

# Diabetes Care


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## Commentaries

- 1907 Fried Foods, Gut Microbiota, and Glucose Metabolism  
*L. Qi*
- 1910 Blood Pressure Limbo—How Low Can You Go?  
*A. Matar and J.W. McEvoy*
- 1913 Dietary Linoleic Acid: Will Modifying Dietary Fat Quality Reduce the Risk of Type 2 Diabetes?  
*M.B. Schulze*

## Diabetes Care Symposium—Diabetes and COVID-19 at 18 Months

- 1916 Diabetes and COVID-19: Population Impact 18 Months Into the Pandemic  
 *E.W. Gregg, M.K. Sophiea, and M. Weldegiorgis*
- 1924 COVID-19 and Type 1 Diabetes: Addressing Concerns and Maintaining Control  
*L.A. DiMeglio*
- 1929 Diabetes, Obesity, COVID-19, Insulin, and Other Antidiabetes Drugs  
*P. Dandona and H. Ghanim*

## The RISE Study—More Insights Into T2D in Youth and Adults


- 1934 Further RISE'ing to the Challenge of Type 2 Diabetes in Youth  
*K.R. Klein and J.B. Buse*
- 1938 Baseline Predictors of Glycemic Worsening in Youth and Adults With Impaired Glucose Tolerance or Recently Diagnosed Type 2 Diabetes in the Restoring Insulin Secretion (RISE) Study  
*S. Sam, S.L. Edelstein, S.A. Arslanian, E. Barengolts, T.A. Buchanan, S. Caprio, D.A. Ehrmann, T.S. Hannon, A.H. Tjaden, S.E. Kahn, K.J. Mather, M. Tripputi, K.M. Utzschneider, A.H. Xiang, and K.J. Nadeau, The RISE Consortium*
- 1948 Effect of Medical and Surgical Interventions on  $\alpha$ -Cell Function in Dysglycemic Youth and Adults in the RISE Study  
*S.E. Kahn, S.L. Edelstein, S.A. Arslanian, E. Barengolts, S. Caprio, D.A. Ehrmann, T.S. Hannon, S. Marcovina, K.J. Mather, K.J. Nadeau, K.M. Utzschneider, A.H. Xiang, and T.A. Buchanan, The RISE Consortium*
- 1961 Hyperglucagonemia Does Not Explain the  $\beta$ -Cell Hyperresponsiveness and Insulin Resistance in Dysglycemic Youth Compared With Adults: Lessons From the RISE Study  
*S.E. Kahn, K.J. Mather, S.A. Arslanian, E. Barengolts, T.A. Buchanan, S. Caprio, D.A. Ehrmann, T.S. Hannon, S. Marcovina, K.J. Nadeau, K.M. Utzschneider, A.H. Xiang, and S.L. Edelstein, The RISE Consortium*

## Clinical Care/Education/Nutrition/Psychosocial Research

- 1970 The Association of Fried Meat Consumption With the Gut Microbiota and Fecal Metabolites and Its Impact on Glucose Homeostasis, Intestinal Endotoxin Levels, and Systemic Inflammation: A Randomized Controlled-Feeding Trial  
*J. Gao, X. Guo, W. Wei, R. Li, K. Hu, X. Liu, W. Jiang, S. Liu, W. Wang, H. Sun, H. Wu, Y. Zhang, W. Gu, Y. Li, C. Sun, and T. Han*
- 1980 Personalized Postprandial Glucose Response—Targeting Diet Versus Mediterranean Diet for Glycemic Control in Prediabetes  
*O. Ben-Yacov, A. Godneva, M. Rein, S. Shilo, D. Kolobkov, N. Koren, N. Cohen Dolev, T. Travinsky Shmul, B.C. Wolf, N. Kosower, K. Sagiv, M. Lotan-Pompan, N. Zmora, A. Weinberger, E. Elinav, and E. Segal*


## Epidemiology/Health Services Research

- 1992 Epigenome-Wide Association Study Reveals Methylation Loci Associated With Offspring Gestational Diabetes Mellitus Exposure and Maternal Methylome  
*M. Canouil, A. Khamis, E. Keikkala, S. Hummel, S. Lobbens, A. Bonnefond, F. Delahaye, E. Tzala, S. Mustaniemi, M. Vääräsmäki, M.-R. Jarvelin, S. Sebert, E. Kajantie, P. Froguel, and T. Andrew*

- 2000 Chronic Kidney Disease Testing Among Primary Care Patients With Type 2 Diabetes Across 24 U.S. Health Care Organizations  
 *N. Stempniewicz, J.A. Vassalotti, J.K. Cuddeback, E. Ciemins, A. Storfes-Isser, Y. Sang, K. Matsushita, S.H. Ballew, A.R. Chang, A.S. Levey, R.A. Bailey, J. Fishman, and J. Coresh*

- 2010 Rising Rates and Widening Socioeconomic Disparities in Diabetic Ketoacidosis in Type 1 Diabetes in Scotland: A Nationwide Retrospective Cohort Observational Study  
*J.E. O'Reilly, A. Jeyam, T.M. Caparrotta, J. Mellor, A. Hohn, P.M. McKeigue, S.J. McGurnaghan, L.A.K. Blackburn, R. McCrimmon, S.H. Wild, J.R. Petrie, J.A. McKnight, B. Kennon, J. Chalmers, S. Phillip, G. Leese, R.S. Lindsay, N. Sattar, F.W. Gibb, and H.M. Colhoun, for the Scottish Diabetes Research Network Epidemiology Group*

- 2018 Genetic Risk Score for Type 2 Diabetes and Traits Related to Glucose-Insulin Homeostasis in Youth: The Exploring Perinatal Outcomes Among Children (EPOCH) Study  
*M.A. Stanislawski, E. Litkowski, S. Raghavan, K.K. Harrall, J. Shaw, D.H. Glueck, E.M. Lange, D. Dabelea, and L.A. Lange*

- 2025 Chronic Kidney Disease Testing Among At-Risk Adults in the U.S. Remains Low: Real-World Evidence From a National Laboratory Database  
 *D. Alfego, J. Ennis, B. Gillespie, M.J. Lewis, E. Montgomery, S. Ferrè, J.A. Vassalotti, and S. Letovsky*

- 2033 Fractures and Osteoporosis in Patients With Diabetes With Charcot Foot  
*O.C. Rabe, M. Winther-Jensen, K.H. Allin, and O.L. Svendsen*

- 2039 TCF7L2 Genetic Variants Do Not Influence Insulin Sensitivity or Secretion Indices in Autoantibody-Positive Individuals at Risk for Type 1 Diabetes  
*M.J. Redondo, M.V. Warnock, I.M. Libman, L.E. Bocchino, D. Cuthbertson, S. Geyer, A. Pugliese, A.K. Steck, C. Evans-Molina, D. Becker, J.M. Sosenko, F. Bacha, and the Type 1 Diabetes TrialNet Study Group*

- 2045 Glucose-Lowering Therapy in Patients With Postpancreatitis Diabetes Mellitus: A Nationwide Population-Based Cohort Study  
*R. Viggers, M.H. Jensen, H.V.B. Laursen, A.M. Drewes, P. Vestergaard, and S.S. Olesen*

- 2053 Racial, Rural, and Regional Disparities in Diabetes-Related Lower-Extremity Amputation Rates, 2009–2017  
*M.A. Akinlotan, K. Primm, J.N. Bolin, A.L.F. Cheres, J. Lee, T. Callaghan, and A.O. Ferdinand*

## Emerging Therapies: Drugs and Regimens

- 2061 Effects of Fluid Rehydration Strategy on Correction of Acidosis and Electrolyte Abnormalities in Children With Diabetic Ketoacidosis  
*A. Rewers, N. Kuppermann, M.J. Stoner, A. Garro, J.E. Bennett, K.S. Quayle, J.E. Schunk, S.R. Myers, J.K. McManemy, L.E. Nigrovic, J.L. Trainor, L. Tzimenatos, M.Y. Kwok, K.M. Brown, C.S. Olsen, T.C. Casper, S. Ghetti, N.S. Glaser, and the Pediatric Emergency Care Applied Research Network (PECARN) FLUID Study Group*

- 2069 Risk of Major Congenital Malformations or Perinatal or Neonatal Death With Insulin Detemir Versus Other Basal Insulins in Pregnant Women With Preexisting Diabetes: The Real-World EVOLVE Study  
*E.R. Mathiesen, N. Ali, A.C. Alibegovic, E. Anastasiou, K. Cypryk, H. de Valk, J. Dores, F. Dunne, M.-A. Gall, S.D. Garcia, H.P. Hanaire, L.L.N. Husemoen, M. Ivanišević, H.-P. Kempe, D.R. McCance, and P. Damm*

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Supplementary Data



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## Emerging Technologies: Data Systems and Devices

- 2078** A Multitask Deep-Learning System to Classify Diabetic Macular Edema for Different Optical Coherence Tomography Devices: A Multicenter Analysis  
*F. Tang, X. Wang, A.-r. Ran, C.K.M. Chan, M. Ho, W. Yip, A.L. Young, J. Lok, S. Szeto, J. Chan, F. Yip, R. Wong, Z. Tang, D. Yang, D.S. Ng, L.J. Chen, M. Brelén, V. Chu, K. Li, T.H.T. Lai, G.S. Tan, D.S.W. Ting, H. Huang, H. Chen, J.H. Ma, S. Tang, T. Leng, S. Kakavand, S.S. Mannil, R.T. Chang, G. Liew, B. Gopinath, T.Y.Y. Lai, C.P. Pang, P.H. Scanlon, T.Y. Wong, C.C. Tham, H. Chen, P.-A. Heng, and C.Y. Cheung*

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- 2089** Circulating Thrombospondin-2 as a Novel Fibrosis Biomarker of Nonalcoholic Fatty Liver Disease in Type 2 Diabetes  
*C.-H. Lee, W.-K. Seto, D.T.-W. Lui, C.H.-Y. Fong, H.Y. Wan, C.Y.-Y. Cheung, W.-S. Chow, Y.-C. Woo, M.-F. Yuen, A. Xu, and K.S.-L. Lam*
- 2098** Circulating Free Fatty Acid and Phospholipid Signature Predicts Early Rapid Kidney Function Decline in Patients With Type 1 Diabetes  
*F. Afshinnia, T.M. Rajendiran, C. He, J. Byun, D. Montemayor, M. Darshi, J. Tumova, J. Kim, C.P. Limonte, R.G. Miller, T. Costacou, T.J. Orchard, T.S. Ahluwalia, P. Rossing, J.K. Snell-Bergeon, I.H. de Boer, L. Natarajan, G. Michailidis, K. Sharma, and S. Pennathur*
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- 2115** New Insights on the Interactions Between Insulin Clearance and the Main Glucose Homeostasis Mechanisms  
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- 2132** Modification of the Association Between Severe Hypoglycemia and Ischemic Heart Disease by Surrogates of Vascular Damage Severity in Type 1 Diabetes During ~30 Years of Follow-up in the DCCT/EDIC Study  
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- 2140** Prestroke Glucose Control and Functional Outcome in Patients With Acute Large Vessel Occlusive Stroke and Diabetes After Thrombectomy  
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- 2149** Atherogenic Dyslipidemia on Admission Is Associated With Poorer Outcome in People With and Without Diabetes Hospitalized for COVID-19  
*A. Bellia, A. Andreadi, L. Giudice, S. De Taddeo, A. Maiorino, I. D'Ippolito, F.M. Giorgino, V. Ruotolo, M. Romano, A. Magrini, N. Di Daniele, P. Rogliani, and D. Lauro*

## Novel Communications in Diabetes

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## Special Report

- ➔ **2162** Preparing for the NASH Epidemic: A Call to Action  
*F. Kanwal, J.H. Shubrook, Z. Younossi, Y. Natarajan, E. Bugianesi, M.E. Rinella, S.A. Harrison, C. Mantzoros, K. Pfothenhauer, S. Klein, R.H. Eckel, D. Kruger, H. El-Serag, and K. Cusi*

## Meta-analysis

- 2173** Dietary Intake of Linoleic Acid, Its Concentrations, and the Risk of Type 2 Diabetes: A Systematic Review and Dose-Response Meta-analysis of Prospective Cohort Studies  
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## Addenda

- 2182** Addendum. 2. Classification and Diagnosis of Diabetes: *Standards of Medical Care in Diabetes—2021*. *Diabetes Care* 2021;44(Suppl. 1):S15–S33  
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- 2183** Addendum. 10. Cardiovascular Disease and Risk Management: *Standards of Medical Care in Diabetes—2021*. *Diabetes Care* 2021;44(Suppl. 1):S125–S150  
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- 2186** Addendum. 11. Microvascular Complications and Foot Care: *Standards of Medical Care in Diabetes—2021*. *Diabetes Care* 2021;44(Suppl. 1):S151–S167  
*American Diabetes Association*

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- 2188** Issues and Events

## e-Letters – Observations

- e169** Excess Mortality in COVID-19-Positive Versus COVID-19-Negative Inpatients With Diabetes: A Nationwide Study  
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- e171** Continuous Glucose Monitoring Improves Glycemic Outcomes in Children With Type 1 Diabetes: Real-World Data From a Population-Based Clinic  
*E.E. Sanderson, M.B. Abraham, G.J. Smith, J.A. Mountain, T.W. Jones, and E.A. Davis*
- e173** Primary Care Health Care Use for Patients With Type 2 Diabetes During the COVID-19 Pandemic  
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- e175** Trends in Diagnosed and Undiagnosed Diabetes Among Adults in the U.S., 2005–2016  
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