

## 2022

1. Stephan P, Eichenlaub M, Waldenmaier D, Pleus S, Rothenbühler M, Haug C, Freckmann G. A statistical approach for assessing the compliance of integrated continuous glucose monitoring systems with FDA accuracy requirements. *Diabetes Technol Ther.* 2022 Oct 28.
2. Eichenlaub M, Stephan P, Waldenmaier D, Pleus S, Rothenbühler M, Haug C, Hinzmann R, Thomas A, Jendle J, Diem P, Freckmann G. Continuous Glucose Deviation Interval and Variability Analysis (CG-DIVA): A Novel Approach for the Statistical Accuracy Assessment of Continuous Glucose Monitoring Systems. *J Diabetes Sci Technol.* 2022 Nov 3:19322968221134639.
3. Pleus S, Eichenlaub M, Gerber T, Eriksson Boija E, Makris K, Haug C, Freckmann G. Improving the Bias of Comparator Methods in Analytical Performance Assessments Through Recalibration. *J Diabetes Sci Technol.* 2022 Oct 22:19322968221133107.
4. Thomas A, Schlüter S, Naudorf M, Deiss D, Freckmann G, Danne T. Einsatz und Evidenz des kontinuierlichen Glukosemonitorings (CGM) bei Menschen mit Diabetes, überwiegend behandelt mit ICT. *Diabetes Stoffw Herz.* 2022;31:92-109.
5. Schlüter S, Deiss D, Gehr B, Lange K, von Sengbusch S, Thomas A, Ziegler R, Freckmann G. Glukosemessung und -kontrolle bei Patienten mit Typ-1- oder Typ-2-Diabetes. *Diabetologie.* 2022;17(Suppl 2):S111–S132.
6. Landgraf R, Heinemann L, Schleicher E, Gerdes C, Petersmann A, Müller-Wieland D, Müller U, Freckmann G, Thaler M, Ziegler A, Kleinwechter H, Nauck M. Definition, Klassifikation, Diagnostik und Differenzialdiagnostik des Diabetes mellitus: Update 2022. *Diabetologie.* 2022;17(Suppl 2):S98–S110.
7. Schleicher E, Gerdes C, Petersmann A, Müller-Wieland D, Müller UA, Freckmann G, Heinemann L, Nauck M, Landgraf R. Definition, Classification and Diagnosis of Diabetes Mellitus. *Diabetologie.* 2022;17(Suppl 2):S98–S110.
8. Schlüter S, Deiss D, Gehr B, Lange K, von Sengbusch S, Thomas A, Ziegler R, Freckmann G. Glucose Measurement and Control in Patients with Type 1 or Type 2 Diabetes. *Exp Clin Endocrinol Diabetes.* 2022 Sep;130(S 01):S19-S38.

9. Hermanns N, Ehrmann D, Heinemann L, Freckmann G, Waldenmaier D, Calhoun P. Real-Time Continuous Glucose Monitoring Can Predict Severe Hypoglycemia in People with Type 1 Diabetes: Combined Analysis of the HypoDE and DIAMOND Trials. *Diabetes Technol Ther.* 2022 Sep;24(9):603-610.
10. Pleus S, Freckmann G, Baumstark A, Haug C. Stability of Glucose Concentrations in Frozen Plasma. *J Diabetes Sci Technol.* 2022 Sep;16(5):1096-1100.
11. Freckmann G, Baumstark A, Jendrike N, Mende J, Schauer S, Link M, Pleus S, Haug C. Impact of Two Different Reference Measurement Procedures on Apparent System Accuracy of 18 CE-Marked Current-Generation Blood Glucose Monitoring Systems. *J Diabetes Sci Technol.* 2022 Sep;16(5):1076-1088.
12. Freckmann G, Mende J, Pleus S, Waldenmaier D, Baumstark A, Jendrike N, Haug C. Mean Absolute Relative Difference of Blood Glucose Monitoring Systems and Relationship to ISO 15197. *J Diabetes Sci Technol.* 2022 Sep;16(5):1089-1095.
13. Buck S, Krauss C, Waldenmaier D, Liebing C, Jendrike N, Högel J, Pfeiffer BM, Haug C, Freckmann G. Evaluation of Meal Carbohydrate Counting Errors in Patients with Type 1 Diabetes. *Exp Clin Endocrinol Diabetes.* 2022 Jul;130(7):475-483.
14. Freckmann G, Schauer S, Beltzer A, Waldenmaier D, Buck S, Baumstark A, Jendrike N, Link M, Zschornack E, Haug C, Pleus S. Continuous Glucose Profiles in Healthy People With Fixed Meal Times and Under Everyday Life Conditions. *J Diabetes Sci Technol.* 2022 Jul 25:19322968221113341.
15. Baumstark A, Mende J, Uchiyama J, Haug C, Freckmann G. Description of a Novel Patch Pump for Insulin Delivery and Comparative Accuracy Evaluation. *J Diabetes Sci Technol.* 2022 Jul;16(4):971-975.
16. Freckmann G, Heinemann L, Pleus S, Petersmann A, Kaiser P, Nauck M. Messqualität bei der Glukosemessung im Rahmen der Diabetesdiagnose und- therapie in Deutschland. *Dtsch Med Wochenschr.* 2022 Jun 20;147:407-413
17. Freckmann G, Pleus S, Schauer S, Link M, Jendrike N, Waldenmaier D, Haug C, Stuhr A. Choice of Continuous Glucose Monitoring Systems May Affect Metrics: Clinically Relevant Differences in Times in Ranges. *Exp Clin Endocrinol Diabetes.* 2022 May;130(5):343-350.

18. Kulzer B, Freckmann G, Heinemann L, Schnell O, Hinzmänn R, Ziegler R. Patch Pumps: What are the advantages for people with diabetes? *Diabetes Res Clin Pract.* 2022 May;187:109858.
19. Mende J, Baumstark A, Waldenmaier D, Amirouche A, Barraud A, Fridez P, Haug C, Freckmann G. Accuracy Evaluation of a Novel Reusable Patch Pump Prototype. *J Diabetes Sci Technol.* 2022 May 20:19322968221097997.
20. Baumstark A, Pleus S, Hartwig M, Freckmann G. Evaluation of Trueness and Precision of a Bench-Top Laboratory Glucose Analyzer Using Reference Materials. *J Diabetes Sci Technol.* 2022 May;16(3):751-755.
21. Freckmann G, Baumstark A, Hinzmänn R, Haug C, Pleus S. Comment on "Do We Need the Replacement of YSI 2300? A View from the Clinical Laboratory" by Spanou and Makris. *J Diabetes Sci Technol.* 2022 May;16(3):790-791.
22. Pleus S, Stuhr A, Link M, Schauer S, Freckmann G. Response to Seibold: Data Obtained With Early Generations of CGM Sensors: Comment on Pleus et al. *J Diabetes Sci Technol.* 2022 May;16(3):794-795.
23. Pleus S, Stuhr A, Link M, Haug C, Freckmann G. Variation of Mean Absolute Relative Differences of Continuous Glucose Monitoring Systems Throughout the Day. *J Diabetes Sci Technol.* 2022 May;16(3):649-658.
24. Mende J, Eichenlaub M, Waldenmaier D, Haug C, Freckmann G, Ziegler R. Evaluation of the Accuracy and Reliability of a Tubeless Insulin Infusion System Under Laboratory Conditions. *J Diabetes Sci Technol.* 2022 Jan 19:193229682211070815.
25. Pleus S, Freckmann G, Schauer S, Heinemann L, Ziegler R, Ji L, Mohan V, Calliari LE, Hinzmänn R. Self-Monitoring of Blood Glucose as an Integral Part in the Management of People with Type 2 Diabetes Mellitus. *Diabetes Ther.* 2022 May;13(5):829-846.
26. Eichenlaub M, Ziegler R, Heinemann L, Waldenmaier D, Kamecke U, Haug C, Freckmann G. Patch Pumps: Periodic Insulin Delivery Patterns. *J Diabetes Sci Technol.* 2022 Apr 25:19322968221091843.

27. Klonoff DC, Wang J, Rodbard D, Kohn MA, Li C, Liepmann D, Kerr D, Ahn D, Peters AL, Umpierrez GE, Seley JJ, Xu NY, Nguyen KT, Simonson G, Agus MSD, Al-Sofiani ME, Armaiz-Pena G, Bailey TS, Basu A, Battelino T, Bekele SY, Benhamou PY, Bequette BW, Blevins A. Glycemia Risk Index (GRI) of Hypoglycemia and Hyperglycemia for Continuous Glucose Monitoring Validated by Clinician Ratings. *J Diabetes Sci Technol.* 2022 Mar 29:19322968221085273.
28. Moser O, Sternad C, Eckstein ML, Szadkowska A, Michalak A, Mader JK, Ziko H, Elsayed H, Aberer F, Sola-Gazagnes A, Larger E, Fadini GP, Bonora BM, Bruttomesso D, Boscari F, Freckmann G, Pleus S, Christiansen SC, Sourij H. Performance of intermittently scanned continuous glucose monitoring systems in people with type 1 diabetes: A pooled analysis. *Diabetes Obes Metab.* 2022 Mar;24(3):522-529.
29. Eichenlaub M, Pleus S, Shaginian R, Richardson J, Pardo S, Stuhr A, Freckmann G. Impact of Blood Glucose Monitoring System Accuracy on Clinical Decision Making for Diabetes Management. *J Diabetes Sci Technol.* 2022 Feb 28:19322968221080916.
30. Schlüter S, Freckmann G, Wernsing M, Roelver K, Joerdening M, Holder M, Lange K. Entwicklung und psychometrische Evaluation eines herstellerunabhängigen Wissenstests zum kontinuierlichen Glukosemonitoring in Echtzeit für insulinbehandelte Menschen mit Diabetes. *Diabetologie.* 2022; 17:129-135

### 2021

1. Freckmann G, Nichols JH, Hinzmänn R, Klonoff DC, Ju Y, Diem P, Makris K, Slingerland RJ. Standardization process of continuous glucose monitoring: Traceability and performance. *Clin Chim Acta*. 2021 Apr;515:5-12.
2. Ziegler R, Heinemann L, Freckmann G, Schnell O, Hinzmänn R, Kulzer B. Intermittent Use of Continuous Glucose Monitoring: Expanding the Clinical Value of CGM. *J Diabetes Sci Technol*. 2021 May;15(3):684-694.
3. Freckmann G, Buck S, Waldenmaier D, Kulzer B, Schnell O, Gelchsheimer U, Ziegler R, Heinemann L. Insulin Pump Therapy for Patients With Type 2 Diabetes Mellitus: Evidence, Current Barriers, and New Technologies. *J Diabetes Sci Technol*. 2021 Jul;15(4):901-915.
4. Ziegler R, Oliver N, Waldenmaier D, Mende J, Haug C, Freckmann G. Evaluation of the Accuracy of Current Tubeless Pumps for Continuous Subcutaneous Insulin Infusion. *Diabetes Technol Ther*. 2021 May;23(5):350-357.
5. Kress S, Anderten H, Borck A, Freckmann G, Heinemann L, Holzmüller U, Kulzer B, Portele A, Schnell O, Varlemann H, Zemmrich C, Lobmann R. Preulcerous Risk Situation in Diabetic Foot Syndrome: Proposal for a Simple Ulcer Prevention Score. *J Diabetes Sci Technol*. 2021 Jul;15(4):816-826.
6. Auzanneau M, Rosenbauer J, Maier W, von Sengbusch S, Hamann J, Kapellen T, Freckmann G, Schmidt S, Lilienthal E, Holl RW. Heterogeneity of Access to Diabetes Technology Depending on Area Deprivation and Demographics Between 2016 and 2019 in Germany. *J Diabetes Sci Technol*. 2021 Sep;15(5):1059-1068.
7. Freckmann G, Buck S, Waldenmaier D, Zschornack E, Link M, Jendrike N, Obstfelder I, Vetrugno S, Kamann S, Haug C. Skin Reaction Report Form: Development and Design of a Standardized Report Form for Skin Reactions Due to Medical Devices for Diabetes Management. *J Diabetes Sci Technol*. 2021 Jul;15(4):801-806.
8. Pleus S, Kamecke U, Waldenmaier D, Link M, Zschornack E, Jendrike N, Haug C, Freckmann G. Time in Specific Glucose Ranges, Glucose Management Indicator, and Glycemic Variability: Impact of Continuous Glucose Monitoring (CGM) System Model and Sensor on CGM Metrics. *J Diabetes Sci Technol*. 2021 Sep;15(5):1104-1110.

9. Waldenmaier D, Freckmann G, Pleus S, Hermanns N, Ehrmann D, Heinemann L, Haug C. Therapy adjustments in people with type 1 diabetes with impaired hypoglycemia awareness on multiple daily injections using real-time continuous glucose monitoring: a mechanistic analysis of the HypoDE study. *BMJ Open Diabetes Res Care*. 2021 Apr;9(1):e001848.
10. Eichenlaub M, Saccomani MP, Hattersley JG, Khovanova NA. Comment on “Minimal and Maximal Models to Quantitate Glucose Metabolism: Tools to Measure, to Simulate and to Run in Silico Clinical Trials”. *J Diabetes Sci Technol*. 2021.
11. Schleicher E, Gerdes C, Petersmann A, Müller-Wieland D, Müller UA, Freckmann G, Heinemann L, Nauck M, Landgraf R. Definition, Klassifikation und Diagnostik des Diabetes mellitus: Update 2021. *Diabetologie*. 2021;16(Suppl 2):S110–S118.
12. Schlüter S, Deiss D, Gehr B, Lange K, von Sengbusch S, Thomas A, Ziegler R, Freckmann G. Glukosemessung und -kontrolle bei Patienten mit Typ-1-oder Typ-2-Diabetes. *Diabetologie*. 2021;16(Suppl 2):S119–S141.
13. Thomas A, Freckmann G. Wie valide ist für Patienten mit Typ-2-Diabetes der Einsatz von Diabetestechnologie? *Diabetes Stoffw Herz*. 2021;30:244-251.
14. Schlüter S, Freckmann G, Heinemann L, Wintergerst P, Lange K. Evaluation of the SPECTRUM training programme for real-time continuous glucose monitoring: A real-world multicentre prospective study in 120 adults with type 1 diabetes. *Diabet Med*. 2021 Feb;38(2):e14467.
15. Schlüter S, Freckmann G, Heinemann L, Wintergerst P, Lange K. Evaluierung des SPECTRUM-Schulungs- und Behandlungsprogramms zum rtCGM: eine multizentrische, prospektive Studie aus der Praxis bei 120 Erwachsenen mit Diabetes. *Diabetes Stoffw Herz*. 2021;30,02/2021:85-94
16. Pleus S, Kaiser P, Haug C. Glukosemessmethoden und ihr Einsatz, Qualitätssicherung und rechtliche Rahmenbedingungen bei Laboranalyse-, POCT- und CGM-Systemen. *Diabetes aktuell*. 2021;19:8-13
17. Freckmann G, Buck S, Waldenmaier D, Haug C. Methoden der Stoffwechselkontrolle – HbA1c versus „time in range“. *Diabetologie*. 2021; 17:223–234

18. Petersen B, Vesper I, Pachwald B, Dagenbach N, Buck S, Waldenmaier D, Heinemann L. Diabetes management intervention studies: lessons learned from two studies. *Trials*. 2021 Jan 18;22(1):61.

19. Pleus S, Schauer S, Jendrike N, Zschornack E, Link M, Hepp KD, Haug C, Freckmann G. Proof of Concept for a New Raman-Based Prototype for Noninvasive Glucose Monitoring. *J Diabetes Sci Technol*. 2021 Jan;15(1):11-18.

20. Link M, Kamecke U, Waldenmaier D, Pleus S, Garcia A, Haug C, Freckmann G. Comparative Accuracy Analysis of a Real-time and an Intermittent-Scanning Continuous Glucose Monitoring System. *J Diabetes Sci Technol*. 2021 Mar;15(2):287-293.

### 2020

1. Heinemann L, Nagel-Reuper C, Adamczewski, Freckmann G. Diagnostik des Gestationsdiabetes mellitus in der Praxis. Diabetes aktuell. 2020;18:329-335
2. Tytko A, Schlüter S, Freckman G. Diabetesdiagnostik in der Praxis. Diabetes aktuell. 2020;18:316-322
3. Thomas A, Kolassa R. Messwertunterschiede und Messgenauigkeit von Systemen zum kontinuierlichen Glukosemonitoring. Diabetes aktuell. 2020;18:336-341
4. Baumstark A, Jendrike N. Blutzuckerselbstmessung – wie kann ein korrekter Wert erzielt werden? Diabetes aktuell. 2020;18:323-327
5. Nauck M, Gerdes C, Petersmann A, Müller-Wieland D, Müller U, Freckmann G, Heinemann L, Schleicher E, Landgraf R. Definition, Klassifikation und Diagnostik des Diabetes mellitus\*:Update 2020. Diabetologie. 2020;15(Suppl 1):S9-S17
6. Kulzer B, Anderten H, Borck A, Freckmann G. Verbesserung der Blutzuckereinstellung und des Empowerments bei Patienten mit Diabetes durch Selbstkontrolle des HbA1c-Werts - eine nicht interventionelle Studie. Diab Stoffw Herz. 2020;29(1):9-14
7. Blödt S, Brüggemann M, Freckmann G, Haase D, Heinemann L, Hoffmüller P, Hunfeld K, Klar E, Meisel C, Müller C, Nothacker M, Rabenaus H, Sachs U, Spitzenberger, F Stenzinger A, Vogeser M, Weichert W, Weinstock C, Zimmermann S. Europäische Verordnung über In-vitro-Diagnostika (IVDR) – Hinweis der Sektion „In-vitro-Diagnostik (IVD)“ der Ad-hoc-Kommission „Bewertung von Medizinprodukten“ der AWMF an alle Ärzte, die Labordiagnostik betreiben. GMS Zeitschrift zur Förderung der Qualitätssicherung in medizinischen Laboratorien. 2020;11
8. Freckmann G, Buck S, Waldenmaier D, Zschornack E, Link M, Jendrike N, Obstfelder I, Vetrugno S, Kamann S, Haug C. Befundbogen zum Erfassen von Hautreaktionen im Diabetesmanagement. Diab Stoffw Herz. 2020;29(4):217-222
9. Buck S, Waldenmaier D, Haug C, Freckmann G, Rendschmidt T, Künsting T. Entwicklung einer neuen Patch-Pumpe für die Insulintherapie. Diab Stoffw Herz. 2020;29(3):159-163



10. Pleus S, Jendrike N, Kamecke U, Baumstark A, Liebing C, Freckmann G. Messgenauigkeit zweier in der diabetologischen Praxis verwendeten POCT-Glukose-Messsysteme. *Diab Stoffw Herz*. 2020;29(2):85-95
11. Galindo RJ, Umpierrez GE, Rushakoff RJ, Basu A, Lohnes S, Nichols JH, Spanakis EK, Espinoza J, Palermo NE, Awadji DG, Bak L, Buckingham B, Cook CB, Freckmann G, Heinemann L, Hovorka R, Mathioudakis N, Newman T, O'Neal DN, Rickert M, Sacks DB, Seley JJ, W Continuous Glucose Monitors and Automated Insulin Dosing Systems in the Hospital Consensus Guideline. *J Diabetes Sci Technol*. 2020 Nov;14(6):1035-1064.
12. Han J, Heinemann L, Ginsberg BH, Alva S, Appel M, Bess S, Chen KY, Freckmann G, Harris DR, Hartwig M, Hinzmann R, Kerr D, Krouwer J, Morrow L, Nichols J, Pfützner A, Pleus S, Rice M, Sacks DB, Schlueter K, Vesper HW, Klonoff DC. The YSI 2300 Analyzer Replacement Meeting Report. *J Diabetes Sci Technol*. 2020 May;14(3):679-686.
13. Waldenmaier D, Zschornack E, Buhr A, Pleus S, Haug C, Freckmann G. A Prospective Study of Insulin Infusion Set Use for up to 7 Days: Early Replacement Reasons and Impact on Glycemic Control. *Diabetes Technol Ther*. 2020 Oct;22(10):734-741.
14. Ziegler R, Waldenmaier D, Kamecke U, Mende J, Haug C, Freckmann G. Accuracy assessment of bolus and basal rate delivery of different insulin pump systems used in insulin pump therapy of children and adolescents. *Pediatr Diabetes*. 2020 Jun;21(4):649-656.
15. Pleus S, Baumstark A, Jendrike N, Mende J, Link M, Zschornack E, Haug C, Freckmann G. System accuracy evaluation of 18 CE-marked current-generation blood glucose monitoring systems based on EN ISO 15197:2015. *BMJ Open Diabetes Res Care*. 2020 Jan;8(1):e001067.
16. Baumstark A, Jendrike N, Kamecke U, Liebing C, Pleus S, Freckmann G. Measurement accuracy of two professional-use systems for point-of-care testing of blood glucose. *Clin Chem Lab Med*. 2020 Feb 25;58(3):445-455.
17. Heinemann L, Freckmann G, Müller-Wieland D, Kellerer M. Critical Reappraisal of the Time-in-Range: Alternative or Useful Addition to Glycated Hemoglobin? *J Diabetes Sci Technol*. 2020 Sep;14(5):922-927.

18. Oliver N, Gimenez M, Calhoun P, Cohen N, Moscardo V, Hermanns N, Freckmann G, Reddy M, Heinemann L. Continuous Glucose Monitoring in People With Type 1 Diabetes on Multiple-Dose Injection Therapy: The Relationship Between Glycemic Control and Hypoglycemia. *Diabetes Care*. 2020 Jan;43(1):53-58.
19. Ulbrich S, Waldenmaier D, Haug C, Freckmann G, Rendschmidt T, Künsting T. Concept and Implementation of a Novel Patch Pump for Insulin Delivery. *J Diabetes Sci Technol*. 2020 Mar;14(2):324-327.
20. Heinemann L, Schoemaker M, Schmelzeisen-Redecker G, Hinzmann R, Kassab A, Freckmann G, Reiterer F, Del Re L. Benefits and Limitations of MARD as a Performance Parameter for Continuous Glucose Monitoring in the Interstitial Space. *J Diabetes Sci Technol*. 2020 Jan;14(1):135-150.

### 2019

1. Heinemann L, Deiss D, Siegmund T, Schlüter S, Naudorf M, Sengbusch SV, Lange K, Freckmann G. Glucose Measurement and Control in Patients with Type 1 or Type 2 Diabetes. *Exp Clin Endocrinol Diabetes*. 2019 Dec;127(S 01):S8-S26.
2. Petersmann A, Müller-Wieland D, Müller UA, Landgraf R, Nauck M, Freckmann G, Heinemann L, Schleicher E. Definition, Classification and Diagnosis of Diabetes Mellitus. *Exp Clin Endocrinol Diabetes*. 2019 Dec;127(S 01):S1-S7.
3. Freckmann G, Pleus S, Baumstark A. Comment on "accuracy and precision of four main glucometers used in a sub-Saharan African country: a cross-sectional study" by Choukem et al. *Pan Afr Med J*. 2019 Jul 30;33:271.
4. Pleus S, Ulbrich S, Zschornack E, Kamann S, Haug C, Freckmann G. Documentation of Skin-Related Issues Associated with Continuous Glucose Monitoring Use in the Scientific Literature. *Diabetes Technol Ther*. 2019 Oct;21(10):538-545.
5. Freckmann G, Kamecke U, Waldenmaier D, Haug C, Ziegler R. Accuracy of Bolus and Basal Rate Delivery of Different Insulin Pump Systems. *Diabetes Technol Ther*. 2019 Apr;21(4):201-208.
6. Hermanns N, Heinemann L, Freckmann G, Waldenmaier D, Ehrmann D. Impact of CGM on the Management of Hypoglycemia Problems: Overview and Secondary Analysis of the HypoDE Study. *J Diabetes Sci Technol*. 2019 Jul;13(4):636-644.
7. Baumstark A, Pleus S, Jendrike N, Liebing C, Hinzmann R, Haug C, Freckmann G. Proof of Concept Study to Assess the Influence of Oxygen Partial Pressure in Capillary Blood on SMBG Measurements. *J Diabetes Sci Technol*. 2019 Nov;13(6):1105-1111.
8. Freckmann G, Link M, Kamecke U, Haug C, Baumgartner B, Weitgasser R. Performance and Usability of Three Systems for Continuous Glucose Monitoring in Direct Comparison. *J Diabetes Sci Technol*. 2019 Sep;13(5):890-898.
9. Ehrmann D, Heinemann L, Freckmann G, Waldenmaier D, Faber-Heinemann G, Hermanns N. The Effects and Effect Sizes of Real-Time Continuous Glucose Monitoring on Patient-Reported Outcomes: A Secondary Analysis of the HypoDE Study. *Diabetes Technol Ther*. 2019 Feb;21(2):86-93.

10. Jendrike N, Baumstark A, Pleus S, Mende J, Haug C, Freckmann G. Assessment of System Accuracy, Intermediate Measurement Precision, and Measurement Repeatability of a Blood Glucose Monitoring System Based on ISO 15197. *J Diabetes Sci Technol.* 2019 Mar;13(2):235-241.
11. Freckmann G, Pleus S, Grady M, Setford S, Levy B. Measures of Accuracy for Continuous Glucose Monitoring and Blood Glucose Monitoring Devices. *J Diabetes Sci Technol.* 2019 May;13(3):575-583.
12. Pleus S, Kamecke U, Waldenmaier D, Freckmann G. Reporting Insulin Pump Accuracy: Trumpet Curves According to IEC 60601-2-24 and Beyond. *J Diabetes Sci Technol.* 2019 May;13(3):592-596.
13. Pleus S, Jendrike N, Baumstark A, Mende J, Haug C, Freckmann G. Evaluation of Analytical Performance of Three Blood Glucose Monitoring Systems: System Accuracy, Measurement Repeatability, and Intermediate Measurement Precision. *J Diabetes Sci Technol.* 2019 Jan;13(1):111-117.
14. Heinemann L, Waldenmaier D, Kulzer B, Ziegler R, Ginsberg B, Freckmann G. Patch Pumps: Are They All the Same? *J Diabetes Sci Technol.* 2019 Jan;13(1):34-40.
15. Kamecke U, Waldenmaier D, Haug C, Ziegler R, Freckmann G. Establishing Methods to Determine Clinically Relevant Bolus and Basal Rate Delivery Accuracy of Insulin Pumps. *J Diabetes Sci Technol.* 2019 Jan;13(1):60-67.
16. Waldenmaier D, Zschornack E, Kalt L, Buhr A, Pleus S, Haug C, Freckmann G. First User Experiences With a Novel Touchscreen-Based Insulin Pump System in Daily Life of Patients With Type 1 Diabetes Experienced in Insulin Pump Therapy. *J Diabetes Sci Technol.* 2019 Jan;13(1):96-102.
17. Jendrike N, Baumstark A, Pleus S, Liebing C, Kamecke U, Haug C, Freckmann G. Accuracy of five systems for self-monitoring of blood glucose in the hands of adult lay-users and professionals applying ISO 15197:2013 accuracy criteria and potential insulin dosing errors. *Curr Med Res Opin.* 2019 Feb;35(2):301-311.

### 2018

1. Heinemann L, Stuhr A, Brown A, Freckmann G, Breton MD, Russell S, Heinemann L. Self-measurement of Blood Glucose and Continuous Glucose Monitoring - Is There Only One Future? *Eur Endocrinol.* 2018 Sep;14(2):24-29.
2. Heinemann L, Kaiser P, Freckmann G, Grote-Koska D, Kerner W, Landgraf R, Merker L, Müller UA, Müller-Wieland D, Roth J, Spannagl M, Wallaschofski H, Nauck M. Correction: Higher HbA1c Measurement Quality Standards are Needed for Follow-Up and Diagnosis: Experience and Analyses from Germany. *Horm Metab Res.* 2018 Oct;50(10):e5.
3. Landgraf R, Nauck M, Freckmann G, Müller UA, Heinemann L, Kellerer M, Müller-Wieland D. Fallstricke bei der Diabetesdiagnostik: Wird zu lax mit Laborwerten umgegangen? *Dtsch Med Wochenschr.* 2018 Oct;143(21):1549-1555.
4. Heinemann L, Kaiser P, Freckmann G, Grote-Koska D, Kerner W, Landgraf R, Merker L, Müller UA, Müller-Wieland D, Roth J, Spannagl M, Wallaschofski H, Nauck M. Higher HbA1c Measurement Quality Standards are Needed for Follow-Up and Diagnosis: Experience and Analyses from Germany. *Horm Metab Res.* 2018 Oct;50(10):728-734.
5. Freckmann G, Link M, Pleus S, Westhoff A, Kamecke U, Haug C. Measurement Performance of Two Continuous Tissue Glucose Monitoring Systems Intended for Replacement of Blood Glucose Monitoring. *Diabetes Technol Ther.* 2018 Aug;20(8):541-549.
6. Freckmann G, Link M, Westhoff A, Kamecke U, Pleus S, Haug C. Prediction Quality of Glucose Trend Indicators in Two Continuous Tissue Glucose Monitoring Systems. *Diabetes Technol Ther.* 2018 Aug;20(8):550-556.
7. Heinemann L, Deiss D, Siegmund T, Schlüter S, Naudorf M, von Sengbusch S, Lange K, Freckmann G. Practical Recommendations for Glucose Measurement, Glucose Monitoring and Glucose Control in Patients with Type 1 or Type 2 Diabetes in Germany. *Exp Clin Endocrinol Diabetes.* 2018 Jul;126(7):411-428.
8. Petersmann A, Nauck M, Müller-Wieland D, Kerner W, Müller UA, Landgraf R, Freckmann G, Heinemann L. Definition, Classification and Diagnosis of Diabetes Mellitus. *Exp Clin Endocrinol Diabetes.* 2018 Jul;126(7):406-410.

9. Schrangl P, Reiterer F, Heinemann L, Freckmann G, Del Re L. Limits to the Evaluation of the Accuracy of Continuous Glucose Monitoring Systems by Clinical Trials. *Biosensors (Basel)*. 2018 May 18;8(2):50.
10. Baumstark A, Liebing C, Jendrike N, Pleus S, Haug C, Freckmann G. Evaluation of Hematocrit Influence on Measurements With a Novel Self-Monitoring of Blood Glucose System Based on ISO 15197:2013. *J Diabetes Sci Technol*. 2018 Sep;12(5):1078-1079.
11. Jendrike N, Baumstark A, Pleus S, Liebing C, Beer A, Flacke F, Haug C, Freckmann G. Evaluation of Four Blood Glucose Monitoring Systems for Self-Testing with Built-in Insulin Dose Advisor Based on ISO 15197:2013: System Accuracy and Hematocrit Influence. *Diabetes Technol Ther*. 2018 Apr;20(4):303-313.
12. Freckmann G, Jendrike N, Baumstark A, Pleus S, Liebing C, Haug C. User Performance Evaluation of Four Blood Glucose Monitoring Systems Applying ISO 15197:2013 Accuracy Criteria and Calculation of Insulin Dosing Errors. *Diabetes Ther*. 2018 Apr;9(2):683-697.
13. Heinemann L, Freckmann G, Ehrmann D, Faber-Heinemann G, Guerra S, Waldenmaier D, Hermanns N. Real-time continuous glucose monitoring in adults with type 1 diabetes and impaired hypoglycaemia awareness or severe hypoglycaemia treated with multiple daily insulin injections (HypoDE): a multicentre, randomised controlled trial. *Lancet*. 2018 Apr 7;391(10128):1367-1377.
14. Pleus S, Heinemann L, Freckmann G. Blood Glucose Monitoring Data Should Be Reported in Detail When Studies About Efficacy of Continuous Glucose Monitoring Systems Are Published. *J Diabetes Sci Technol*. 2018 Sep;12(5):1061-1063.
15. Baumstark A, Jendrike N, Liebing C, Haug C, Freckmann G. System Accuracy and User Performance Evaluation of an Improved System for Self-Monitoring of Blood Glucose. *J Diabetes Sci Technol*. 2018 Mar;12(2):407-411.
16. Freckmann G, Kamecke U, Waldenmaier D, Haug C, Ziegler R. Occlusion Detection Time in Insulin Pumps at Two Different Basal Rates. *J Diabetes Sci Technol*. 2018 May;12(3):608-613.
17. Pleus S, Kamecke U, Link M, Haug C, Freckmann G. Flash Glucose Monitoring: Differences Between Intermittently Scanned and Continuously Stored Data. *J Diabetes Sci Technol*. 2018 Mar;12(2):397-400.

18. Baumstark A, Jendrike N, Pleus S, Liebing C, Haug C, Freckmann G. Accuracy Evaluation of a New System for Self-Monitoring of Blood Glucose With Three Test Strip Lots Based on ISO 15197:2013. *J Diabetes Sci Technol*. 2018 Mar;12(2):539-540.

19. Waldenmaier D, Schöllkopf K, Westhoff A, Heinemann L, Freckmann G. Comparative Handling Analysis of Different Insulin Pump Systems. *J Diabetes Sci Technol*. 2018 Mar;12(2):401-406.

### 2017

1. Sieber J, Flacke F, Link M, Haug C, Freckmann G. Improved Glycemic Control in a Patient Group Performing 7-Point Profile Self-Monitoring of Blood Glucose and Intensive Data Documentation: An Open-Label, Multicenter, Observational Study. *Diabetes Ther.* 2017 Oct;8(5):1079-1085.
2. Jendrike N, Baumstark A, Kamecke U, Haug C, Freckmann G. ISO 15197: 2013 Evaluation of a Blood Glucose Monitoring System's Measurement Accuracy. *J Diabetes Sci Technol.* 2017 Nov;11(6):1275-1276.
3. Freckmann G, Schlüter S, Heinemann L; Diabetes Technology Working Group of the German Diabetes Society. Replacement of Blood Glucose Measurements by Measurements With Systems for Real-Time Continuous Glucose Monitoring (rtCGM) or CGM With Intermittent Scanning (iscCGM): A German View. *J Diabetes Sci Technol.* 2017 Jul;11(4):653-656.
4. Baumstark A, Jendrike N, Pleus S, Haug C, Freckmann G. Evaluation of Accuracy of Six Blood Glucose Monitoring Systems and Modeling of Possibly Related Insulin Dosing Errors *Diabetes. Technol Ther.* 2017 Oct;19(10):580-588.
5. Kamecke U, Baumstark A, Jendrike N, Haug C, Freckmann G. Accuracy Assessment of an Improved Version of an Established Blood Glucose Monitoring System for Self-Testing Following ISO 15197:2013. *J Diabetes Sci Technol.* 2017 Jul;11(4):851-853.
6. Freckmann G, Baumstark A, Pleus S. Do the New FDA Guidance Documents Help Improving Performance of Blood Glucose Monitoring Systems Compared With ISO 15197? *J Diabetes Sci Technol.* 2017 Nov;11(6):1240-1246.
7. Jendrike N, Baumstark A, Chen CH, Rittmeyer D, Haug C, Freckmann G. Introduction of a Novel Smartphone-Coupled Blood Glucose Monitoring System. *J Diabetes Sci Technol.* 2017 Nov;11(6):1231-1233.
8. Pleus S, Flacke F, Sieber J, Haug C, Freckmann G. Strengths and Limitations of New Approaches for Graphical Presentation of Blood Glucose Monitoring System Accuracy Data. *J Diabetes Sci Technol.* 2017 Nov;11(6):1226-1230.
9. Klonoff DC, Freckmann G, Heinemann L. Insulin Pump Occlusions: For Patients Who Have Been Around the (Infusion) Block. *J Diabetes Sci Technol.* 2017 May;11(3):451-454.



10. Walsh J, Freckmann G, Roberts R, Heinemann L. Bolus Calculator Safety Mandates a Need for Standards. *J Diabetes Sci Technol*. 2017 Jan;11(1):3-6.
11. Freckmann G, Baumstark A, Jendrike N, Rittmeyer D, Pleus S, Haug C. Accuracy Evaluation of Four Blood Glucose Monitoring Systems in the Hands of Intended Users and Trained Personnel Based on ISO 15197 Requirements. *Diabetes Technol Ther*. 2017 Apr;19(4):246-254.
12. Freckmann G, Arndt S, Fießelmann A, Klausmann G, Pralle K, Künsting T, Petersen B. Randomized Cross-Over Study Comparing Two Infusion Sets for CSII in Daily Life. *J Diabetes Sci Technol*. 2017 Mar;11(2):253-259.
13. Reiterer F, Polterauer P, Schoemaker M, Schmelzeisen-Redecker G, Freckmann G, Heinemann L, Del Re L. Significance and Reliability of MARD for the Accuracy of CGM Systems. *J Diabetes Sci Technol*. 2017 Jan;11(1):59-67.
14. Gehr B, Holder M, Kulzer B, Lange K, Liebl A, Sahm C, von Sengbusch S, Schlüter S, Siegmund T, Thurm U, Ziegler R, Freckmann G, Heinemann L; SPECTRUM Group. SPECTRUM. *J Diabetes Sci Technol*. 2017 Mar;11(2):284-289.
15. Ziegler R, Freckmann G, Heinemann L. Boluses in Insulin Therapy. *J Diabetes Sci Technol*. 2017 Jan;11(1):165-171.

### 2016

1. Heinemann L, Drossel D, Freckmann G, Kulzer B. Usability of Medical Devices for Patients With Diabetes Who Are Visually Impaired or Blind. *J Diabetes Sci Technol*. 2016 Nov 1;10(6):1382-1387.
2. Erbach M, Freckmann G, Hinzmann R, Kulzer B, Ziegler R, Heinemann L, Schnell O. Interferences and Limitations in Blood Glucose Self-Testing: An Overview of the Current Knowledge. *J Diabetes Sci Technol*. 2016 Aug 22;10(5):1161-1168.
3. Freckmann G, Pleus S, Schlüter S, Heinemann L. Comment on "The Performance and Usability of a Factory-Calibrated Flash Glucose Monitoring System" by Bailey et al. *Diabetes Technol Ther*. 2016 May;18(5):334-335.
4. Pleus S, Baumstark A, Rittmeyer D, Jendrike N, Haug C, Freckmann G. Performance of two updated blood glucose monitoring systems: an evaluation following ISO 15197:2013. *Curr Med Res Opin*. 2016 May;32(5):847-855.

### 2015

1. Stephan P, Schmid C, Freckmann G, Pleus S, Haug C, Müller P. The Rectangle Target Plot: A New Approach to the Graphical Presentation of Accuracy of Systems for Self-Monitoring of Blood Glucose. *J Diabetes Sci Technol*. 2015 Oct 9;10(2):343-349.
2. Baumstark A, Kraft M, Hattemer A, Haug C, Freckmann G. Accuracy Evaluation of an Integrated Blood Glucose Monitoring System With Improved Test Cassettes Following ISO 15197:2013. *J Diabetes Sci Technol*. 2015 Oct 1;10(1):242-244.
3. Kirchsteiger H, Heinemann L, Freckmann G, Lodwig V, Schmelzeisen-Redeker G, Schoemaker M, Del Re L. Performance Comparison of CGM Systems: MARD Values Are Not Always a Reliable Indicator of CGM System Accuracy. *J Diabetes Sci Technol*. 2015 Sep 1;9(5):1030-1040.
4. Heinemann L, Freckmann G. CGM Versus FGM; or, Continuous Glucose Monitoring Is Not Flash Glucose Monitoring. *J Diabetes Sci Technol*. 2015 Sep 1;9(5):947-950.
5. Schmelzeisen-Redeker G, Schoemaker M, Kirchsteiger H, Freckmann G, Heinemann L, Del Re L. Time Delay of CGM Sensors: Relevance, Causes, and Countermeasures. *J Diabetes Sci Technol*. 2015 Aug 4;9(5):1006-1015.
6. Heinemann L, Zijlstra E, Pleus S, Freckmann G. Performance of Blood Glucose Meters in the Low-Glucose Range: Current Evaluations Indicate That it is not Sufficient From a Clinical Point of View. *Diabetes Care*. 2015 Sep;38(9):e139-e140.
7. Freckmann G, Link M, Schmid C, Pleus S, Baumstark A, Haug C. System Accuracy Evaluation of Different Blood Glucose Monitoring Systems Following ISO 15197:2013 by Using Two Different Comparison Methods. *Diabetes Technol Ther*. 2015 Sep;17(9):635-648.
8. Freckmann G, Pleus S, Link M, Baumstark A, Schmid C, Högel J, Haug C. Accuracy Evaluation of Four Blood Glucose Monitoring Systems in Unaltered Blood Samples in the Low Glycemic Range and Blood Samples in the Concentration Range Defined by ISO 15197. *Diabetes Technol Ther*. 2015 Sep;17(9):625-634.
9. Jendrike N, Rittmeyer D, Pleus S, Baumstark A, Haug C, Freckmann G. ISO 15197:2013 Accuracy Evaluation of Two CE-Marked Systems for Self-Monitoring of Blood Glucose. *J Diabetes Sci Technol*. 2015 Jul;9(4):934-935.

10. Link M, Schmid C, Pleus S, Baumstark A, Rittmeyer D, Haug C, Freckmann G. System Accuracy Evaluation of Four Systems for Self-Monitoring of Blood Glucose Following ISO 15197 Using a Glucose Oxidase and a Hexokinase-Based Comparison Method. *J Diabetes Sci Technol*. 2015 Apr 14;9(5):1041-1050.
11. Freckmann G, Schmid C, Baumstark A, Rutschmann M, Haug C, Heinemann L. Analytical Performance Requirements for Systems for Self-Monitoring of Blood Glucose With Focus on System Accuracy: Relevant Differences Among ISO 15197:2003, ISO 15197:2013, and Current FDA Recommendations. *J Diabetes Sci Technol*. 2015 Jul;9(4):885-894.
12. Freckmann G. Neue Technologien in der Diabetologie. Wie weit ist es noch bis zum Closed-loop-System? *Internist (Berl)*. 2015 May;56(5):484-492.
13. Pleus S, Schoemaker M, Morgenstern K, Schmelzeisen-Redeker G, Haug C, Link M, Zschornack E, Freckmann G. Rate-of-Change Dependence of the Performance of Two CGM Systems During Induced Glucose Swings. *J Diabetes Sci Technol*. 2015 Jul;9(4):801-807.
14. Heinemann L, Freckmann G. Quality of HbA1c Measurement in the Practice: The German Perspective. *J Diabetes Sci Technol*. 2015 May;9(3):687-695.
15. New JP, Ajjan R, Pfeiffer AF, Freckmann G. Continuous glucose monitoring in people with diabetes: the randomized controlled Glucose Level Awareness in Diabetes Study (GLADIS). *Diabet Med*. 2015 May;32(5):609-617.

### 2014

1. Freckmann G, Jendrike N, Pleus S, Buck H, Bousamra S, Galley P, Thukral A, Wagner R, Weinert S, Haug C. Use of microdialysis-based continuous glucose monitoring to drive real-time semi-closed-loop insulin infusion. *J Diabetes Sci Technol.* 2014 Nov;8(6):1074-1080.
2. Freckmann G, Pleus S, Baumstark A, Schmid C, Link M, Haug C. Self-monitoring of blood glucose: impact of a time delay between capillary blood sampling and glucose measurement. *J Diabetes Sci Technol.* 2014 Nov;8(6):1239-1240.
3. Link M, Pleus S, Schmid C, Freckmann G, Baumstark A, Stolberg E, Haug C. Accuracy Evaluation of Three Systems for Self-monitoring of Blood Glucose With Three Different Test Strip Lots Following ISO 15197. *J Diabetes Sci Technol.* 2014 Mar;8(2):422-424.
4. Pleus S, Schmid C, Link M, Baumstark A, Haug C, Stolberg E, Freckmann G. Accuracy assessment of two novel systems for self-monitoring of blood glucose following ISO 15197:2013. *J Diabetes Sci Technol.* 2014 Jul;8(4):906-908.
5. Freckmann G, Baumstark A, Schmid C, Pleus S, Link M, Haug C. Evaluation of 12 blood glucose monitoring systems for self-testing: system accuracy and measurement reproducibility. *Diabetes Technol Ther.* 2014 Feb;16(2):113-122.
6. Schmid C, Baumstark A, Pleus S, Haug C, Tesar M, Freckmann G. Impact of partial pressure of oxygen in blood samples on the performance of systems for self-monitoring of blood glucose. *Diabetes Technol Ther.* 2014 Mar;16(3):156-165.

### 2013

1. Freckmann G, Schmid C, Baumstark A, Pleus S, Link M, Haug C. In response to Teodorczyk and coauthors: System accuracy of blood glucose monitoring devices according to the current and proposed ISO 15197 standards. *J Diabetes Sci Technol*. 2013 Nov 1;7(6):1659-1660.
2. Freckmann G, Schmid C, Baumstark A, Pleus S, Link M, Haug C. Partial pressure of oxygen in capillary blood samples from the fingertip. *J Diabetes Sci Technol*. 2013 Nov 1;7(6):1648-1649.
3. Schnell O, Hinzmann R, Kulzer B, Freckmann G, Erbach M, Lodwig V, Heinemann L. Assessing the analytical performance of systems for self-monitoring of blood glucose: concepts of performance evaluation and definition of metrological key terms. *J Diabetes Sci Technol*. 2013 Nov 1;7(6):1585-1594.
4. Baumstark A, Schmid C, Pleus S, Haug C, Freckmann G. Influence of partial pressure of oxygen in blood samples on measurement performance in glucose-oxidase-based systems for self-monitoring of blood glucose. *J Diabetes Sci Technol*. 2013 Nov 1;7(6):1513-1521.
5. Freckmann G, Pleus S, Link M, Zschornack E, Klötzer HM, Haug C. Performance evaluation of three continuous glucose monitoring systems: comparison of six sensors per subject in parallel. *J Diabetes Sci Technol*. 2013 Jul 1;7(4):842-853.
6. Pleus S, Schmid C, Link M, Zschornack E, Klötzer HM, Haug C, Freckmann G. Performance evaluation of a continuous glucose monitoring system under conditions similar to daily life. *J Diabetes Sci Technol*. 2013 Jul 1;7(4):833-841.
7. Zschornack E, Schmid C, Pleus S, Link M, Klötzer HM, Obermaier K, Schoemaker M, Strasser M, Frisch G, Schmelzeisen-Redeker G, Haug C, Freckmann G. Evaluation of the performance of a novel system for continuous glucose monitoring. *J Diabetes Sci Technol*. 2013 Jul 1;7(4):815-823.
8. Schmid C, Haug C, Heinemann L, Freckmann G. System accuracy of blood glucose monitoring systems: impact of use by patients and ambient conditions. *Diabetes Technol Ther*. 2013 Oct;15(10):889-896.

9. Heinemann L, Freckmann G, Koschinsky T. Considerations for an institution for evaluation of diabetes technology devices to improve their quality in the European Union J Diabetes Sci Technol. 2013 Mar 1;7(2):542-547.
10. Liebl A, Henrichs HR, Heinemann L, Freckmann G, Biermann E, Thomas A; Continuous Glucose Monitoring Working Group of the Working Group Diabetes Technology of the German Diabetes Association. Continuous glucose monitoring: evidence and consensus statement for clinical use. J Diabetes Sci Technol. 2013 Mar 1;7(2):500-519.
11. Patte C, Pleus S, Wiegel C, Schiltges G, Jendrike N, Haug C, Freckmann G. Effect of infusion rate and indwelling time on tissue resistance pressure in small-volume subcutaneous infusion like in continuous subcutaneous insulin infusion. Diabetes Technol Ther. 2013 Apr;15(4):289-294.

### 2012

1. Baumstark A, Pleus S, Schmid C, Link M, Haug C, Freckmann G. Lot-to-lot variability of test strips and accuracy assessment of systems for self-monitoring of blood glucose according to ISO 15197. *J Diabetes Sci Technol.* 2012 Sep 1;6(5):1076-1086.
2. Freckmann G, Schmid C, Baumstark A, Pleus S, Link M, Haug C. System accuracy evaluation of 43 blood glucose monitoring systems for self-monitoring of blood glucose according to DIN EN ISO 15197. *J Diabetes Sci Technol.* 2012 Sep 1;6(5):1060-1075.
3. Freckmann G, Schmid C, Ruhland K, Baumstark A, Haug C. Integrated self-monitoring of blood glucose system: handling step analysis. *J Diabetes Sci Technol.* 2012 Jul 1;6(4):938-946.
4. Patte C, Pleus S, Galley P, Weinert S, Haug C, Freckmann G. Feasibility of overnight closed-loop control based on hourly blood glucose measurements. *J Diabetes Sci Technol.* 2012 Jul 1;6(4):902-909.
5. Freckmann G, Pleus S, Haug C, Bitton G, Nagar R. Increasing local blood flow by warming the application site: beneficial effects on postprandial glycemic excursions. *J Diabetes Sci Technol.* 2012 Jul 1;6(4):780-785.
6. Heinemann L, Lodwig V, Freckmann G. Accuracy in blood glucose measurement: what will a tightening of requirements yield? *J Diabetes Sci Technol.* 2012 Mar 1;6(2):435-443.
7. Freckmann G, Pleus S, Westhoff A, Krinelke LG, Buhr A, Jendrike N, Haug C. Clinical performance of a device that applies local heat to the insulin infusion site: a crossover study. *J Diabetes Sci Technol.* 2012 Mar 1;6(2):320-327.



## 2011

1. Heinemann L, Freckmann G Genauigkeit der Blutzuckermessung: Was bringt eine Verschärfung der Anforderungen? Kompendium Diabetes; 6. Jahrg. 2011;22-28.
2. Freckmann G, Haug C, Heinemann L Bluzuckerstelmessung heute: Sind alle Geräte gleich? Diabetes Stoffw und Herz. 2011;20:235-241.

### 2010

1. Zisser H, Wagner R, Pleus S, Haug C, Jendrike N, Parkin C, Schweitzer M, Freckmann G. Clinical performance of three bolus calculators in subjects with type 1 diabetes mellitus: a head-to-head-to-head comparison. *Diabetes Technol Ther.* 2010 Dec;12(12):955-61.
2. Freckmann G, Baumstark A, Jendrike N, Zschornack E, Kocher S, Tshiananga J, Heister F, Haug C. System accuracy evaluation of 27 blood glucose monitoring systems according to DIN EN ISO 15197. *Diabetes Technol Ther.* 2010 Mar;12(3):221-31.

### 2009

1. Ocvirk G, Hajsek M, Gillen R, Guenther A, Hochmuth G, Kamecke U, Koelker KH, Kraemer P, Obermaier K, Reinheimer C, Jendrike N, Freckmann G. TheClinical Research Tool: a high-performance microdialysis-based system for reliably measuring interstitial fluid glucose concentration. J Diabetes Sci Technol. 2009 May 1;3(3):468-77.
2. Nielsen JK, Freckmann G, Kapitza C, Ocvirk G, Koelker KH, Kamecke U, Gillen R, Amann-Zalan I, Jendrike N, Christiansen JS, Koschinsky T, Heinemann L. Glucose monitoring by microdialysis: performance in a multicentre study. Diabet Med. 2009 Jul;26(7):714-721.

### 2008

1. Freckmann G, Jovanovic L, Baumstark A, Haug C, van der Helm W. The circadian study: the get-up phenomenon in type 1 diabetes. *Diabetes Care*. 2008 Nov;31(11):e85.

## 2007

1. Freckmann G, Hagenlocher S, Baumstark A, Jendrike N, Gillen RC, Rössner K, Haug C. Continuous glucose profiles in healthy subjects under everyday life conditions and after different meals. *J Diabetes Sci Technol.* 2007 Sep;1(5):695-703.

## 2001

1. Freckmann G, Kalatz B, Pfeiffer B, Hoss U, Haug C. Recent advances in continuous glucose monitoring. *Exp Clin Endocrinol Diabetes*. 2001;109 Suppl 2:S347-357.