; Pinal Doshi, Pioneer Medical Group, Cerritos; Jean Dostou, UNC Diabetes Care Center, Chapel Hill; Jean Dostou, Highgate Specialty Center, Durham; Delaine Douglas, Grunberger Diabetes Institute, Bloomfield Hills; Desiree Douglas, Meridien Research, St. Petersburg; Michelle Dowell, Meridien Research, St. Petersburg; Erika Driver, Radiant Research Inc, Chicago; Haiming Du, University of Tennessee Health Science Center, Memphis; Robert DuBose III, Internal Medicine Associates of Greenville Ann Arbor; Michelle Duclos, UNC Diabetes Care Center, Chapel Hill; Michelle Duclos, UNC Diabetes Care Center, Chapel Hill; Kelly Dunn, Tampa Clinical Research, Tampa; Terry Dunnam, Research Institute Of Dallas, Dallas; Nancy Durham, Mountain View Clinical Research, Greer; Lyndsey Dye, Lexington VA Medical Center, Lexington; Donald Eagerton, Carolina Health Specialists, Myrtle Beach; Sotonte Ebenibo, University of Tennessee Health Science Center, Memphis; Chimaroke Edeoga, University of Tennessee Health Science Center, Memphis; Gina Edwards, Panacea Clinical Research, San Antonio; James Ekwensi, University of Tennessee Health Science Center, Memphis; Imad El Asmar, American Institute of Research, Los Angeles; Nabil El Sayad, Narbonne Medical, Lomita; Christopher Eliopoulos, UK HealthCare Kentucky Clinic, Lexington; Myriam Elkosseifi, OUHSC: Diabetes and Endocrinology, Oklahoma City; Ryanne Elmer, OUHSC: Diabetes and Endocrinology, Oklahoma City; Miles Elmore, Clinical Study Center of

Asheville, Asheville; Diane Elson, University of Wisconsin School of Medicine and Public Health, Madison; Louna El-Zein, University Specialty Clinics, Columbia; Laurie Emmert, Meridien Research, St. Petersburg; Lee Erbe, Medical University of South Carolina, Charleston; Susie Estes, Endocrine and Psychiatry Center, Houston; Aristides Estrada, Internal Medicine of Morris County, Dover; Tricia Eveleigh, Crouse Medical Practice, Syracuse; Brian Everhart, Heritage Valley Medical Group, Beaver; Fred Faas, John L. McClellan Memorial Veterans Hospital, Little Rock; Carri Faircloth, Research Institute of the Carolinas, Mooresville; Mildred Farmer, Meridien Research, Brooksville; Karen Fehr, Suncoast Medical Center, St. Petersburg; Tanya Ferguson, Orange County Senior Care Clinic, Tustin; Joytika Fernandes, Medical University of South Carolina, Charleston; Kristin Ferree, Diabetes & Endocrinology Consultants, Morehead; Beth Ferrington, Arthritis & Diabetes Clinic, Monroe; Stacey Fitzgibbons, Crouse Medical Practice, Syracuse; Margeret Fitzhugh, Natchitoches Medical Specialists, Natchitoches; Rosaliee Fitzsimmons, Suncoast Medical Center, St. Petersburg; Donna Flanders, North Texas Endocrine Center, Dallas; Maryalice Flores, Northeast Clinical Research Center, Bethlehem; Edith Flores, Facey Medical Group, Mission Hills; John Flores, Facey Medical Group, Mission Hills; Maryalice Flores, Northeast OB/GYN Associates Schertz; Christine Florida, Anaheim Clinical Trials, Anaheim; Jacob Flynn, Professional Clinical Research, Interlochen; Pink Folmar, Radiant Research Inc, Birmingham; Ray Forbes, Crouse Medical Practice, Syracuse; Wanissa Ford, Rush University Medical Center, Chicago; Michael Fowler, Vanderbilt University Medical Center, Nashville; Ann Fraker, Greater Baltimore Medical Center, Baltimore; Spencer Francis, Physicians Group, Little Rock; Edgardo Franco-Cotto, Eastern Consulting Group Inc, Humacao; Corina Fratila, Greater Baltimore Medical Center, Baltimore; Martiza Fuentes, Suncoast Medical Center, St. Petersburg; Robert Galagan, Tulane University School of Medicine, New Orleans; Allison Galloway, OUHSC: Diabetes and Endocrinology, Oklahoma City; Michelle Garcia, American Institute of Research, Los Angeles; Ronald Garcia, Covenant Clinical Research, San Antonio; Martha Garriott, University of Tennessee Health Science Center, Memphis; Joseph Garza, Northeast Clinical Research Center, Bethlehem; Nicole Gass, Apex Medical Research Inc, Chicago; Sabrena Gates, Emory Clinic at Emory Saint Joseph's, Atlanta; Sarah Gates, Louis Stokes Cleveland VA Medical Center, Cleveland; Mary Geary, Innovative Research of West Florida, Clearwater; Katharine Geiger, Blair Medical Associates Inc, Altoona; Jennifer Geishauser, Blair Medical Associates Inc, Altoona; Anthony Giglio, Mercy Medical Research Institute, Springfield; Matthew Gilbert, University of Vermont Medical Center, Burlington; Sarah Godwin, Physicians East Endocrinology, Greenville; Bebe Goetter, Eastern Shore Medical Specialists, Fairhope; April Goley, UNC Diabetes Care Center, Chapel Hill; Laura Golici, UT Southwestern Medical Center, Dallas; Elisabeth Gomori, Medex Healthcare Research, New York; Jody Gonzales, Benefis Med Spa, Great Falls; Ashwini Gore, Medical University of South Carolina, Charleston; Timothy Gorman, Great Lakes Medical Research, Westfield; Albina Gosmanova, University of Oklahoma College of Medicine, Oklahoma City; Ketan Goswami, Physicians Research Associates LLC, Lawrenceville; Ann Gotham, University of Vermont Medical Center, Burlington; James Govoni, Panacea Clinical Research, San Antonio; Steven Graddick, Internal Medicine Associates of Greenville, Ann Arbor; Tiffany Grant, Radiant Research Inc, Chicago; Amanda Greca, OUHSC: Diabetes and Endocrinology, Oklahoma City; Carrie Green, DCOL Center for Clinical Research, Longview; Kathleen Greenbaum, Christiana Medical Aid Unit, Newark; James Greenwald, Medex Healthcare Research, New York; Daniel Grover, Internal Medicine Associates of Greenville, Ann Arbor; George Grunberger, Grunberger Diabetes Institute, Bloomfield Hills; Michael Guice, American Institute of Research, Los Angeles; David Guirao, Internal Medicine Associates of Greenville, Ann Arbor; Vijayasudha Gunna, Southeastern Endocrine & Diabetes, Roswell; Nina Guseva, Southern New Hampshire Diabetes and Endocrinology, Nashua; Thu Ha, Linda Vista Health Care Center, San Diego; Anjani Hagan, Louis Stokes Cleveland

VA Medical Center, Cleveland; Shelton Hager, Holston Medical Group, Kingsport; Amina Haggag, Anaheim Clinical Trials, Anaheim; Michelle Haggard, Tulane University School of Medicine, New Orleans; Maxine Hamilton, Maxine Hamilton PA, Fort Lauderdale; Melinda Hamilton, Medex HealthCare Research, St. Louis; Judy Hammond, Carolina Health Specialists, Myrtle Beach; Ashley Hansen, Optimum Clinical Research, Salt Lake City; Wendy Harrell, Mountain View Clinical Research, Greer; Elizabeth Harris, UNC Diabetes Care Center, Chapel Hill; Kathi Harris, OhioHealth Marion Area Physicians, Marion; Mary Harris, Naidu Clinic, Odessa; Lindsay Harrison, University of Texas Southwestern Medical Center, Dallas; Israel Hartman, Dr. Israel A. Hartman MD Clinical Practice, Dallas; Adrienne Hatch, Meridien Research, Brooksville; Daniel Hayes, University of Michigan Comprehensive Cancer Center, Ann Arbor; Michael Hayes, Awasty Research Network, Marion; Judy Heath, Internal Medicine Associates of Greenville, Ann Arbor; April Heinzman, Facey Medical Group, Mission Hills; Mary Hendrick, Meridien Research, St. Petersburg; Roberta Herbst, Professional Clinical Research, Interlochen; Kathie Hermayer, Medical University of South Carolina, Charleston; Janet Hibbard, Lexington VA Medical Center, Lexington; WD Hill, Northeast Clinical Research Center, Bethlehem; Belinda Hilliard, AM Diabetes & Endocrinology Center, Bartlett; Matthew Hix, University Specialty Clinics, Columbia; Brian Hoch, Medex Healthcare Research, New York; Priscilla Hollander, Baylor Endocrine Center, Dallas; Zella Holmes, Mercy Medical Research Institute, Springfield; Catherine Horobetz, University of Tennessee Health Science Center, Memphis; Rivkah Horowitz, Greater Baltimore Medical Center, Baltimore; Paul Hsieh, Orange County Senior Care Clinic, Tustin; Sue Hsieh, Dignity Health - Chandler Regional Medical Center, Chandler; Wynn Htun, Tulane University School of Medicine, New Orleans; Jimmy Huang, American Institute of Research, Los Angeles; Christine Huber, Christ Hospital Lindner Research Center, Cincinnati; Tina Hudson, DCOL Center for Clinical Research, Longview; Sulmarur Huizar, Facey Medical Group, Mission Hills; Beatrice Hull, Medical University of South Carolina, Charleston; Jenny Hull, Preferred Primary Care Physicians, Pittsburgh; Kimberly Hummer, OUHSC: Diabetes and Endocrinology, Oklahoma City; Ripudaman Hundal, Christiana Medical Aid Unit, Newark; Gloria Hunt, Awasty Research Network, Marion; Vickie Hunt, Medical University of South Carolina, Charleston; Phillip Hutchinson, University Specialty Clinics, Columbia; Jai Hwang, Internal Medicine Associates of Greenville, Ann Arbor; Anthony Iannamorelli, Preferred Primary Care Physicians, Uniontown; Lisa Iannuzzi, Endocrine Associates of Long Island, Smithtown; Michelle Ingram, Veterans Affairs Medical Center, Omaha; Nazia Iram, Northwest Houston Cardiology, Houston; Faramarz Ismail-Beigi, University Hospitals Case Medical Center, Cleveland; Faramarz Ismail-Beigi, CWRU School of Medicine, Cleveland; Serge Jabbour, Thomas Jefferson University Hospitals, Philadelphia; Timothy Jackson, Heritage Valley Medical Group, Beaver; Luzmaria Jaen, Paramount Medical Research & Consulting, Cleveland; Vandana Jain, Radiant Research Inc, Chicago; Roya Jannesari, AMCR Institute Inc, Escondido; Victoria Januski, Physicians East Endocrinology, Greenville; Usha Japa, Tulane University School of Medicine, New Orleans; Kelly Jarvis, Louis Stokes Cleveland VA Medical Center, Cleveland; Lindsay Jayson, Research Institute of the Carolinas, Mooresville; Richard Jensen, Benefis Medical Group, Great Falls; Donni Jester, Southeastern Endocrine & Diabetes, Roswell; Christine Jocko, Crouse Medical Practice, Syracuse; Carol Johnson, Carol M Johnson MD LLC, Alabaster; Mandi Johnson, AM Diabetes & Endocrinology Center, Bartlett; Megan Johnson, Washington State University, Spokane; Kelly Johnston, 400 North Medical Center, Michigan City; Dan Jones, Harrison Community Hospital, Cadiz; Jocelyn Jones, Rush University Medical Center, Chicago; Terry Jordan, Blair Medical Associates Inc, Altoona; Mario Juarez, Panacea Clinical Research, San Antonio; Abhishake Kaapuraala, Iowa Diabetes & Endocrinology Center, Des Moines; Angela Kain, Robley Rex VAMC, Louisville; Valerie Kaiser, Awasty Research Network, Marion; Kent Kamradt, Radiant Research Inc, Chicago; Peggy Karatoprakli, Veterans Affairs Medical Center, Omaha; Marjan Karegar,

Robley Rex VAMC, Louisville; Chrisi Karounos, Lexington VA Medical Center, Lexington; Dennis Karounos, Lexington VA Medical Center, Lexington; Harischandra Karunaratne, Florida Heart Group, Orlando; Bonnie Katalenich, Tulane University School of Medicine, New Orleans; Kristen Katic, Preferred Primary Care Physicians, Uniontown; Michelle Katz, North Texas Endocrine Center, Dallas; Gulsharn Kaur, Bala and Khaira Medical Center, Fresno; Ashley Kawa, Louis Stokes Cleveland VA Medical Center, Cleveland; Caroline Keib, Crouse Medical Practice, Syracuse; Gayle Keider, Oakland Medical Research Center, Troy; David Kem, University of Oklahoma College of Medicine, Oklahoma City; Ryan Kennedy, UK HealthCare Kentucky Clinic, Lexington; Barbara Kenney, Apex Medical Research Inc, Chicago; Dean Kereiakes, Christ Hospital Lindner Research Center, Cincinnati; Mohamed Ketana, American Institute of Research, Los Angeles; Lindsey Kettinger, Medical University of South Carolina, Charleston; Ajit Khaira, Bala and Khaira Medical Center, Fresno; Amna Khan, Tulane University School of Medicine, New Orleans; Khaleda Khan, American Institute of Research, Los Angeles; Meena Khan, Greater Baltimore Medical Center, Baltimore; Muneer Khan, OUHSC: Diabetes and Endocrinology, Oklahoma City; Teck Khoo, Mercy Medical Center, Des Moines; Narine Khrlolyan, Facey Medical Group, Mission Hills; James Kilgore, Clinical Research Consultants Inc, Hoover; Grace Kim, Facey Medical Group, Mission Hills; Sarah Kimble, Medical University of South Carolina, Charleston; Maureen Kinsley, Jersey Shore University Medical Center, Neptune; Timothy Kitchen, Great Lakes Medical Research, Westfield; Michelle Klick, Crouse Medical Practice, Syracuse; Wendy Kniffen, Dallas Diabetes & Endocrine Center, Dallas; Rebecca Knight, Pioneer Medical Group, Cerritos; Dorothy Kodzwa, Medical University of South Carolina, Charleston; Troy Koenig, FPA Clinical Research, Kissimmee; Kateryna Komarovskiy, Robley Rex VAMC, Louisville; Yuthana Kong, Anaheim Clinical Trials, Anaheim; David Koontz, Internal Medicine Associates of Greenville, Ann Arbor; Sathya Krishnasamy, Robley Rex VAMC, Louisville; Sathya Krishnasamy, Louisville VA Medical Center, Louisville; Elizabeth Krueger, Radiant Research Inc, Chicago; Lisa Kuechenmeister, Veterans Affairs Medical Center, Omaha; Ann Kuehl, Apex Medical Research Inc, Chicago; Kevin Kuettel, Anaheim Clinical Trials, Anaheim; David Kugler, Endocrine Associates of Long Island, Smithtown; Tanya Kulow, University Hospitals Case Medical Center, Cleveland; Tanya Kulow, Louis Stokes Cleveland VA Medical Center, Cleveland; Tulsidas Kuruvanka, Northwest Houston Cardiology, Houston; Donald Kushner, Preferred Primary Care Physicians, Pittsburgh; Elise Kwon, Facey Medical Group, Mission Hills; Sooho Kwon, Medical University of South Carolina, Charleston; Michael Kyle, Radiant Research Inc, Chicago; Lauren LaBryer, OUHSC: Diabetes and Endocrinology, Oklahoma City; Joseph Labuda, Preferred Primary Care Physicians, Uniontown; Julie Lafave, Oakland Medical Research Center, Troy; Jacques Laguerre, Novant Health Southern Piedmont, Monroe; Alison Laliberte, Southern New Hampshire Diabetes and Endocrinology, Nashua; James Lane, OUHSC: Diabetes and Endocrinology, Oklahoma City; Christine Langel, Mercy Medical Center, Des Moines; Danielle Lann, Jersey Shore University Medical Center, Neptune; Joseph Largay, UNC Diabetes Care Center, Chapel Hill; Kashif Latif, AM Diabetes & Endocrinology Center, Bartlett; Tammi Latus, DCOL Center for Clinical Research, Longview; Jereta Lawrence, Arthritis & Diabetes Clinic, Monroe; Gregory Ledger, Mercy Medical Research Institute, Springfield; Francis Gil Lee, Greater Baltimore Medical Center, Baltimore; Elizabeth Lee, Anaheim Clinical Trials, Anaheim; Jonathan Leffert, North Texas Endocrine Center, Dallas; Matthew Leinung, Albany Medical Center, Albany; M. James Lenhard, Christiana Medical Aid Unit, Newark; Joseph Lentino, Radiant Research Inc, Chicago; Julissa Leon, Baylor Endocrine Center, Dallas; Nancy Letassy, OUHSC: Diabetes and Endocrinology, Oklahoma City; Kathryn Leuck, Research Institute of Dallas, Dallas; Philip Levin, Greater Baltimore Medical Center, Baltimore; Dennis Levinson, Apex Medical Research Inc, Chicago; Melissa Lewis, Physicians East Endocrinology, Greenville; Timothy Light, Innovative Research of West Florida, Clearwater; Jonea Lim, OUHSC: Diabetes and

Endocrinology, Oklahoma City; Ronald Lindamood, Internal Medicine Associates of Greenville, Ann Arbor; Ildiko Lingvay, UT Southwestern Medical Center, Dallas; Janie Lipps, Vanderbilt University Medical Center, Nashville; Anna Lisa, Chavana Northeast Clinical Research Center, Bethlehem; Yolanda Livingston, Mountain View Clinical Research, Greer; Lee Llamas, Anaheim Clinical Trials, Anaheim; Tanya Long, Alzohaili Medical Consultants, Dearborn; Robert Looby, Harrison Community Hospital, Cadiz; Carlos Lopez, New York-Presbyterian University Hospital of Columbia, New York; Timothy Lorenz, Oakland Medical Research Center, Troy; Dragana Lovre, Tulane University School of Medicine, New Orleans; Peter Lu, Physicians Research Associates LLC, Lawrenceville; Kathryn Lucas, Diabetes & Endocrinology Consultants, Morehead; Gabriela Luevano, Narbonne Medical, Lomita; Mary Luidens, Albany Medical Endocrinology Albany; Blanca Luna, Speedway Family Practice Stanley F Stockhammer Jr, Deland; Louis Luttrell, Medical University of South Carolina, Charleston; Timothy Lyons, OUHSC: Diabetes and Endocrinology, Oklahoma City; Maria MacAdams, Covenant Medical Center, Lubbock; Michael MacAdams, Covenant Medical Center, Lubbock; David Mack, Medex Healthcare Research, New York; Mellie Mack, Awasty Research Network, Marion; Marcia Madden, International Diabetes Center, Minneapolis; Robert Madder, Heritage Valley Medical Group, Beaver; Shiyanka Madireddy, Dynamed Clinical Research, Houston; Laura Mae, Pearlman Radiant Research Inc, Chicago; Aparna Mahakala, Physicians Research Associates LLC, Lawrenceville; Hiralal Maheshwari, Midwest Endocrinology, Crystal Lake; Hussain Malbari, Martin Diagnostic Clinic, Tomball; Norman Maldonado, American Institute of Research, Los Angeles; Michelle Mallitz, Meridien Research, St. Petersburg; Mustafa Mandviwala, Northwest Heart Center, Tomball; Kara Mann, Dallas Diabetes & Endocrine Center, Dallas; Milena Mardahay, Medex Healthcare Research, New York; Jaime Marino, Apex Medical Research Inc, Chicago; Annis Marney, University of Vermont Medical Center, Burlington; Lisa Marshall, Southern New Hampshire Diabetes and Endocrinology, Nashua; Adriana Martin, Medex HealthCare Research, St. Louis; Earl Martin, Martin Diagnostic Clinic, Tomball; Geraldine Martinez, Catalina Research Institute, Chino; Gilbert Martinez, Catalina Research Institute, Chino; Salomon Martinez-Miss, Catalina Research Institute, Chino; Phyllis Marx, Radiant Research Inc, Chicago; Leslie Massara, Thomas Jefferson University Hospitals, Philadelphia; Momina Mastoor, Union Memorial Hospital, Baltimore; Glenn Matfin, International Diabetes Center, Minneapolis; Peter Maurides, Internal Medicine Associates of Greenville, Ann Arbor; Michael May, Vanderbilt University Medical Center, Nashville; Ronald Mayfield, Mountain View Clinical Research, Greer; Bobby Maynard, Great Falls Clinic, Great Falls; Angela Mazza, Florida Diabetes/Endocrine Center, Orlando; Kathy McCann, International Diabetes Center, Minneapolis; James McCoy, University Specialty Clinics, Columbia; Todd McCoy, FPA Clinical Research, Kissimmee; Mary Kate McCullen, Thomas Jefferson University Hospitals, Philadelphia; Clayton McDaniel, Monterey Bay Family Physicians, Watsonville; Anne-Marie McDaniel, Monterey Bay Family Physicians, Watsonville; Michael McDermott, University of Colorado Hospital - Anschutz Inpatient Pavilion, Aurora; Andrew McDonald, Internal Medicine Associates of Greenville, Ann Arbor; Camille McDonald, Novant Health Southern Piedmont, Monroe; Roberta McDuffie, Tulane University School of Medicine, New Orleans; Brandi McMasters, Naidu Clinic, Odessa; Corey McMurray, Awasty Research Network, Marion; Terri Medlin, Diabetes & Endocrinology Consultants, Morehead; Monya Meinel, Radiant Research Inc, Chicago; Iris Mendez, Covenant Medical Center, Lubbock; Judson Menefee, Eastern Shore Medical Specialists, Fairhope; Melissa Meredith, University of Wisconsin School of Medicine and Public Health, Madison; Marcus Merriweather, FPA Clinical Research, Kissimmee; James Mersey, Greater Baltimore Medical Center, Baltimore; Christine Messino, Clinical Study Center of Asheville, Asheville; Stephen Meyer, Tampa Clinical Research, Tampa; Linda Meyers, Medical University of South Carolina, Charleston; Donna Michael, Heritage Valley Medical Group, Beaver; Catherine Midyett,

Arthritis & Diabetes Clinic, Monroe; Audrey Miklius, Research Institute of Dallas, Dallas; Emily Milford, Radiant Research Inc, Chicago; Bonnie Miller, Internal Medicine Associates of Greenville, Ann Arbor; Harold Miller, Crescent City Clinical Research, Metairie; Melissa Milligan, Awasty Research Network, Marion; Anita Minor, Medex HealthCare Research, St. Louis; Bresta Miranda-Palma, University of Miami Diabetes Treatment Center, Miami; Nicole Mirarchi, Thomas Jefferson University Hospitals, Philadelphia; Saritha Mittadodla, OUHSC: Diabetes and Endocrinology, Oklahoma City; Janette Mittle, Tampa Clinical Research, Tampa; Ann Moffat, Monterey Bay Family Physicians, Watsonville; Stephen Mohaupt, Catalina Research Institute, Chino; Kamran Mohiuddin, Northwest Heart Center, Tomball; Sri Mokshagundam, Robley Rex VAMC, Louisville; Susan Monaco, Anaheim Clinical Trials, Anaheim; Ronald Monsaert, Christiana Medical Aid Unit, Newark; Cynthia Montano-Pereira, Catalina Research Institute, Chino; Austin Montgomery, Medex HealthCare Research, St. Louis; Kelly Moody, Clinical Study Center of Asheville, Asheville; Mia Moon, Catalina Research Institute, Chino; Deborah Moore, Christiana Medical Aid Unit, Newark; Laura Moore, University Hospitals Case Medical Center, Cleveland; Laura Moore, Louis Stokes Cleveland VA Medical Center, Cleveland; Emily Morawski, Holston Medical Group, Kingsport; Cynthia Moreau, Tulane University School of Medicine, New Orleans; David Morin, Holston Medical Group, Kingsport; Carmen Moscoa, AMCR Institute Inc, Escondido; Chelsey Motzkin, Medex Healthcare Research, New York; Richard Mueller, Medex Healthcare Research, New York; Christina Munoz, Rush University Medical Center, Chicago; Miguel Munoz, Southeastern Endocrine & Diabetes, Roswell; Anjana Myneni, Grunberger Diabetes Institute, Bloomfield Hills; Bahar Naderi, Facey Medical Group, Mission Hills; Prathima Nagireddy, Grunberger Diabetes Institute, Bloomfield Hills; Jayaram Naidu, Naidu Clinic, Odessa; Raja Naidu, Naidu Clinic, Odessa; Savita Naik, Medex Healthcare Research, New York; Roberta Naimark, Clinical Study Center of Asheville, Asheville; Maria Nardicchi, Grunberger Diabetes Institute, Bloomfield Hills; Ikeadi Ndukwu, 400 North Medical Center, Michigan City; Christian Neller, Tampa Clinical Research, Tampa; Lisa Netten-Foster, Iowa Diabetes & Endocrinology Center, Des Moines; Joshua Neumiller, Washington State University, Spokane; Tirado New, York-Presbyterian University Hospital of Columbia, New York; Susan Newman, Great Lakes Medical Research, Westfield; Tabitha Newton, Instituto De Endocrinologia Diabetes, Levittown; BaoAn Nguyen, Veterans Affairs Medical Center, Omaha; Brent Nicol, The Diabetes Center, Murrells Inlet; Philip Nicol, The Diabetes Center, Murrells Inlet; Loretta Ninivaggi, Jersey Shore University Medical Center, Neptune; Kevin Niswender, Vanderbilt University Medical Center, Nashville; Lana Norman, Diablo Clinical Research, Walnut Creek; Gary Noworatzky, Dr. Israel A. Hartman MD Clinical Practice Dallas; Ebener Nyenwe, University of Tennessee Health Science Center, Memphis; Thomas O'Connell, UNC Diabetes Care Center, Chapel Hill; Wendy Oden, DCOL Center for Clinical Research Longview; Adeniyi Odugbesan, Physicians Research Associates LLC, Lawrenceville; Michael Oliver, Heritage Valley Medical Group, Beaver; Tonya Oliver, 400 North Medical Center, Michigan City; Carly Olmeda, Tulane University School of Medicine, New Orleans; Christine O'Neil, Southern New Hampshire Diabetes and Endocrinology, Nashua; Ruth Oremus, Lexington VA Medical Center, Lexington; Tania Ortega, American Institute of Research, Los Angeles; Sonia Ortiz-Santos, Instituto De Endocrinologia Diabetes, Levittown; Tracey Osborn, Innovative Research of West Florida, Clearwater; Sailatha Padmanabhan, University of Oklahoma College of Medicine, Oklahoma City; Olivia Papacostea, UT Southwestern Medical Center, Dallas; Inna Park, Medex HealthCare Research, St. Louis; Anna Parker, Anaheim Clinical Trials, Anaheim; Kristine Parker, Medical University of South Carolina, Charleston; R. Parker, University Specialty Clinics, Columbia; Christine Patel, University Hospitals Case Medical Center, Cleveland; Christine Patel, Louis Stokes Cleveland VA Medical Center, Cleveland; Minesh Patel, 400 North Medical Center, Michigan City; Rakesh Patel, Endocrine and Psychiatry Center,

Houston; Roshni Patel, Novant Health Southern Piedmont, Monroe; Marisol Patino, Wilshire Oncology Medical Group, Corona; Sara Patterson, Benefis Medical Group, Great Falls; Katrina Paulson, Benefis Medical Group, Great Falls; Alejandro Paz, AMCR Institute Inc, Escondido; Riga Pemba, Facey Medical Group, Mission Hills; Constance Pepe, Thomas Jefferson University Hospitals, Philadelphia; Jose Perez, FPA Clinical Research, Kissimmee; Tamra Perez, Robley Rex VAMC, Louisville; Debbie Perry, KD Medical Group Inc, Columbia; Bunny Phillips, Mountain View Clinical Research, Greer; Julie Phillips, Medical Group, Kingsport; Alicia Pickett, University Hospitals Case Medical Center, Cleveland; Alicia Pickett, Louis Stokes Cleveland VA Medical Center, Cleveland; Mark Pinson, Medex Healthcare Research, St. Louis; Robin Pitzer, Northeast Clinical Research Center, Bethlehem; Madhuri Poduri, UT Southwestern Medical Center, Dallas; Jennifer Poehls, University of Wisconsin School of Medicine and Public Health, Madison; Tony Poteat, Internal Medicine Associates of Greenville, Ann Arbor; Lisa Powell, Alzohaili Medical Consultants, Dearborn; Siripurapu Prasad, OhioHealth Marion Area Physicians, Marion; Richard Pratley, University of Vermont Medical Center, South Burlington; Richard Pratley, Florida Diabetes/Endocrine Center, Orlando; Evelyn Price, Panacea Clinical Research, San Antonio; Diane Priest, OUHSC: Diabetes and Endocrinology, Oklahoma City; Luz Prieto, University of Miami, Miami; Tarlock Purewal, Awasty Research Network, Marion; Raman Purighalla, Preferred Primary Care Physicians, Pittsburgh; Uma Purighalla, Preferred Primary Care Physicians, Pittsburgh; Mark Quadrel, Internal Medicine of Morris County, Dover; Ambreen Qureshi, UK HealthCare Kentucky Clinic, Lexington; Rani Radhamma, Mercy Medical Research Institute, Springfield; Eman Rafla, Internal Medicine of Morris County, Dover; Hussein Rajab, Medical University of South Carolina Charleston; Alexandra Ramirez, North Texas Endocrine Center, Dallas; Julie Ramirez, American Institute of Research, Los Angeles; Karina Ramirez, Anaheim Clinical Trials, Anaheim; Maria Ramirez, Medical University of South Carolina, Charleston; Uma Rangaraj, Arthritis & Diabetes Clinic, Monroe; Veitla Rao, OUHSC: Diabetes and Endocrinology, Oklahoma City; Pat Rasmussen, Midwest Endocrinology, Crystal Lake; Neda Rasouli, University of Colorado Denver – Veterans Hospital, Aurora; Neda Rasouli, Denver VA Medical Center, Denver; Anita Ray, North Texas Endocrine Center, Dallas; Shannon Ray, Whiteville Medical Associates, Whiteville; John Reed, Southeastern Endocrine & Diabetes, Roswell; Lucy Rems, Anaheim Clinical Trials, Anaheim; Karen Renaud, Tampa Clinical Research, Tampa; Marie Reno, Medex HealthCare Research, St. Louis; Maria Resnick, Great Lakes Medical Research, Westfield; Jane Reusch, Denver VA Medical Center, Denver; L. Reynolds, University of Kentucky Medical Center, Lexington; Kimberly Rhoton, Medical University of South Carolina, Charleston; Jackson Rhudy, Optimum Clinical Research, Salt Lake City; Cassie Ricci, OUHSC: Diabetes and Endocrinology, Oklahoma City; Lucian Rice, Clinical Study Center of Asheville, Asheville; Antoinette Richardson, Vanderbilt University Medical Center, Nashville; Lynn Richardson, Louis Stokes Cleveland VA Medical Center, Cleveland; Lynn Richardson, Louis Stokes Cleveland VA Medical Center, Cleveland; Heather Rickard, Mountain View Clinical Research, Greer; Michael Rickels, Diabetes Endocrine, Spruce; Dennis Riff, Advanced Clinical Research Institute, Anaheim; Nancy Rightenour, Blair Medical Associates Inc, Altoona; Joseph Risser, Linda Vista Health Care Center, San Diego; Abid Rizvi, Mercury Pharma Services, Houston; Ali Rizvi, University Specialty Clinics, Columbia; Jennifer Robertson, Mercy Medical Research Institute, Springfield; Annette Robinson, University of Louisville Physicians, Louisville; Randall Robinson, Mercy Medical Research Institute, Springfield; Marion Rockwell, Blair Medical Associates Inc, Altoona; Mayra Rodriguez, FPA Clinical Research, Kissimmee; Martha Rojas, Anaheim Clinical Trials, Anaheim; Wendy Rojas, Pioneer Medical Group, Cerritos; Leslie Rooker-Morris, Dallas Diabetes & Endocrine Center, Dallas; Connie Root, Vanderbilt University Medical Center, Nashville; Muriel Rose, Monterey Bay Family Physicians, Watsonville; Richard Rosenberg, New York-Presbyterian University Hospital of Columbia, New York; Julio Rosenstock, Dallas

Diabetes & Endocrine Center, Dallas; Marilynn Roth, University of Vermont Medical Center, South Burlington; Rachel Ruby, Monterey Bay Family Physicians, Watsonville; Richard Sachson, Endocrine Associates of Dallas, Dallas; Paul Sack, Union Memorial Hospital, Baltimore; R. Kent Sadler, Northeast Clinical Research Center, Bethlehem; Subhash Sahai, Iowa Diabetes & Endocrinology Center, Des Moines; Jennifer Salazar, OUHSC: Diabetes and Endocrinology, Oklahoma City; Manjula Salgam, Albany Medical Center, Albany; Aditya Samal, Northwest Houston Cardiology, Houston; Anil Samson, Apex Medical Research Inc, Chicago; Rebecca Sanagorski, Denver VA Medical Center, Denver; Angela Sanchez, Dr. Israel A. Hartman MD Clinical Practice, Dallas; Jay Sandberg, Oakland Medical Research Center, Troy; Marvin Sanderson, Physicians Group, Little Rock; Jaime Sandoval, Corpus Christi Memorial Hospital, Corpus Christi; Esther Santiago, FPA Clinical Research, Kissimmee; Tabby Sapp, Southeastern Endocrine & Diabetes, Roswell; Jacqueline Saunders, Mountain View Clinical Research, Greer; Joseph Schill, Research Institute of Dallas, Dallas; Charles Schott, AMCR Institute Inc, Escondido; Robert Schreiman, Orange County Senior Care Clinic, Tustin; Deborah Schu, Crouse Medical Practice, Syracuse; Kristy Schuh, Baylor Endocrine Center, Dallas; Mark Schutta, Diabetes Endocrine, Spruce; Jane Schwartz, Christ Hospital Lindner Research Center, Cincinnati; Laurie Schweppe, Meridien Research, St. Petersburg; Hal Scofield, University of Oklahoma College of Medicine, Oklahoma City; Anita Scribner, DCOL Center for Clinical Research, Longview; Jennifer Seal, 400 North Medical Center, Michigan City; John Sealock, Medex Healthcare Research, New York; Bruce Seaton, Research Institute of the Carolinas, Mooresville; Theresa Sedlak-Hanslik, Paramount Medical Research & Consulting, Cleveland; Kathleen Seekins, Panacea Clinical Research, San Antonio; Marianne Segal, Innovative Research of West Florida, Clearwater; Stacey Seggelke, University of Colorado Hospital - Anschutz Inpatient Pavilion, Aurora; Stephanie Semenza, Great Falls Clinic, Great Falls; Patricia Sentman, Meridien Research, Tampa; Marian Serra, Optimum Clinical Research, Salt Lake City; Prakash Seshadri, Christiana Medical Aid Unit, Newark; Eduardo Sevilla, Diablo Clinical Research, Walnut Creek; Shamik Shah, Grunberger Diabetes Institute, Bloomfield Hills; Kristen Shaheen, Physicians East Endocrinology, Greenville; Michael Shanik, Endocrine Associates of Long Island, Smithtown; Jessica Shaw, COR Clinical Research, Oklahoma City; Michelle Sheets, 400 North Medical Center, Michigan City; Carol Shellabarger, Southeastern Endocrine & Diabetes, Roswell; Jay Sher, Jersey Shore University Medical Center, Neptune; Jeanette Shippey, Southern New Hampshire Diabetes and Endocrinology, Nashua; Vijay Shivaswamy, Veterans Affairs Medical Center, Omaha; Mansur Shomali, Union Memorial Hospital, Baltimore; David Shore, Physicians Research Associates LLC, Lawrenceville; Pranavkumar Shroff, Apex Medical Research Inc, Chicago; Taha Siddiqui, Apex Medical Research Inc, Chicago; Angela Siegwald, University of Louisville Physicians, Louisville; Robert Silver, Southern New Hampshire Diabetes and Endocrinology, Nashua; Debra Simmons, Utah Diabetes Endocrinology Center, Salt Lake City; Robyn Simons, Internal Medicine Center, Mobile; Abdulhadi Sinan, Alzohaili Medical Consultants, Dearborn; Manmeet Singh, Tulane University School of Medicine, New Orleans; Sirinart Sirinvaravong, University Specialty Clinics, Columbia; Jennifer Skero, Covenant Medical Center, Lubbock; Judith Slover-Zipf, Jersey Shore University Medical Center, Neptune; Sarah Small, Novant Health Southern Piedmont, Monroe; Bridgette Smith, Kernodle Clinic Inc, Burlington; Kristy Smith, Mountain View Clinical Research, Greer; Megan Smith, Novant Health Southern Piedmont, Monroe; Jennifer Sohl, Crouse Medical Practice, Syracuse; Sarah-Helen Solarz, Louis Stokes Cleveland VA Medical Center, Cleveland; Sarah-Helen Solarz, University Hospitals Case Medical Center, Cleveland; Daniel Soler, Catalina Research Institute Chino; Ajay Sood, University Hospitals Case Medical Center, Cleveland; Nicoletta Sora, Medical University of South Carolina, Charleston; Annie Souchet, Apex Medical Research Inc, Chicago; Jeremy Soule, Medical University of South Carolina, Charleston; Jeffrey Sparks, Kernodle Clinic Inc, Burlington; Linda

Spector, Southern New Hampshire Diabetes and Endocrinology, Nashua; Richard Speicher, Central Florida Medical Associates, Deland; Lori Spillers, Medical University of South Carolina, Charleston; Traci Spivey, Northeast Clinical Research Center, Bethlehem; Nina Springer, Preferred Primary Care Physicians, Uniontown; Heidi Sprouse, Blair Medical Associates Inc, Altoona; Jennifer St. John, OUHSC: Diabetes and Endocrinology, Oklahoma City; Amy Stacey, DCOL Center for Clinical Research, Longview; Helen Stacey, Diablo Clinical Research, Walnut Creek; Mollie Stafford, Clinical Study Center of Asheville, Asheville; Eva Stagner, DCOL Center for Clinical Research, Longview; Karen Staples, Carolina Health Specialists, Myrtle Beach; Emily Steadman, Radiant Research Inc, Chicago; Robert Steed, Southeastern Endocrine & Diabetes, Roswell; Gerald Steeves, Blair Medical Associates Inc, Altoona; Helmut Steinberg, University of Tennessee Health Science Center, Memphis; Carol Stell, Tulane University School of Medicine, New Orleans; Edward Stirman, Holston Medical Group, Kingsport; Karl Straub, John L. McClellan Memorial Veterans Hospital, Little Rock; Elinor Strock, International Diabetes Center, Minneapolis; Marian Sue, Kirkman UNC Diabetes Care Center, Chapel Hill; Orlando Suris, Northeast Clinical Research Center, Bethlehem; Terri Sutton, Diabetes & Endocrinology Consultants, Morehead; Isam Tabbah, OhioHealth Marion Area Physicians, Marion; Mitali Talsania, OUHSC: Diabetes and Endocrinology, Oklahoma City; Rocky Tang, New York-Presbyterian University Hospital of Columbia, New York; Jessica Tapia, Southeastern Endocrine & Diabetes, Roswell; Kelly Taylor, Medical University of South Carolina, Charleston; Rebecca Taylor-Hancher, Preferred Primary Care Physicians, Uniontown; Rachel Teator, Baylor Endocrine Center, Dallas; Memello Tekateka, Radiant Research Inc, Chicago; Brian Temple, Medex Healthcare Research, New York; Karen Temple, Kernodle Clinic Inc, Burlington; Marsha Teodori, Rush University Medical Center, Chicago; Patricia Tharp, Tampa Clinical Research, Tampa; Tina Thethi, Tulane University School of Medicine, New Orleans; Pierre Theuma, Mercy Medical Center, Des Moines; Sarah Thomas, Radiant Research Inc, Chicago; Anna Thottan, University of Vermont Medical Center, South Burlington; James Thrasher, Physicians Group, Little Rock; Lesa Thrasher, Physicians Group, Little Rock; Monika Tiemeyer, Jersey Shore University Medical Center, Neptune; Margaret Tiktin, Louis Stokes Cleveland VA Medical Center, Cleveland; Margaret Tiktin, University Hospitals Case Medical Center, Cleveland; Irene Tinney, Naidu Clinic, Odessa; Timothy Tobin, Diagnostic Clinic of Longview, Longview; Shivani Toma, North Texas Endocrine Center, Dallas; Maritza Tovar, Suncoast Medical Center, St. Petersburg; Judith Townsend, Comprehensive Weight Control Center, New York; Constance Trantow, University of Wisconsin School of Medicine and Public Health, Madison; Henry Traylor, Whiteville Medical Associates, Whiteville; Miguel Trevino, Innovative Research of West Florida, Clearwater; Michael Troy, Northeast Clinical Research Center, Bethlehem; Darrell Trumper, Accurate Clinical Research, Houston; Jennifer Tryggestad, University of Colorado Hospital - Anschutz Inpatient Pavilion, Aurora; Carol Tucker, Grunberger Diabetes Institute, Bloomfield Hills; Juliana Turner, Clinical Study Center of Asheville, Asheville; Robert Turney, Kernodle Clinic Inc, Burlington; Cindy Tuten, Clinical Study Center of Asheville, Asheville; Joanna Tyzack, Greater Baltimore Medical Center, Baltimore; Lauren Ullo, Suncoast Medical Center, St. Petersburg; Chantal Underkofler, Denver VA Medical Center, Denver; Jeffrey Unger, Catalina Research Institute, Chino; Ramon Urdanetta, Florida Diabetes/Endocrine Center, Orlando; Vanessa Valdivia, Anaheim Clinical Trials, Anaheim; Sharon Valenti, Crouse Medical Practice, Syracuse; Anna Vanderheiden, UT Southwestern Medical Center, Dallas; Megan Vanderlinde-Wood, OUHSC: Diabetes and Endocrinology, Oklahoma City; Chandrasekhar Varma, AMCR Institute Inc, Escondido; Eloisa Vasquez, Anaheim Clinical Trials, Anaheim; Maripaz Vazquez, Rush University Medical Center, Chicago; David Vickery, Clinical Study Center of Asheville, Asheville; Betty Villafuerte, University of Louisville Physicians, Louisville; Claudia Villegas, Catalina Research Institute, Moreno; Jessica Vivar, Orange County Senior Care Clinic, Tustin;

Krishnamoorthy Vivekananthan, Northwest Houston Cardiology, Houston; Glen Vo, Maxine Hamilton PA, Fort Lauderdale; Katarina Vukojicic, UNC Diabetes Care Center, Chapel Hill; Amy Wachter, Christiana Medical Aid Unit, Newark; Dain Wahl, Christ Hospital Lindner Research Center, Cincinnati; Jonathan Waitmann, Comprehensive Weight Control Center, New York; Debra Walker, Robley Rex VAMC, Louisville; John Walsh, AMCR Institute Inc, Escondido; Kimberly Walsh, Dartmouth-Hitchcock Medical Center, Lebanon; Anita Walton, Linda Vista Health Care Center, San Diego; Aileen Wang, Tulane University School of Medicine, New Orleans; Karla Wardell, Physicians Research Associates LLC, Lawrenceville; Mark Warren, Physicians East Endocrinology, Greenville; Michael Warren, Tampa Clinical Research, Tampa; Susan Watkins, North Texas Endocrine Center, Dallas; Jean Watkinson, Preferred Primary Care Physicians, Pittsburgh; Myra Watts, Medical Group, Kingsport; Veena Watwe, Endocrine and Psychiatry Center, Houston; Nancy Weaver, Blair Medical Associates Inc, Altoona; Robert Weber, Monterey Bay Family Physicians, Watsonville; Catherine Wedick, Comprehensive Weight Control Center, New York; Debra Weeks, Washington State University, Spokane; Larissa Weeks, Washington State University, Spokane; Kathleen Weindorff, DCOL Center for Clinical Research, Longview; Richard Weinstein, Diablo Clinical Research, Walnut Creek; Sarah Weiss, Meridien Research, Sarasota; Kelly Wenger, Naidu Clinic, Odessa; Marlene Wentworth, Radiant Research Inc, Chicago; Amanda Werner, Louis Stokes Cleveland VA Medical Center, Cleveland; Mary West, Naidu Clinic, Odessa; Sheila Whelan, Alzohaili Medical Consultants, Dearborn; Bee White, Catalina Research Institute, Chino; Judith White, Holston Medical Group, Kingsport; Melanie Whitmire, University Specialty Clinics, Columbia; Rochelle Whittington, Atlanta Diabetes Associates, Atlanta; Jessica Wical, Suncoast Medical Center, St. Petersburg; Christine Wigley, University of Tennessee Health Science Center, Memphis; Francesca Wilkins, Tulane University School of Medicine, New Orleans; Katharine Will, Blair Medical Associates Inc, Altoona; Aimee Williams, Diabetes & Endocrinology Consultants, Morehead; Lou Ellen Wilson, Facey Medical Group, Mission Hills; Meredith Wince, Medical University of South Carolina, Charleston; Sara Wine, Professional Clinical Research, Interlochen; Peter Winkle, Anaheim Clinical Trials, Anaheim; Connie Winner, Benefis Medical Group, Great Falls; Jonathan Wise, Crescent City Clinical Research, Metairie; Melanie Witte, University of Wisconsin School of Medicine and Public Health, Madison; Jackie Wittenmyer, Paramount Medical Research & Consulting, Cleveland; Cynthia Wood, Christ Hospital Lindner Research Center, Cincinnati; Ruth Wood, Mountain View Clinical Research, Greer; Chivers Woodruff, Radiant Research Inc, Birmingham; Bryan Worthington, Internal Medicine Associates of Greenville, Ann Arbor; Donny Wynn, OUHSC: Diabetes and Endocrinology, Oklahoma City; Carol Wysham, Washington State University, Spokane; Patricia Xavier, Martin Diagnostic Clinic, Tomball; Susana Yela, Catalina Research Institute, Chino; Lydia Yenoby, Tulane University School of Medicine, New Orleans; Laura Young, UNC Diabetes Care Center, Chapel Hill; Nadia Younus, Endocrine and Psychiatry Center, Houston; Veronica Yourell, Southern New Hampshire Diabetes and Endocrinology, Nashua; Musaab Zaid, Alzohaili Medical Consultants, Dearborn; Imran Zubair, Optimum Clinical Research, Salt Lake City.

Inclusion and exclusion criteria.

Inclusion criteria

- Type 2 diabetes
- Anti-diabetic drug naïve or treated with one or more oral anti-diabetic drugs or treated with human NPH insulin or long-acting insulin analogue or premixed insulin, alone or in combination with OAD(s)
- Glycated hemoglobin $\geq 7.0\%$
- Prior cardiovascular disease cohort: age ≥ 50 and ≥ 1 of the following criteria:
 - Prior MI
 - Prior stroke or TIA
 - Prior coronary, carotid or peripheral arterial revascularization
 - $>50\%$ stenosis of coronary, carotid, or lower extremity arteries
 - History of symptomatic CHD documented by positive exercise stress test or any cardiac imaging or unstable angina with ECG changes
 - Asymptomatic cardiac ischemia documented by positive nuclear imaging test, exercise test or dobutamine stress echo
 - Chronic heart failure NYHA class II-III
 - Chronic renal failure:
 - eGFR <60 mL/min/ $1.73m^2$ (Modification of Diet in Renal Disease formula)
 - eGFR <60 mL/min (Cockcroft-Gault formula)
- No Prior cardiovascular disease group: Age ≥ 60 y and ≥ 1 of the following criteria:
 - Microalbuminuria or proteinuria
 - Hypertension and left ventricular hypertrophy by ECG or imaging
 - Left ventricular systolic or diastolic dysfunction by imaging
 - Ankle-brachial index <0.9

Exclusion criteria

- Type 1 diabetes
- Calcitonin ≥ 50 ng/L
- Use of a GLP-1 receptor agonist (exenatide, liraglutide or other) or pramlintide or any DPP-4 inhibitor within the 3 months prior to screening
- Use of insulin other than human NPH insulin or long-acting insulin analogue or premixed insulin within 3 months prior to screening. Short-term use of other insulin during this period in connection with intercurrent illness is allowed, at Investigator's discretion
- Acute decompensation of glycemic control
- Acute coronary or cerebrovascular event in the previous 14 days
- Currently planned coronary, carotid, or peripheral artery revascularization
- Chronic heart failure (NYHA class IV)
- Current continuous renal replacement therapy
- End-stage liver disease
- History of solid organ transplant or awaiting solid organ transplant
- Malignant neoplasm
- Family or personal history of multiple endocrine neoplasia type 2 or familial medullary thyroid carcinoma
- Personal history of non-familial medullary thyroid carcinoma

Clinical event definitions.

Acute Coronary Syndrome	<p>Acute Coronary Syndrome (ACS) conditions range from unstable angina pectoris (UAP) to non-ST elevation myocardial infarction (MI) (NSTEMI— subendocardial or nontransmural) and ST elevation MI (STEMI—transmural).</p> <p>Criteria for STEMI: New ST segment elevation is present in 2 or more contiguous leads on the 12-lead ECG.</p> <p>Criteria for NSTEMI: ST segment elevation is absent in 2 or more contiguous leads on the 12-lead ECG.</p> <p>In patients with abnormal biomarkers, it is recognized that lesser ECG abnormalities may represent an ischemic response and may be accepted under the category of abnormal ECG findings.</p>
Acute Myocardial Infarction (Subcategory of ACS)	<p>The term “MI” should be used when there is evidence of myocardial necrosis in a clinical setting consistent with myocardial ischemia. MI may be adjudicated for an event that has characteristics of a MI but which does not meet the strict definition because biomarker or electrocardiographic results are not available.</p> <p>MI is diagnosed based on any of the following criteria, based on the redefinitions suggested by the ESC (European Society of Cardiology)/ACCF (American College of Cardiology Foundation)/AHA (American Heart Association)/WHF (World Heart Federation) task force.</p> <p>Under these conditions, any one of the following criteria meets the diagnosis for AMI:</p> <p>Spontaneous MI: Detection of rise and/or fall of cardiac biomarkers (preferably troponin) with at least 1 value above the 99th percentile of the upper reference limit (URL) together with evidence of myocardial ischemia with at least 1 of the following:</p> <p>Symptoms of ischemia</p> <p>ECG changes indicative of new ischemia (new ST-T changes or new</p>

	<p>left bundle branch block [LBBB])</p> <p>Development of pathological Q waves in the ECG</p> <p>Imaging evidence of new loss of viable myocardium or new regional wall motion abnormality</p> <p>CK-MB and troponin are preferred, but CK may be used in the absence of CKMB and troponin.</p> <p>Sudden, Unexpected Cardiac Death: Sudden, unexpected cardiac death, involving cardiac arrest, often with symptoms suggestive of myocardial ischemia, and accompanied by presumably new ST elevation, or new LBBB, and/or evidence of fresh thrombus by coronary angiography and/or at autopsy, but death occurring before blood samples could be obtained, or at a time before the appearance of cardiac biomarkers in the blood.</p> <p>Percutaneous Coronary Intervention-Related Myocardial Infarction: For percutaneous coronary interventions (PCI) in patients with normal baseline troponin values, elevations of cardiac biomarkers above the 99th percentile URL are indicative of peri-procedural myocardial necrosis. By convention, increases of biomarkers greater than 3x 99th percentile URL have been designated as defining PCI-related MI. A subtype related to a documented stent thrombosis is recognized. If the cardiac biomarker is elevated prior to PCI, a $\geq 20\%$ increase of the value in the second cardiac biomarker sample within 24 hours of the PCI and documentation that cardiac biomarker values were decreasing (two samples at least 6 hours apart) prior to the suspected recurrent MI is also consistent with PCI-related myocardial infarction. Symptoms of cardiac ischemia are not required.</p> <p>Coronary Artery Bypass Grafting-Related Myocardial Infarction: For coronary artery bypass grafting (CABG) in patients with normal baseline troponin values, elevations of cardiac biomarkers above the 99th percentile URL are indicative of peri-procedural myocardial necrosis. By convention, increases of biomarkers greater than 5 \sim 99th percentile URL plus either new pathological Q waves or new LBBB, or angiographically</p>
--	---

	<p>documented new graft or native coronary artery occlusion, or imaging evidence of new loss of viable myocardium have been designated as defining CABG-related MI. If the cardiac biomarker is elevated prior to CABG, a ≥ 20% increase of the value in the second cardiac biomarker sample within 72 hours of CABG and documentation that cardiac biomarker values were decreasing (two samples at least 6 hours apart) prior to the suspected recurrent MI plus either new pathological Q waves in at least 2 contiguous leads on the electrocardiogram or new LBBB, angiographically documented new graft or native coronary artery occlusion, or imaging evidence of new loss of viable myocardium is consistent with a periprocedural myocardial infarction after CABG. Symptoms of cardiac ischemia are not required.</p> <p>Silent Myocardial Infarction: Silent MI is defined by the following:</p> <ol style="list-style-type: none"> 1. No evidence of acute myocardial infarction <p>AND</p> <ol style="list-style-type: none"> 2. Any one of the following criteria: <p>New pathological Q-waves. A confirmatory ECG is recommended if there have been no clinical symptoms or history of myocardial infarction.</p> <p>Imaging evidence of a region of loss of viable myocardium that is thinned and fails to contract, in the absence of a nonischemic cause.</p> <p>Autopsy evidence of a healed or healing MI.</p>
Clinical Classification of Different Types of MI	<p>For EAC adjudication the following classifications of MI will be identified. In addition to classification, the EAC Adjudicators will identify ranges of URL values.</p> <p>Type 1: Spontaneous MI related to ischemia due to a primary coronary event such as plaque fissuring or rupturing.</p> <p>Type 2: MI secondary to ischemia due to imbalance between oxygen demand and supplies, eg. coronary spasm.</p> <p>Type 3: Sudden cardiac death with symptoms of myocardial ischemia, accompanied by new ST elevation or LBBB, or verified coronary thrombus by angiography, but death occurring before blood samples could be obtained.</p> <p>Type 4a: MI associated with PCI; 4b: stent thrombosis documented by angiography or autopsy</p>

	Type 5: MI associated with CABG.
Unstable Angina Pectoris Requiring Hospitalization (Subcategory of ACS)	<p>UAP is defined as cardiac ischemic events that do not fulfill the criteria of acute MI (NSTEMI or STEMI). If neither of these conditions is present by the criteria above in the MI sections of this document, then UAP may be present. The symptoms in UAP are often of shorter duration and/or are relapsing and represent a significant worsening of the patient's baseline symptoms to an extent as being the primary cause of unplanned hospitalization. For UAP to be present, NSTEMI and STEMI cannot be present.</p> <p>Severe recurrent ischemia (UAP) is defined as ischemic discomfort or equivalent meeting the following criteria in the absence of MI criteria:</p> <ol style="list-style-type: none"> 1. No elevation in cardiac biomarkers (cardiac biomarkers are negative for myocardial necrosis) <p>AND</p> <ol style="list-style-type: none"> 2. Clinical presentation lasting at least 10 minutes at rest, or repeated episodes at rest lasting \geq 5 minutes, or an accelerating pattern of ischemic discomfort (episodes that are more frequent, severe, longer in duration, and precipitated by minimal exertion), considered to be myocardial ischemia upon final diagnosis. <p>Rest angina or New-onset (< 2 months) severe angina (Canadian Cardiovascular Society Grading Scale* (or CCS classification system) classification severity \geq III) or Increasing angina (in intensity, duration, and/or frequency) with an increase in severity of at least 1 CCS class to at least CCS class III</p> <p>AND</p> <ol style="list-style-type: none"> 3. At least one of the following additional criteria for coronary artery disease and/or ischemia: <p>New or worsening ST or T wave changes on ECG. ECG changes should satisfy the following criteria for acute myocardial ischemia in the absence of LVH and LBBB:</p> <p>ST elevation</p> <p>New transient (known to be < 20 minutes) ST elevation at the J-point in two contiguous leads with the cut-off points: \geq 0.2 mV in men or \geq 0.15 mV in women in leads V2 -V3 and/or \geq 0.1 mV in other leads</p>

	<p>ST depression and T-wave changes</p> <p>New horizontal or down-sloping ST depression ≥ 0.05 mV in two contiguous leads; and/or T inversion ≥ 0.1 mV in two contiguous leads with prominent R wave or R/S ratio > 1.</p> <p>Evidence of ischemia on stress testing with cardiac imaging</p> <p>Evidence of ischemia on stress testing without cardiac imaging but with angiographic evidence of $\geq 70\%$ lesion and/or thrombus in an epicardial coronary artery or initiation/increased dosing of antianginal therapy.</p> <p>Angiographic evidence of $\geq 70\%$ lesion and/or thrombus in an epicardial coronary artery</p> <p>AND</p> <p>4. Requiring an unscheduled visit to a healthcare facility and overnight admission (does not include chest pain observation units). During adjudication, it should then be noted if the event required:</p> <p>Hospitalization (including an overnight stay on an inpatient unit) within 48 hours of the most recent symptoms.</p> <p>Coronary revascularization during an unscheduled visit to a healthcare facility or during an unplanned (or prolonged) hospitalization for the symptoms.</p>
Heart Failure Requiring Hospitalization	<p>Heart failure (HF) requiring hospitalization is defined as an event that meets the following criteria:</p> <p>1. Requires hospitalization defined as an admission to an inpatient unit or a visit to an emergency department that results in at least a 12 hour stay (or a date change if the time of admission/discharge is not available).</p> <p>AND</p> <p>2. Clinical manifestations of heart failure including at least one of the following: New or worsening dyspnea, orthopnea, paroxysmal nocturnal dyspnea, edema, pulmonary basilar crackles, jugular venous distension, new or worsening third heart sound or gallop rhythm, or radiological evidence of worsening heart failure.</p> <p>AND</p> <p>Additional/Increased therapy, initiation of intravenous diuretic, inotrope, or vasodilator therapy, uptitration of intravenous</p>

	therapy, if already on therapy, initiation of mechanical or surgical intervention (mechanical circulatory support, heart transplantation or ventricular pacing to improve cardiac function), or the use of ultrafiltration, hemofiltration, or dialysis that is specifically directed at treatment of heart failure, or biomarker results (e.g., brain natriuretic peptide) consistent with congestive heart failure will be supportive of this diagnosis.
Cerebrovascular Events (Stroke, TIA)	<p>Stroke is an acute episode of neurological dysfunction attributed to a vascular cause and determined to not be due to a readily identifiable cause, such as a tumor or seizure with residual symptoms at least 24 hours after onset, or leading to death.</p> <p>Stroke is documented by imaging (eg, CT or MRI scan). Evidence obtained from autopsy can also confirm the diagnosis. Findings on lumbar puncture can also be supportive to the diagnosis.</p> <p>Ischemic cerebrovascular events lasting less than 24 hours will not be considered stroke and will be considered transient ischemic attacks, and will be identified as such in the eCRF.</p> <p>Micro-hemorrhages are defined as rounded <5-10 mm foci of susceptibility artifact on gradient-echo (T2*) MRI sequences. These appear hypointense without signal characteristics of acute or subacute hemorrhage and are distinct from other causes of signal loss on gradient echo (T2*) MRI sequences (e.g. vascular flow voids, leptomeningeal hemasiderosis, or non-hemorrhagic subcortical mineralization). (NB: When found in the setting of acute or subacute stroke symptoms, hemosiderin alone [micro-hemorrhages] without MR signal changes consistent with acute or subacute stroke should be considered incidental and not the cause of the stroke symptoms.) While data pertaining to the occurrence of micro-hemorrhages will be collected as exploratory data, the occurrence of micro-hemorrhage will not be included in the primary endpoint.</p>
Classification of Cerebrovascular Events (Stroke, TIA)	<p>A. Transient Ischemic Attack: Transient ischemic attack (TIA) is defined as a transient episode of neurological dysfunction caused by focal brain, spinal cord, or retinal ischemia, without acute infarction.</p> <p>B. Ischemic Stroke: Ischemic stroke is defined as an acute episode</p>

	<p>of focal cerebral, spinal, or retinal dysfunction caused by an infarction of central nervous system tissue that results from a thrombus or embolus impairing central nervous system perfusion (not due to hemorrhage) and is documented by imaging. Evidence of ischemic stroke obtained from autopsy can also confirm the diagnosis. Findings on lumbar puncture can be supportive to the diagnosis.</p> <p>C. Hemorrhagic stroke: Hemorrhagic stroke is defined as an acute episode of focal or global cerebral, spinal, or retinal dysfunction caused by a nontraumatic intraparenchymal, intraventricular, or subarachnoid hemorrhage with documentation of cerebral hemorrhage on imaging (eg, CT or MRI scan), ie, intraparenchymal, intraparenchymal with penetration into the ventricles, intraventricular, or subarachnoidal hemorrhage. Subdural and epidural bleedings are not included. Evidence of hemorrhagic stroke obtained from autopsy can also confirm the diagnosis. Findings on lumbar puncture can be supportive to the diagnosis.</p> <p>D. Undetermined Stroke: Undetermined stroke is defined as a stroke with insufficient information to allow categorization as B or C.</p> <p>Stroke Disability: Stroke disability should be classified using the modified Rankin Scale.</p>
Coronary Revascularization	<p>Percutaneous Coronary Intervention (PCI): Placement of an angioplasty guide wire, balloon, or other device (e.g., stent, atherectomy catheter, brachytherapy delivery device, or thrombectomy catheter) into a native coronary artery or coronary artery bypass graft for the purpose of mechanical coronary revascularization. In the assessment of the severity of coronary lesions with the use of intravascular ultrasound, CFR, or FFR, insertion of a guide wire will NOT be considered PCI.</p> <p>Coronary Artery Bypass Grafting (CABG): Surgical placement of an artery, vein, or other conduit that connects the aorta or one of its branches (e.g., internal mammary artery) to a coronary artery</p>

	distal to a coronary stenosis.
Death	<p>Mortality from CV Causes: CV mortality includes sudden cardiac death, death due to acute myocardial infarction, death due to heart failure, death due to stroke, and death due to other cardiovascular causes, as well as deaths for which there was no clearly documented non-vascular cause.</p> <p>Sudden Cardiac Death: refers to death that occurs unexpectedly in a previously stable patient and includes the following deaths:</p> <ul style="list-style-type: none"> a. Witnessed and instantaneous without new or worsening symptoms b. Witnessed within 60 minutes of the onset of new or worsening cardiac symptoms c. Witnessed and attributed to an identified arrhythmia (eg, captured on an ECG recording or witnessed on a monitor by either a medic or paramedic) d. Subjects unsuccessfully resuscitated from cardiac arrest or successfully resuscitated from cardiac arrest but who die within 24 hours without identification of a non-cardiac etiology e. Unwitnessed death or other causes of death (information regarding the patient's clinical status within the week preceding death should be provided) <p>Death due to Acute MI: death occurring up to 30 days after a documented acute MI (verified either by the diagnostic criteria outlined for acute MI or by autopsy findings showing recent MI or recent coronary thrombus) and where there is no conclusive evidence of another cause of death. If death occurs before biochemical confirmation of myocardial necrosis can be obtained, adjudication should be based on clinical presentation and ECG evidence.</p> <p>Death due to a MI that occurs as a direct consequence of a cardiovascular investigation/procedure/operation will be classified as death due to other cardiovascular cause.</p> <p>Death due to Heart Failure or Cardiogenic Shock : refers to death occurring in the context of clinically worsening symptoms and/or</p>

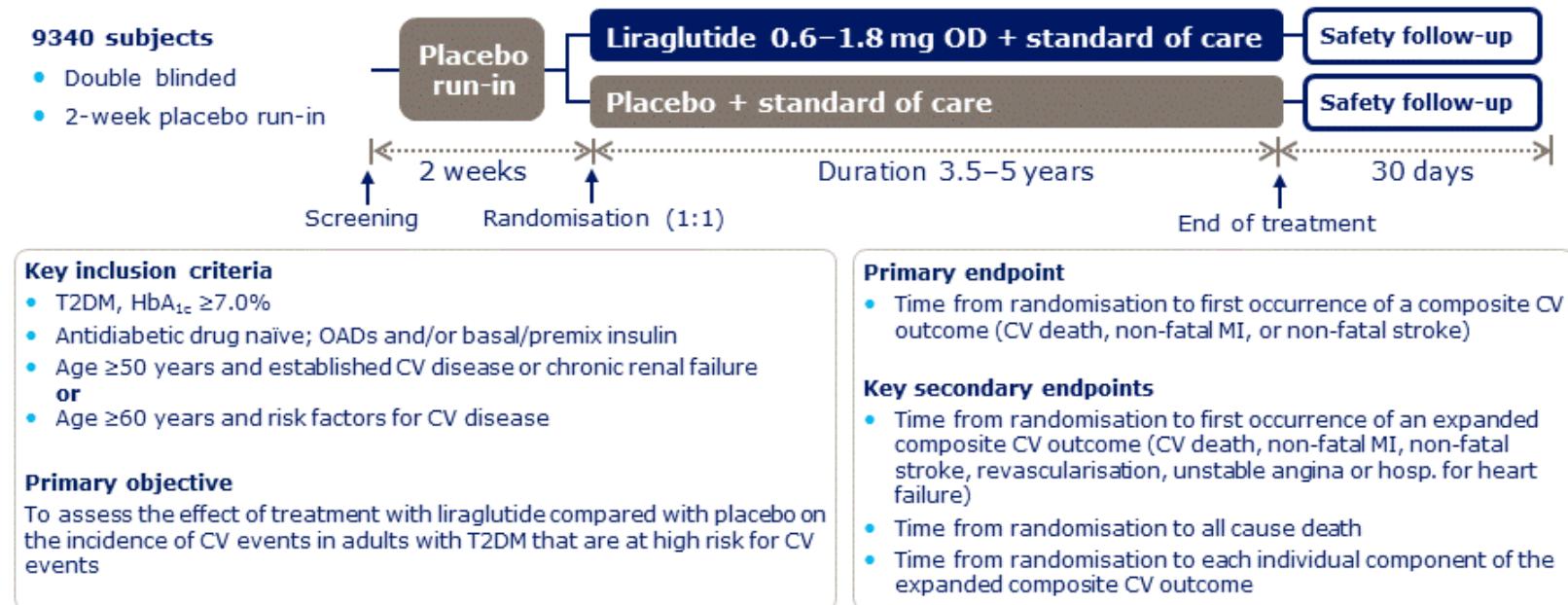
	<p>signs of heart failure without evidence of another cause of death. New or worsening signs and/or symptoms of congestive heart failure (CHF) include any of the following:</p> <ul style="list-style-type: none"> a. New or increasing symptoms and/or signs of heart failure requiring the initiation of, or an increase in, treatment directed at heart failure or occurring in a patient already receiving maximal therapy for heart failure b. Heart failure symptoms or signs requiring continuous intravenous therapy or oxygen administration c. Confinement to bed predominantly due to heart failure symptoms d. Pulmonary edema sufficient to cause tachypnea and distress not occurring in the context of an acute MI or as the consequence of an arrhythmia occurring in the absence of worsening heart failure e. Cardiogenic shock not occurring in the context of an acute MI or as the consequence of an arrhythmia occurring in the absence of worsening heart failure. Cardiogenic shock is defined as systolic blood pressure (SBP) < 90 mm Hg for greater than 1 hour, not responsive to fluid resuscitation and/or heart rate correction, and felt to be secondary to cardiac dysfunction and associated with at least one of the following signs of hypo-perfusion: Cool, clammy skin or Oliguria (urine output < 30 mL/hour) or Altered sensorium or Cardiac index < 2.2 L/min/m². <p>Cardiogenic shock can also be defined as SBP ≥ 90 mm Hg as a result of positive inotropic or vasopressor agents alone and/or with mechanical support in less than 1 hour. The outcome of cardiogenic shock will be based on CEC assessment and must occur after randomization. Episodes of cardiogenic shock occurring before and continuing after randomization will not be part of the study endpoint. This category will include sudden death occurring during an admission for worsening heart failure.</p> <p>Death due to Cerebrovascular Event: (intracranial hemorrhage or nonhemorrhagic stroke): refers to death occurring up to 30 days after a suspected stroke based on clinical signs and symptoms as well as neuroimaging and/or autopsy, and where there is no conclusive evidence of another cause of death. The FDA Stroke</p>
--	--

	<p>Team Definition of Death due to Stroke can also refer to death occurring up to 30 days after a stroke that is either due to the stroke or caused by a complication of the stroke.</p> <p>Death due to Other Cardiovascular Causes: Death must be due to a fully documented cardiovascular cause not included in the above categories (eg, dysrhythmia, pulmonary embolism, or cardiovascular intervention).</p> <p>Non-Cardiovascular Death: Non-cardiovascular death is defined as any death not covered by cardiac death or vascular death and will be categorized into following groups: pulmonary causes, renal causes, gastrointestinal causes, infection (includes sepsis), non-infectious (e.g., systemic inflammatory response syndrome (SIRS)), malignancy (i.e., new malignancy, worsening of prior malignancy), hemorrhage- not intracranial, accidental/trauma, suicide, non-cardiovascular system organ failure (e.g., hepatic failure), non-cardiovascular surgery, other non-cardiovascular.</p> <p>Presumed Cardiovascular Death: All deaths not attributed to the categories of cardiovascular death and not attributed to a non-cardiovascular cause, are presumed cardiovascular deaths and as such are part of the cardiovascular mortality endpoint.</p> <p>Classification of Death Events: Causes of death events will be initially identified as either “Known” or “Unknown.” If classified as Unknown, no further adjudication of the event will be performed. If Known is selected, the Adjudicator will then be prompted to rate the likelihood that the death can be classified as a CV death event, by making one of the following selections for CV-Related Death: 1) Documented, 2) Probable/Possible, or 3) Unlikely. If “Documented” or “Probable/Possible” is selected, the death event will be classified as CV-related. If “Unlikely” is selected or if cause of death is not suspected to be CV related, the Adjudicator will rate the likelihood that the death event was a non-CV death event by making one of the following selections for Non-CV-Related Death: 1) Documented, 2) Probable/Possible, or 3) Unlikely. The definitions of classifications are as follows:</p>
--	--

	<p>Documented— There is documented evidence for classification</p> <p>Probable/Possible— There is good reason and sufficient documentation and/or it is conceivable and cannot be dismissed</p> <p>Unlikely— The event is most likely related to an alternative cause other than a cardiovascular cause (eg, medical history relevant for cancer)</p> <p>For operational purposes, in case of doubt the EAC members are encouraged to consider the definitions at the end of this spectrum of definitions.</p>
Pancreatitis	<p>Pancreatitis is an inflammatory process of the pancreas.</p> <p>Two of following diagnostic criteria meets the diagnosis of acute pancreatitis: severe acute upper abdominal pain, elevated blood levels of pancreatic enzymes (lipase, amylase) 3xURL characteristic imaging finding (ultrasound, CT, MRI).</p> <p>Chronic pancreatitis will be defined by characteristic imaging finding (ultrasound, CT, MRI) with abnormal pancreatic function tests or characteristic histological findings.</p> <p>Events of acute pancreatitis will be further classified according to degree of severity based on revised Atlanta criteria:</p> <ul style="list-style-type: none"> Mild acute pancreatitis (no organ failure and no local or systemic complications) Moderately severe acute pancreatitis (organ failure that resolves within 48 h (transient organ failure) and/or local or systemic complications without persistent organ failure) Severe acute pancreatitis (persistent organ failure (>48 h) (single/multiple organs))
Neoplasm	<p>Neoplasm is defined as an abnormal growth of tissue. All neoplasms will be captured.</p> <p>Neoplasms will be classified according to the tissue of origin, the organ system and to the malignancy status:</p>

	<p>Benign</p> <p>Malignant</p> <p>Pre-malignant/Carcinoma in situ/borderline</p> <p>Unclassified</p>
Thyroid Disease Requiring Thyroidectomy and/or Thyroid Neoplasms	<p>All thyroid disease requiring thyroidectomy, including partial thyroidectomy (e.g. lobectomy, partial lobectomy) and all thyroid neoplasms will be adjudicated.</p> <p>Medullary carcinoma of the thyroid (MTC) is defined as a distinct thyroid carcinoma that originates in the calcitonin producing parafollicular C cells of the thyroid gland.</p> <p>Thyroid neoplasms deriving from the C cells will be classified according to the pathology report, as:</p> <ul style="list-style-type: none"> C-cell hyperplasia Medullary microcarcinoma (carcinoma in situ) Medullary carcinoma.
Nephropathy	<p>A new onset of persistent macroalbuminuria, or persistent doubling of serum creatinine level and creatinine clearance per MDRD <45 mL/min/1.73m², or the need for continuous renal-replacement therapy (in the absence of an acute reversible cause) or death due to renal disease.</p> <p>Macroalbuminuria is defined either as a 24 hour urine collection above 300 mg, or as an elevated ratio in a spot sample above 300 mg albumin / g creatinine.</p> <p>To confirm persistent macroalbuminuria or persistent doubling of serum creatinine, a confirmatory measurement should be performed.</p>
Diabetic Retinopathy	Diabetic retinopathy defined as need for retinal photocoagulation or treatment with intravitreal agents or vitreous haemorrhage or diabetes-related-blindness (defined as Snellen visual acuity of 20/200 [6/60] or less or visual field of less than 20 degrees, in the better eye with best correction possible).

Figure S1. Study design.



CV: cardiovascular; HbA_{1c}: glycosylated haemoglobin; MI: myocardial infarction; OAD: oral antidiabetic drug; OD: once daily; T2DM: type 2 diabetes mellitus

Figure S2. Study subject disposition.

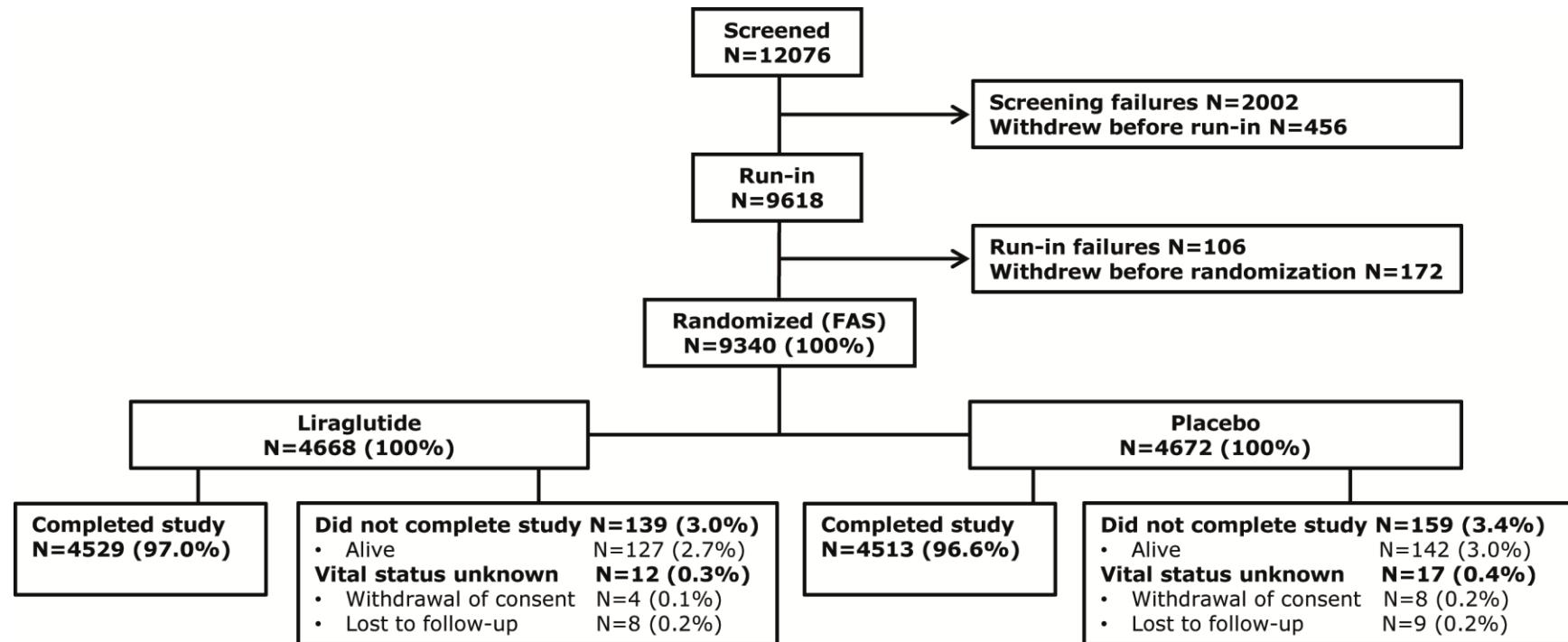
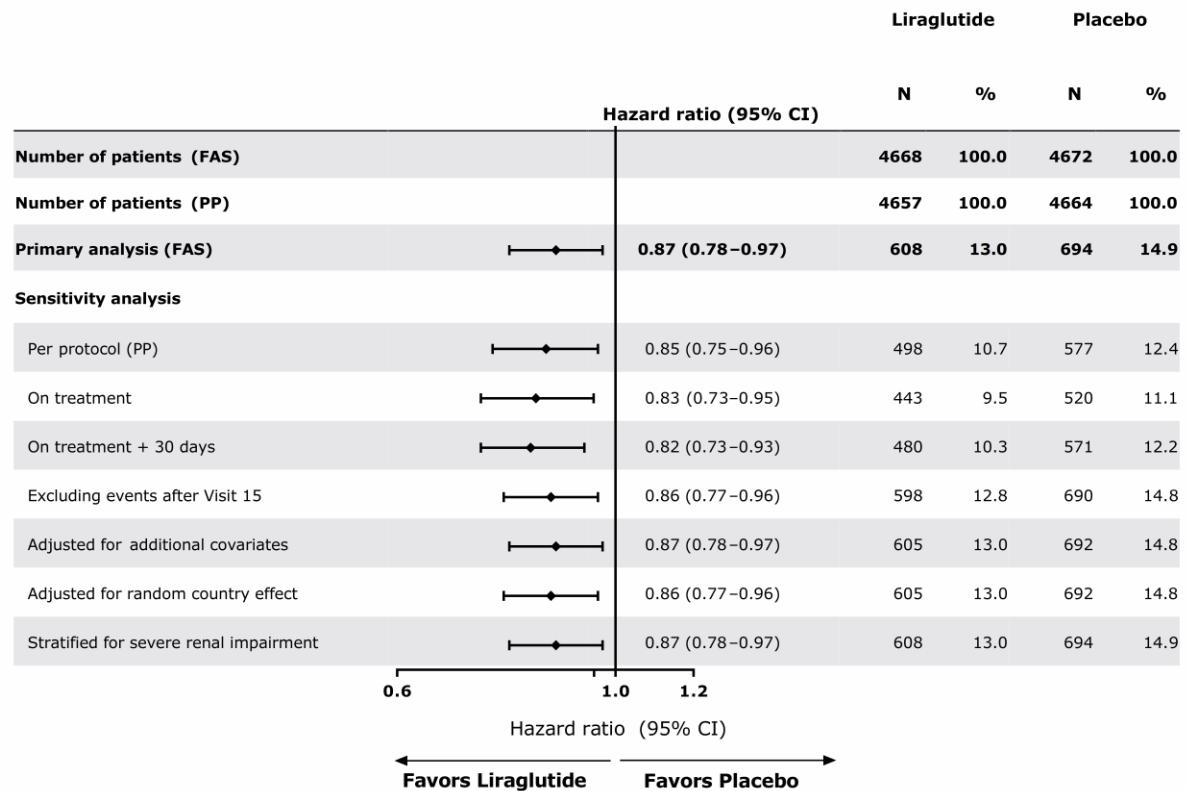


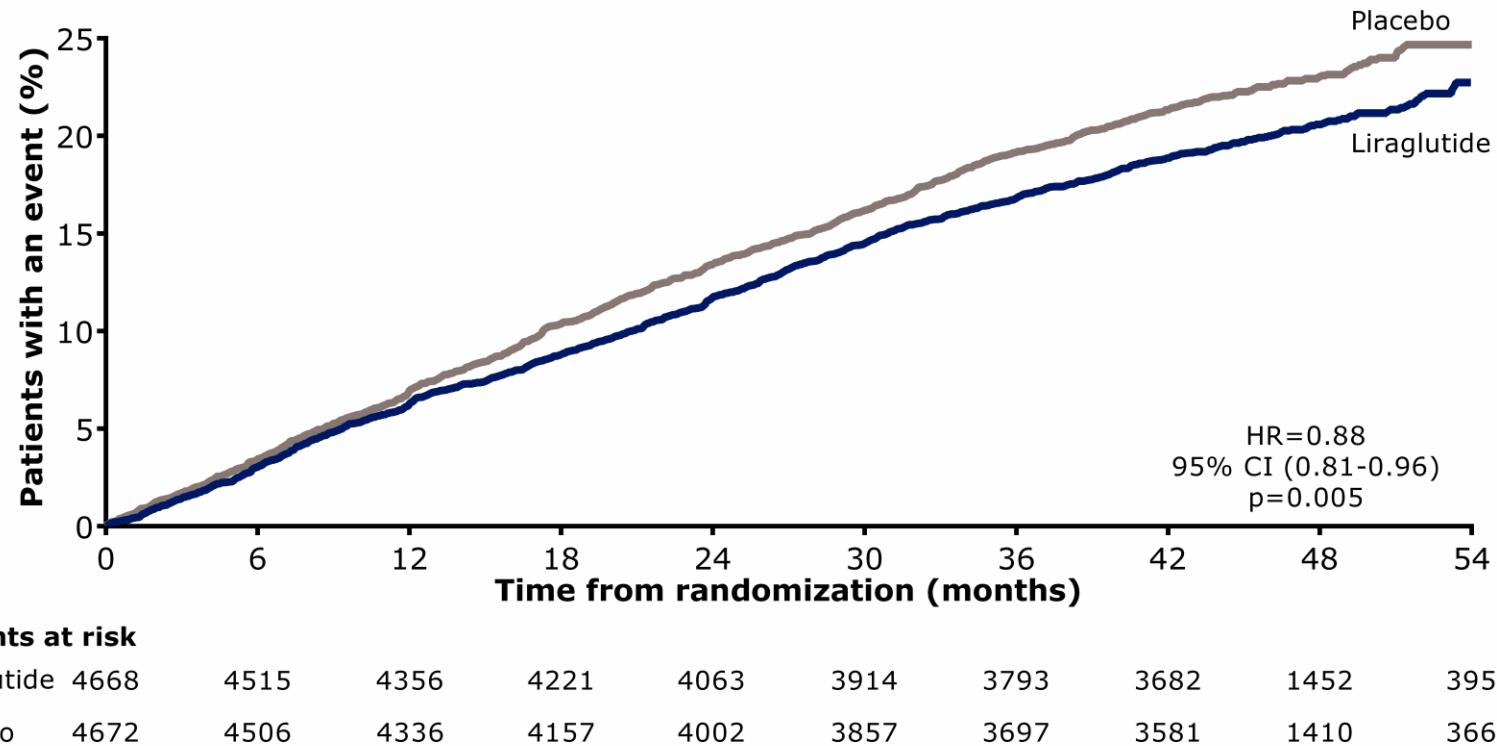
Figure S3. Magnitude of treatment effects of liraglutide on the primary composite outcome.



Sensitivity analyses of primary composite outcomes: 1) during randomized treatment and no more than an accumulated 120 day period of no treatment in a given patient (per protocol); 2) considering events occurring during randomized treatment only (on treatment); 3) considering events occurring during randomized treatment or no later than 30 days into an off-treatment period; 4) excluding events occurring between end-of-treatment (visit 15) and follow-up (visit 16); 5) adjusted for additional covariates (sex, region, baseline age, diabetes duration, prior cardiovascular events at baseline, anti-diabetes medications at baseline, smoking history, and estimated glomerular filtration rate); 6) adjusted for additional covariates with country as a random effect; and 7) stratified

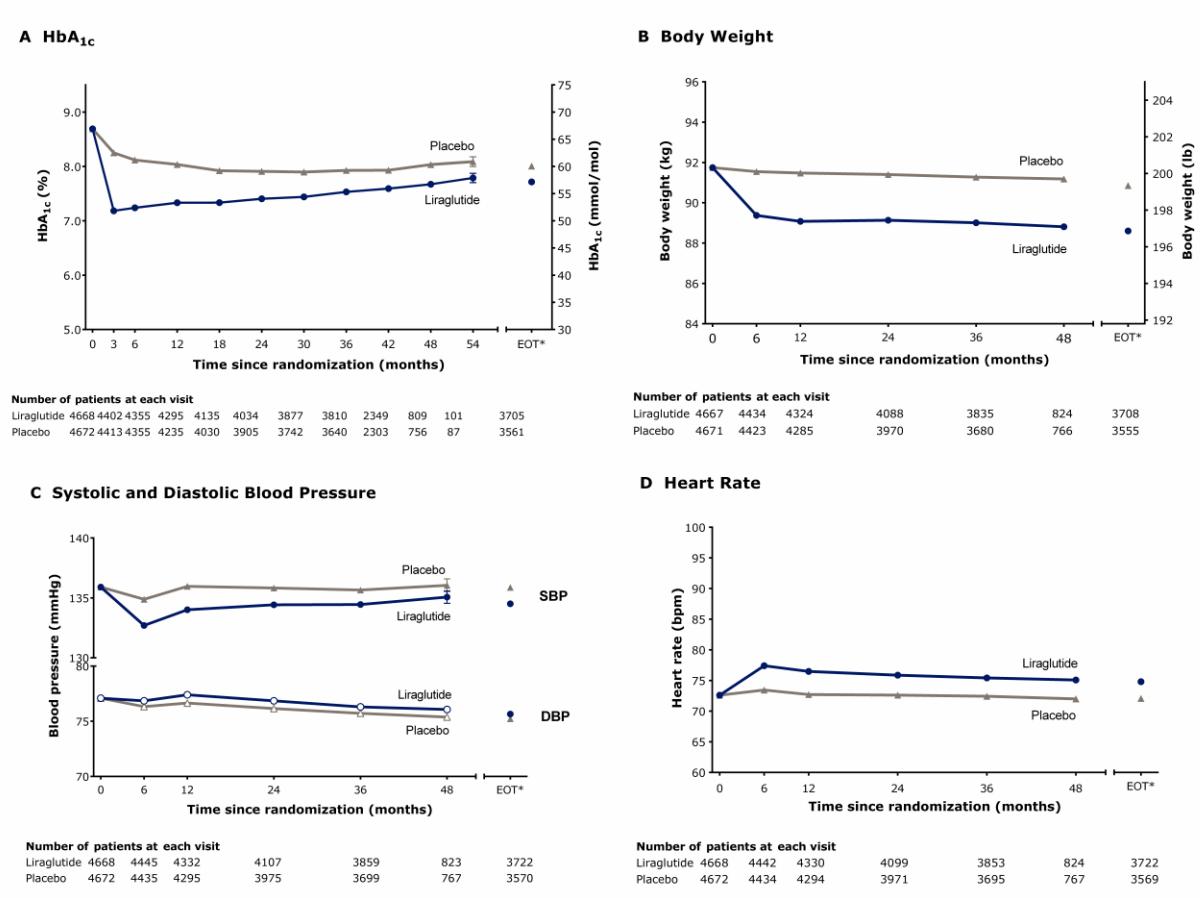
by estimated glomerular filtration rate <30 versus >30. All analyses performed using Cox proportional hazard regression with treatment as a fixed factor. FAS = full analysis set; PP = per protocol; CI = confidence interval..

Figure S4. Time to first expanded composite cardiovascular outcome (cardiovascular death, nonfatal myocardial infarction, nonfatal stroke, coronary revascularization, or hospitalization for unstable angina pectoris or hospitalization for heart failure).



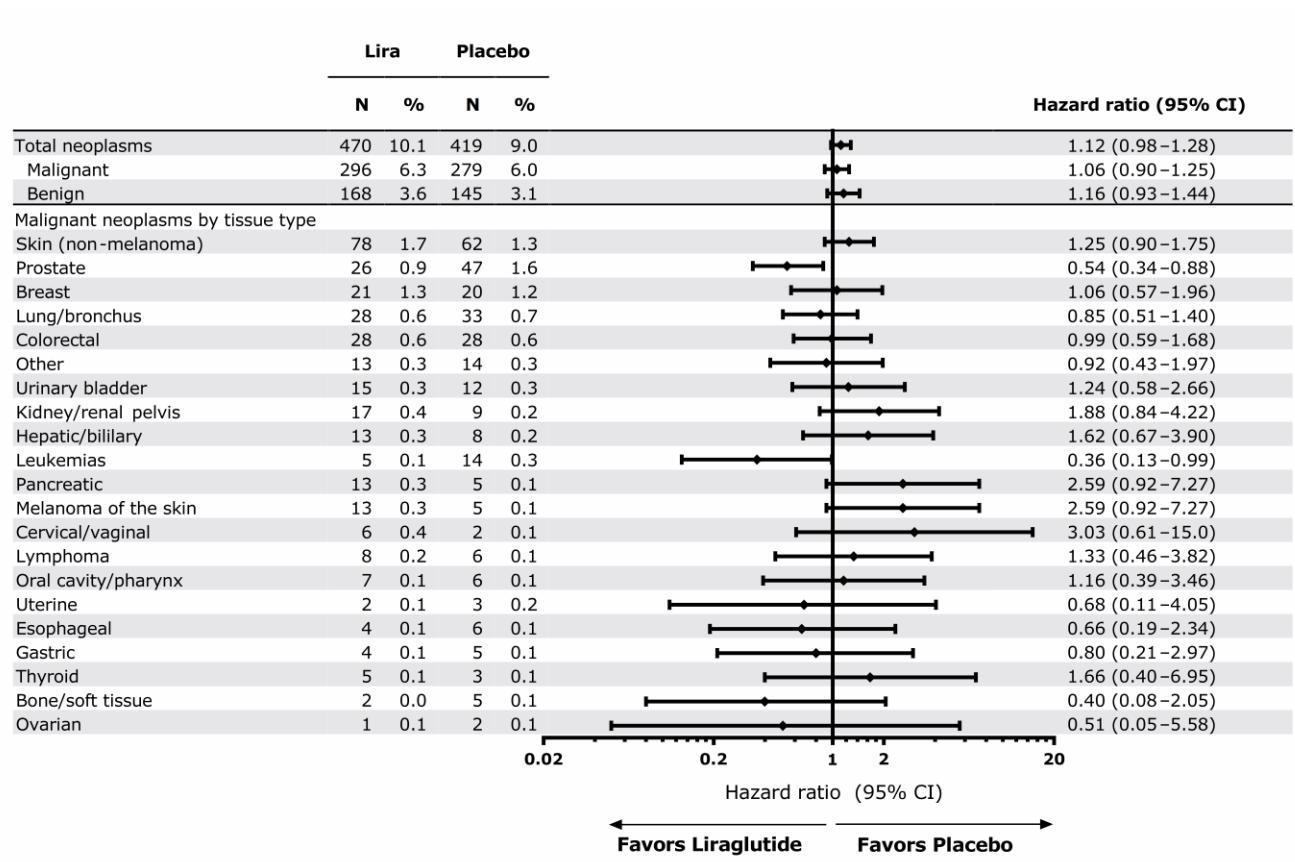
X-axis truncated at 54 months, since less than 10% of subjects had an observation time beyond 54 months.

Figure S5. Estimated mean values from randomization to end of trial for: (A) glycated hemoglobin, (B) body weight, (C) blood pressure, and (D) heart rate.



HbA_{1c} = glycated hemoglobin; EOT = end of trial; SBP = systolic blood pressure; DBP = diastolic blood pressure.

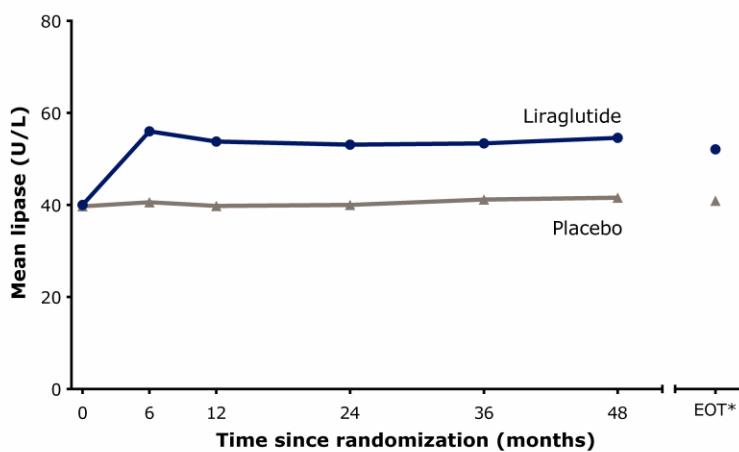
Figure S6. Neoplasms.



Cox proportional hazard regression model adjusted for treatment. N: number of subjects; %: proportion of subjects. Lira = liraglutide; CI = confidence interval.

Figure S7. Lipase and Amylase over time.

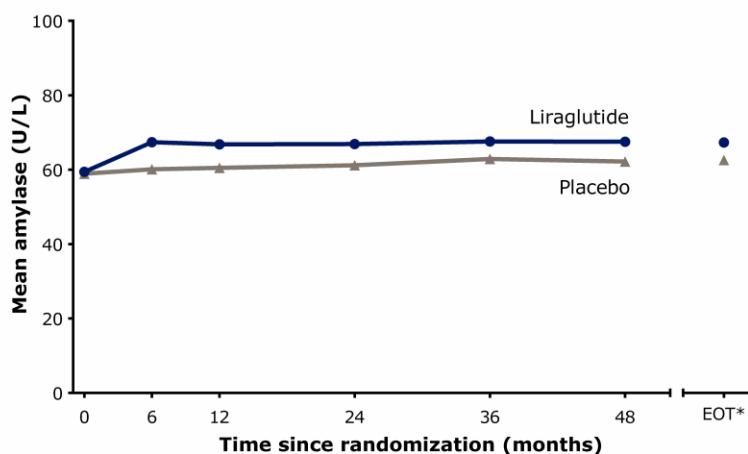
A Lipase



Number of patients at each visit

Liraglutide	4578	4335	4273	4016	3800	808	3687
Placebo	4568	4340	4230	3891	3621	752	3552

B Amylase



Number of patients at each visit

Liraglutide	4600	4361	4289	4038	3817	814	3716
Placebo	4590	4363	4242	3921	3642	758	3569

Observed geometric means for lipase (panel A) and amylase (panel B) from baseline to end of trial (EOT). There were 51.3 and 31.8 % of liraglutide- and placebo-treated patients who at some point during the

trial had a lipase greater than or equal to the upper limit of normal (ULN). Similarly, for amylase there were 29.0 and 22.9 %, respectively. There were 8.3 and 5.3 % of liraglutide- and placebo-treated patients who at some point during the trial had a lipase greater than or equal to 3 times ULN. Similarly, for amylase there were 1.0 and 0.8 %, respectively. There were no stopping rules in the current study related to amylase or lipase levels. Patients with pancreatitis (as determined by the investigator) were to stop treatment with liraglutide or placebo at the time of diagnosis as also described in the product information.

Table S1. LEADER standard of care guidelines.

Treatment / Guideline	
Blood glucose	HbA1c \leq 7.0% (individualized depending on patient) If $>7.0\%$, additional HbA1c measurement after 3m. If HbA1c still $>7.0\%$, treatment should be intensified to achieve target if appropriate
Therapy	Lifestyle modifications and metformin are considered foundational therapy in most countries Add-on therapy: thiazolidinediones, sulfonylureas, alpha glucosidase inhibitors for intensification according to local labels (DPP-IV and other incretin-based therapies are not allowed) Insulin therapy: should be based on local practice, including basal, basal/bolus, premix, and mealtime bolus
Blood pressure	Target: 130/80 mm Hg
Antihypertensive therapy	First line: ACE inhibitors or ARBs Based on individual patient needs: Ca ²⁺ blockers, diuretics, others
Lipids	Target LDL: <100 mg/dL (<70 mg/dL in patients with previous cardiovascular events) Statins: recommended for all patients Second-line therapy: investigator discretion
Antiplatelet therapy	Aspirin or clopidogrel (if aspirin intolerant) for patients with prior cardiovascular events (MI, CVA, or revascularization)

HbA1c: glycated hemoglobin; ACE: angiotensin converting enzyme; ARB: angiotensin receptor blockers; MI: myocardial infarction; CVA: cerebrovascular accident

Table S2. Baseline characteristics.

	Liraglutide (N=4,668)	Placebo (N=4,672)
Male sex	3011 (64.5)	2992 (64.0)
Age, years	64.2 \pm 7.2	64.4 \pm 7.2
Diabetes duration, years	12.8 \pm 8.0	12.9 \pm 8.1
Geographic region		
Europe	1639 (35.1)	1657 (35.5)
North America	1401 (30.0)	1446 (31.0)
Asia	360 (7.7)	351 (7.5)
Rest of the world	1268 (27.2)	1218 (26.1)
Glycated hemoglobin, %	8.7 \pm 1.6	8.7 \pm 1.5
BMI, kg/m ²	32.5 \pm 6.3	32.5 \pm 6.3
Body weight, kg	91.9 \pm 21.2	91.6 \pm 20.8
Systolic blood pressure, mm Hg	135.9 \pm 17.8	135.9 \pm 17.7
Diastolic blood pressure, mm Hg	77.2 \pm 10.3	77.0 \pm 10.1
Heart failure ^a	835 (17.9)	832 (17.8)
Established CVD (age \geq50)	3831 (82.1)	3767 (80.6)
Prior myocardial infarction	1464 (31.4)	1400 (30.0)
Prior stroke or transient ischemic attack	730 (15.6)	777 (16.6)
Prior revascularization	1835 (39.3)	1803 (38.6)
>50% stenosis of coronary, carotid, or lower extremity arteries	1188 (25.4)	1191 (25.5)
Documented symptomatic CHD ^b	412 (8.8)	406 (8.7)
Documented asymptomatic cardiac ischemia ^c	1241 (26.6)	1231 (26.3)
Heart failure NYHA II – III	653 (14.0)	652 (14.0)
Chronic kidney disease ^d	1185 (25.4)	1122 (24.0)
CVD risk factors (age \geq60)	837 (17.9)	905 (19.4)
Microalbuminuria or proteinuria	501 (10.7)	558 (11.9)
Hypertension and left ventricular hypertrophy	248 (5.3)	251 (5.4)
Left ventricular systolic or diastolic dysfunction	203 (4.3)	191 (4.1)
Ankle-brachial index <0.9	110 (2.4)	116 (2.5)
Renal function		
Normal (eGFR \geq 90)	1620 (34.7)	1655 (35.4)
Mild impairment (eGFR 60–89)	1932 (41.4)	1975 (42.3)
Moderate impairment (eGFR 30–59)	999 (21.4)	935 (20.0)
Severe impairment (eGFR <30)	117 (2.5)	107 (2.3)

Full analysis set. Data are means \pm standard deviations or number of patients (percentage of either liraglutide-treated or placebo-treated group). Percentage data refer to proportion of patients. BMI = body mass index; CHD = coronary heart disease; CVD = cardiovascular disease; NYHA = New York Heart Association; eGFR = estimated glomerular filtration rate; ACE = angiotensin converting enzyme; ARB = angiotensin receptor blocker.

^aNYHA class I, II and III.

^bDocumented CHD: documented by positive exercise stress test or any cardiac imaging or unstable angina with ECG changes.

^cDocumented asymptomatic ischemia: Documented by positive nuclear imaging test, exercise test or

dobutamine stress echo

^deGFR <60 mL/min/1.73m² per Modification of Diet in Renal Disease formula or <60 mL/min/1.73m² per Cockcroft-Gault formula.

There were very few missing data; the maximum proportion of missing data was seen for “Diabetes duration” with 0.2% of subjects without information.

There were no statistically significant differences. Continuous variables were tested using a Wilcoxon test; categorical variables were tested using a Pearson Chi-square test. Baseline concomitant medications are found in Supplementary Table S4 (significant difference in use of beta blockers at baseline: p=0.008).

Table S3. Sensitivity analysis of the primary composite outcome by baseline renal status

	Liraglutide	Placebo	Hazard Ratio	95% CI
eGFR \geq 60 ml/min/1.73 m ²	436 (12.3)	471 (13.0)	0.94	0.83-1.07
eGFR 30-59 ml/min/1.73 m ²	147 (14.7)	197 (21.1)	0.67	0.54-0.83
eGFR <30 ml/min/1.73 m ²	25 (21.4)	26 (24.3)	0.89	0.51-1.54

Interaction p-value between treatment and factor: 0.027.

Table S4. Cardiovascular and anti-diabetes medications at baseline and during trial.

	Baseline			Introduced during trial		
	Liraglutide (N=4668)	Placebo (N=4672)	p-value	Liraglutide (N=4668)	Placebo (N=4672)	p-value
Cardiovascular medication						
Antihypertensive therapy	4322 (92.6)	4299 (92.0)	0.30	160 (3.4)	163 (3.5)	0.87
Beta blockers	2649 (56.7)	2524 (54.0)	0.008	69 (1.5)	66 (1.4)	0.79
Calcium channel blockers	1531 (32.8)	1477 (31.6)	0.22	34 (0.7)	29 (0.6)	0.53
ACE inhibitors	2412 (51.7)	2349 (50.3)	0.18	81 (1.7)	93 (2.0)	0.36
ARBs	1486 (31.8)	1484 (31.8)	0.94	51 (1.1)	65 (1.4)	0.19
Others	468 (10.0)	452 (9.7)	0.57	11 (0.2)	13 (0.3)	0.68
Diuretics	1950 (41.8)	1949 (41.7)	0.96	516 (11.1)	647 (13.8)	<.001
Loop diuretics	823 (17.6)	833 (17.8)	0.80	304 (6.5)	382 (8.2)	<.01
Thiazides	826 (17.7)	787 (16.8)	0.28	170 (3.6)	236 (5.1)	<.001
Thiazide-like diuretics	325 (7.0)	355 (7.6)	0.24	73 (1.6)	93 (2.0)	0.12
Aldosterone antagonists	254 (5.4)	250 (5.4)	0.85	117 (2.5)	95 (2.0)	0.13
Lipid-lowering drugs	3554 (76.1)	3511 (75.1)	0.27	417 (8.9)	481 (10.3)	0.026
Statins	3395 (72.7)	3334 (71.4)	0.14	379 (8.1)	450 (9.6)	0.010
Ezetimibe	163 (3.5)	166 (3.6)	0.87	17 (0.4)	16 (0.3)	0.86
Others	492 (10.5)	510 (10.9)	0.56	62 (1.3)	64 (1.4)	0.86
Platelet aggregation inhibitors	3203 (68.6)	3119 (66.8)	0.06	375 (8.0)	427 (9.1)	0.06

Acetylsalicylic acid	2975 (63.7)	2899 (62.1)	0.09	335 (7.2)	369 (7.9)	0.19
Clopidogrel, ticlopidine, prasugrel, ticagrelor	718 (15.4)	743 (15.9)	0.49	104 (2.2)	124 (2.7)	0.18
Other anti-thrombotic drugs	309 (6.6)	314 (6.7)	0.84	235 (5.0)	275 (5.9)	0.07
Antihyperglycemic medication						
Metformin	3537 (75.8)	3599 (77.0)	0.15	250 (5.4)	301 (6.4)	0.026
Sulfonylureas	2362 (50.6)	2359 (50.5)	0.92	353 (7.6)	505 (10.8)	<.001
Alpha-glucosidase inhibitors	137 (2.9)	122 (2.6)	0.34	83 (1.8)	147 (3.1)	<.001
Thiazolidinediones	294 (6.3)	279 (6.0)	0.51	99 (2.1)	160 (3.4)	<.001
DPP-4 inhibitors	4 (<0.1)	2 (<0.1)	0.41	149 (3.2)	170 (3.6)	0.24
GLP-1RAs	0	1 (<0.1)	0.32	87 (1.9)	139 (3.0)	<.001
SGLT-2 inhibitors	N/A	N/A	N/A	100 (2.1)	130 (2.8)	0.046
Glinides	177 (3.8)	171 (3.7)	0.74	85 (1.8)	137 (2.9)	<.001
Others	0	1 (<0.1)	0.32	0	1 (<0.1)	0.32
Insulin treatment	2035 (43.6)	2124 (45.5)		1336 (28.6)	2018 (43.2)	
Premix	483 (10.3)	471 (10.1)	0.67	683 (14.6)	1067 (22.8)	<.001
Short-acting	112 (2.4)	98 (2.1)	0.33	641 (13.7)	984 (21.1)	<.001
Intermediate-acting	643 (13.8)	679 (14.5)	0.29	687 (14.7)	998 (21.4)	<.001
Long-acting	1098 (23.5)	1122 (24.0)	0.58	747 (16.0)	1153 (24.7)	<.001
Other insulins	59 (1.3)	48 (1.0)	0.28	226 (4.8)	321 (6.9)	<.001
No insulin treatment	2633 (56.4)	2548 (54.5)	0.07	1832 (39.2)	1343 (28.7)	<.001

Differences in use of cardiovascular and antihyperglycemic medications at baseline and during trial were tested using Pearson's Chi-square test.

Data are number of patients (percent of group).

N/A: Not applicable as SGLT-2 inhibitors were not approved at baseline.

Table S5. Additional pancreatic cancer data (number of subjects with an event).

	Liraglutide	Placebo
Neoplasm adjudication	13	5
Neoplasm + death adjudication	13	9
MedDRA search in AE database (not adjudicated)	11	10

Analysis of pancreatic cancer was established using a 3-step independent process. First, all neoplasms were adjudicated by the Event Adjudication Committee (EAC), foremost by histology or cytology, to establish a tissue of origin. Eighteen neoplasms with the tissue of origin “pancreas” were identified by the EAC, 13 in the liraglutide group and 5 in the placebo group. Second, all deaths were adjudicated, with a diagnosis provided for all confirmed non-cardiovascular deaths using less stringent criteria, i.e., not requiring a pathological diagnosis for neoplasms. In this step, another four deaths were adjudicated as from malignancy related to pancreatic cancer, all in the placebo group. Third, based on investigator reports of adverse events and use of MedDRA SMQ search criteria, 21 subjects with pancreatic cancer were identified: 11 in the liraglutide group and 10 in the placebo group.

Table S6. Severe hypoglycemia events by randomized treatment.

Treatment group	Number of severe hypoglycemia events	Number of participants experiencing that number of events
Liraglutide	1	90
	2	12
	3	6
	4	3
	5	1
	10	1
	19	1
	Total	114
Placebo	1	119
	2	21
	3	5
	4	4
	5	2
	6	1
	47	1
	Total	153

The proportion of participants with one or more severe events (logistic regression adjusted for covariates): odds ratio = 0.75 [95% CI 0.59-0.96].