Realizing Better Diabetes Outcomes Through a Diabetes Data Revolution

FROM RESEARCH TO PRACTICE

179 Preface
Aaron J. Kowalski, Guest Editor

183 Personal Versus Professional Continuous Glucose Monitoring: When to Use Which on Whom
Rebecca Longo and Scott Sperling

194 A Clinical Overview of Insulin Pump Therapy for the Management of Diabetes: Past, Present, and Future of Intensive Therapy
Cari Berget, Laurel H. Messer, and Gregory P. Forlenza

205 Single-Hormone Artificial Pancreas Use in Diabetes: Clinical Efficacy and Remaining Challenges
Nadine Taleb, Sémah Tagougui, and Rémi Rabasa-Lhoret

209 Automated Insulin Delivery Algorithms
Ali Cinar

215 Insulin-and-Glucagon Artificial Pancreas Versus Insulin-Alone Artificial Pancreas: A Short Review
Ahmad Haidar

221 Why Download Data: The Benefits and Challenges of More Diabetes Data
Brandon Arbiter, Howard Look, Lindsay McComb, and Christopher Snider

226 Digital Health Interventions for Diabetes: Everything to Gain and Nothing to Lose
David Kerr, Fraya King, and David C. Klonoff

231 Is There an App for That? The Pros and Cons of Diabetes Smartphone Apps and How to Integrate Them Into Clinical Practice
David T. Ahn and Rachel Stahl

FEATURE ARTICLES

239 Yours, Mine, and Ours: A Qualitative Analysis of the Impact of Type 1 Diabetes Management in Older Adult Married Couples
Michelle L. Litchman, Sarah E. Wawrzynski, Nancy A. Allen, Eunjin L. Tracy, Caitlin S. Kelly, Vicki S. Helgeson, and Cynthia A. Berg

249 Psychosocial Interventions for Emergent Adults With Type 1 Diabetes: Near-Empty Systematic Review and Exploratory Meta-Analysis
Rachel R. Jewell and Kevin M. Gorey

257 Associations Between Diabetes-Related Distress and Cardiovascular Complication Risks in Patients With Type 2 Diabetes and Lower Socioeconomic Status: A Pilot Study
Clipper F. Young, Jinjing Cheng, and Gordon McCarter

continued on p. 178 ➔
continued from front cover

264 The Management of Diabetes in Conflict Settings: Focus on the Syrian Crisis
Yasmin Khan, Nizar Albache, Ibrahim Almasri, and Robert A. Gabbay

270 Living With Hypoglycemia: An Exploration of Patients’ Emotions: Qualitative Findings From the InHypo-DM Study, Canada
Judith Belle Brown, Sonja M. Reichert, Yashoda Valliere, Susan Webster-Bogaert, Alexandria Ratzki-Leewing, Bridget L. Ryan, and Stewart B. Harris

277 Findings From a National Diabetes Survey: Highlighting Progress and Opportunities for Diabetes Prevention and Care
M. Sue Kirkman, Diane Tuncer, and Catherine E. Brown

DEPARTMENTS

284 Care Innovations: Brief Literature Review: The Potential of Diabetes Technology to Improve Sleep in Youth With Type 1 Diabetes and Their Parents: An Unanticipated Benefit of Hybrid Closed-Loop Insulin Delivery Systems
Erin C. Cobry and Sarah S. Jaser