

The Art of Diabetes Care

- 517 About the Artist: Jose F. Caro, MD
B. Page

About the Editors

- 518 About the Editor: Camille E. Powe, MD: Advancing Research for Diabetes and Pregnancy
B. Page

Profiles in Progress

- 520 David M. Nathan: An Epic Investigator, An Epoch in Diabetes Care
D.J. Wexler

In This Issue

- 527 In This Issue of *Diabetes Care*
M. Bingham

Editor's Note

- 529 A Special Thanks to the Reviewers of *Diabetes Care*

Review

- 531 Cardiovascular and Kidney Risks in Individuals With Type 2 Diabetes: Contemporary Understanding With Greater Emphasis on Excess Adiposity
N. Sattar, C. Presslie, M.K. Rutter, and D.K. McGuire

ADA Statement

- 544 Diabetes Management in Detention Facilities: A Statement of the American Diabetes Association
D.L. Lorber, N.A. ElSayed, R.R. Bannuru, V. Shah, M. Puisis, J. Crandall, S. Fech-Baughman, B. Wakeen, J.J. Danton, R. Hunter-Buskey, K. Moritsugu, E. Wang, M. Desimone, R. Weinstock, A. Fischer, J. Sherman, G. Eber, and W. Sheffelman

Reports from the GRADE Study

- 556 Individualizing Treatment of Type 2 Diabetes After Metformin: More Insights From GRADE
M.C. Riddle
- 562 Association of Baseline Factors With Glycemic Outcomes in GRADE: A Comparative Effectiveness Randomized Clinical Trial
W.T. Garvey, R.M. Cohen, N.M. Butera, E.J. Kazemi, N. Younes, S.P. Rosin, C.E. Suratt, A. Ahmann, P.A. Hollander, J. Krakoff, C.L. Martin, E. Seaquist, M.W. Steffes, and J.M. Lachin, for the GRADE Research Group
- 571 Impact of Insulin Sensitivity and β -Cell Function Over Time on Glycemic Outcomes in the Glycemia Reduction Approaches in Diabetes: A Comparative Effectiveness Study (GRADE): Differential Treatment Effects of Dual Therapy
K.M. Utzschneider, N. Younes, N.M. Butera, A. Balasubramanyam, R.M. Bergenstal, J. Barzilay, C. DeSouza, R.A. DeFronzo, T. Elasy, J. Krakoff, S.E. Kahn, N. Rasouli, W.M. Valencia, and W.I. Sivitz, for the GRADE Research Group
- 580 Longitudinal Effects of Glucose-Lowering Medications on β -Cell Responses and Insulin Sensitivity in Type 2 Diabetes: The GRADE Randomized Clinical Trial
N. Rasouli, N. Younes, A. Ghosh, J. Albu, R.M. Cohen, R.A. DeFronzo, E. Diaz, L. Sayyed Kassem, J.A. Luchsinger, J.B. McGill, W.I. Sivitz, W.V. Tamborlane, K.M. Utzschneider, and S.E. Kahn, for the GRADE Research Group
- 589 Mortality in the Glycemia Reduction Approaches in Diabetes: A Comparative Effectiveness Study (GRADE)
M.A. Banerji, J.B. Buse, N. Younes, H. Krause-Steinrauf, A. Ghazi, M. Lee, J. Park, R. Pop-Busui, C. Underkofler, and S.P. Fortmann, for the GRADE Research Group

- 594 Comparative Effects of Randomized Second-line Therapy for Type 2 Diabetes on a Composite Outcome Incorporating Glycemic Control, Body Weight, and Hypoglycemia: An Analysis of the Glycemia Reduction Approaches in Diabetes: A Comparative Effectiveness Study (GRADE)
M.S. Kirkman, M. Tripputi, H. Krause-Steinrauf, I. Bebu, H. AbouAssi, H. Burch, E. Duran-Valdez, H. Florez, W.T. Garvey, D.S. Hsia, M. Salam, and R. Pop-Busui, for the GRADE Research Group

- 603 Impact of Glucose-Lowering Medications on Health-Related Quality of Life in the Glycemia Reduction Approaches in Diabetes: A Comparative Effectiveness Study (GRADE)
A.L. Cherrington, M.T. Tripputi, N. Younes, W.H. Herman, A. Katona, E.J. Groessl, J. Craig, J.S. Gonzalez, R. Garg, S. Casula, S. Kuo, and H.J. Florez, for the GRADE Research Group

- 610 Differential Effects of Type 2 Diabetes Treatment Regimens on Diabetes Distress and Depressive Symptoms in the Glycemia Reduction Approaches in Diabetes: A Comparative Effectiveness Study (GRADE)
J.S. Gonzalez, I. Bebu, H. Krause-Steinrauf, C.J. Hoogendoorn, G. Crespo-Ramos, C. Presley, A.D. Naik, S. Kuo, M.L. Johnson, D. Wexler, J.P. Crandall, A.E. Bantle, V. Arends, and A.L. Cherrington, for the GRADE Research Group

- 620 Does Emotional Distress Predict Worse Glycemic Control Over Time? Results From the Glycemia Reduction Approaches in Diabetes: A Comparative Effectiveness Study (GRADE)
A.L. Cherrington, I. Bebu, H. Krause-Steinrauf, C.J. Hoogendoorn, G. Crespo-Ramos, C. Presley, A.D. Naik, A. Balasubramanyam, M.R. Gramzinski, T. Killeen, V.L. Arends, and J.S. Gonzalez, for the GRADE Research Group

- 629 Emotional Distress Predicts Reduced Type 2 Diabetes Treatment Adherence in the Glycemia Reduction Approaches in Diabetes: A Comparative Effectiveness Study (GRADE)
C.J. Hoogendoorn, H. Krause-Steinrauf, D. Uschner, H. Wen, C.A. Presley, E.A. Legowski, A.D. Naik, S.H. Golden, V.L. Arends, J. Brown-Friday, J.A. Krakoff, C.E. Suratt, A.H. Waltje, A.L. Cherrington, and J.S. Gonzalez, for the GRADE Research Group

- 638 The Use of Rescue Insulin in the Glycemia Reduction Approaches in Diabetes: A Comparative Effectiveness Study (GRADE)
P.A. Hollander, H. Krause-Steinrauf, N.M. Butera, E.J. Kazemi, A.J. Ahmann, B.N. Fattaleh, M.L. Johnson, T. Killeen, V.S. Lagari, M.E. Larkin, E.A. Legowski, N. Rasouli, H.J. Willis, and C.L. Martin for the GRADE Research Group

Commentary

- 646 Prompt Recognition of New-Onset Type 1 Diabetes Is Everyone's Responsibility—Even on Weekends
L.M. Jacobsen

Original Research

- 649 Association of Diabetic Ketoacidosis in Childhood New-Onset Type 1 Diabetes With Day of Presentation in Germany
C. Kamrath, M. Sindichakis, M. Auzanneau, S. Schmid, H. Segerer, V. Lahn, S. Golembowsky, D. Roessner-Cold, K. Rauh, U. Manuwald, and R.W. Holl
- 653 Efficacy and Safety of Glucagon-Like Peptide-1 Agonists in a Retrospective Study of Patients With Familial Partial Lipodystrophy
M.C. Foss-Freitas, S. Imam, A. Neidert, A.D. Gomes, D.T. Broome, and E.A. Oral
- 660 Demographic, Clinical, Management, and Outcome Characteristics of 8,004 Young Children With Type 1 Diabetes
J.L. Sandy, S.R. Tittel, S. Rompicherla, B. Karges, S. James, N. Riales, A.G. Zimmerman, E. Fröhlich-Reiterer, D.M. Maahs, S. Lanzinger, M.E. Craig, and O. Ebekozi, on behalf of the Australasian Diabetes Data Network (ADDN), the T1D Exchange Quality Improvement Collaborative (T1DX-QI), and the Prospective Diabetes Follow-Up Registry Initiative (DPV)

Keep up with the latest information for *Diabetes Care* and other ADA titles via Facebook (/ADAPublications) and X (@ADA_Pubs and @DiabetesCareADA).

All articles in *Diabetes Care* are available online at diabetesjournals.org/care. Featured articles (➡) and select content are available free of charge. Other articles are available free to print subscribers or can be purchased as e-prints or reprints.

ADA's *Diabetes Core Update* and *Diabetes Care "On Air"* podcasts are available at diabetesjournals.org and through iTunes.

Icons shown below appear on the first page of an article if more information is available online.



Video



Podcast



Supplementary Data



Companion Article

- 668 Empagliflozin Reduces Liver Fat in Individuals With and Without Diabetes
S. Abdelgani, A. Khattab, J. Adams, G. Baskoy, M. Brown, G. Clarke, O. Larvenenko, R.A. DeFronzo, and M. Abdul-Ghani
- 676 Longitudinal Changes in Sex Hormone Binding Globulin (SHBG) and Risk of Incident Diabetes: The Study of Women's Health Across the Nation (SWAN)
M.M. Hedderson, A. Capra, C. Lee, L.A. Habel, J. Lee, E.B. Gold, S.E. Badon, S.D. Mitro, and S.R. El Khoudary
- 683 A Real-World Prospective Study of the Effectiveness and Safety of Automated Insulin Delivery Compared With Other Modalities of Type 1 Diabetes Treatment During Ramadan Intermittent Fasting
M.E. Al-Sofiani, S. Alharthi, S. Albunyan, N. Alzaman, D.C. Klonoff, and A. Alguwaihes
- 692 Disparities in Sodium–Glucose Cotransporter 2 (SGLT2) Inhibitor Prescription and Dispensing in the Israeli Population—A Retrospective Cohort Study
Y. Leibovici Weissman, B. Calvarysky, T. Shochat, Z. Korotkov, A. Grossman, L. Leibovici, and A. Turjeman
-  698 Epidemiology and Prognostic Implications of Coronary Artery Calcium in Asymptomatic Individuals With Prediabetes: A Multicohort Study
M. Al Rifai, M.H. Al-Mallah, M.J. Blaha, J. Patel, J.W. McEvoy, K. Nasir, I. Shahid, K.V. Patel, G. Sharma, J. Marrugat, H. Tizon-Marcos, R. Erbel, A. Stang, K.-H. Jöckel, N. Lehmann, S. Schramm, B. Schmidt, R.S. Blumenthal, S.S. Virani, V. Nambi, and M. Cainzos-Achirica
-  707 Improved Glycemic Outcomes With Diabetes Technology Use Independent of Socioeconomic Status in Youth With Type 1 Diabetes
K.E. Lomax, C.E. Taplin, M.B. Abraham, G.J. Smith, A. Haynes, E. Zomer, K.L. Ellis, H. Clapin, S. Zoungas, A.J. Jenkins, J. Harrington, M.I. de Bock, T.W. Jones, and E.A. Davis, on behalf of the Australasian Diabetes Data Network (ADDN) Study Group
- 712 Risk of Anaphylaxis Among New Users of GLP-1 Receptor Agonists: A Cohort Study
M.S. Anthony, V.R. Aroda, L.E. Parlett, L. Djebbari, S. Berreghis, B. Calingaert, D.C. Beachler, C.L. Crowe, C.B. Johannes, J. Juhaeri, S. Lanes, C. Pan, K.J. Rothman, C.W. Saltus, and K.E. Walsh
- ➡ 720 Lifetime Duration of Breastfeeding and Cardiovascular Risk in Women With Type 2 Diabetes or a History of Gestational Diabetes: Findings From Two Large Prospective Cohorts
A. Birukov, M. Guasch-Ferré, S.H. Ley, D.K. Tobias, F. Wang, C. Wittenbecher, J. Yang, J.E. Manson, J.E. Chavarro, F.B. Hu, and C. Zhang
- 729 Continuous Glucose Monitoring–Based Metrics and Hypoglycemia Duration in Insulin-Experienced Individuals With Long-standing Type 2 Diabetes Switched From a Daily Basal Insulin to Once-Weekly Insulin Icodec: Post Hoc Analysis of ONWARDS 2 and ONWARDS 4
H.S. Bajaj, B. Ásbjörnsdóttir, L. Carstensen, C. Laugesen, C. Mathieu, A. Philis-Tsimikas, and T. Battelino
- 739 Identifying Preferred Features of Weight Loss Programs for Adults With or at Risk of Type 2 Diabetes: A Discrete Choice Experiment With 3,960 Adults in the U.K.
J. Buckell, C.A. Mitchell, K. Fryer, C. Newbert, A. Brennan, J. Joyce, S.A. Jebb, P. Aveyard, N. Guess, and E. Morris

- 747 Improved Satisfaction While Maintaining Safety and High Time in Range (TIR) With a Medtronic Investigational Enhanced Advanced Hybrid Closed-Loop (e-AHCL) System
C.Y. Yuan, Y.W. Kong, T. Amoores, K. Brown, B. Grosman, A. Jenkins, H. Jones, N. Kurtz, M.H. Lee, R. MacIsaac, E. Netzer, B. Paldus, L. Robinson, A. Roy, C.M. Sims, S. Trawley, S. Vogrin, and D.N. O'Neal
- 756 Prevalence and Predictive Factors for Celiac Disease in Children With Type 1 Diabetes: Whom and When to Screen? A Nationwide Longitudinal Cohort Study of Swedish Children
M. Lindgren, F. Norström, M. Persson, H. Elding Larsson, G. Forsander, K. Åkesson, U. Samuelsson, J. Ludvigsson, and A. Carlsson

e-Letters – Comments and Responses

- e32 Comment on Kutz et al. Comparative Cardiovascular Effectiveness and Safety of SGLT-2 Inhibitors, GLP-1 Receptor Agonists, and DPP-4 Inhibitors According to Frailty in Type 2 Diabetes. *Diabetes Care* 2023;46:2004–2014
G. Maltese and A.J. Sinclair
- e34 Comment on Umaphysivam et al. Euglycemic Ketoacidosis in Two Patients Without Diabetes After Introduction of Sodium–Glucose Cotransporter 2 Inhibitor for Heart Failure With Reduced Ejection Fraction. *Diabetes Care* 2024;47:140–143
Y. Nakasone, K. Yamashita, and T. Aizawa
- e35 Comment on Umaphysivam et al. Euglycemic Ketoacidosis in Two Patients Without Diabetes After Introduction of Sodium–Glucose Cotransporter 2 Inhibitor for Heart Failure With Reduced Ejection Fraction. *Diabetes Care* 2024;47:140–143
N. Foussard, A. Larroumet, M.-A. Barbet-Massin, L. Blanco, K. Mohammadi, T. Couffinal, S. Fawaz, Y. Pucheu, and V. Rigalleau
- e36 Comment on Zuraikat et al. Chronic Insufficient Sleep in Women Impairs Insulin Sensitivity Independent of Adiposity Changes: Results of a Randomized Trial. *Diabetes Care* 2024;47:117–125
T. Kawada
- e37 Response to Comment on Zuraikat et al. Chronic Insufficient Sleep in Women Impairs Insulin Sensitivity Independent of Adiposity Changes: Results of a Randomized Trial. *Diabetes Care* 2024;47:117–125
M.-P. St-Onge, F.M. Zuraikat, B. Laferrière, S. Jelic, and B. Aggarwal

Errata

- 761 Erratum. 5. Facilitating Positive Health Behaviors and Well-being to Improve Health Outcomes: *Standards of Care in Diabetes—2024*. *Diabetes Care* 2024;47(Suppl. 1):S77–S110
American Diabetes Association Professional Practice Committee
- 763 Erratum. Diabetes in South Asians: Uncovering Novel Risk Factors With Longitudinal Epidemiologic Data: Kelly West Award Lecture 2023. *Diabetes Care* 2024;47:7–16
A.M. Kanaya

Issues and Events

- 764 Issues and Events