

Publikationsliste

(Stand Dezember 2024)

Originalbeiträge

Gesuita R, **Eckert AJ**, Besançon S, Crimmins NA, Cavallo F, Kim J, Jefferies C, Gevers EF, Vamvakis A, Shah S, Amed S, Cherubini V; SWEET study group. Frequency and clinical characteristics of children and young people with type 2 diabetes at diagnosis from five world regions between 2012 and 2021: data from the SWEET Registry. *Diabetologia*. 2024 Nov 6. doi: 10.1007/s00125-024-06283-5.

Otto S, Burow K, Eckert AJ, Heldt K, Henn M, Holder M, Schweizer R, Holl RW. Insulinresistenz bei Kindern und Jugendlichen mit Diabetes mellitus Typ 1 – Eine Auswertung des DPV-Registers. *Diabetologie und Stoffwechsel* 2024; 19(04): 273-280. doi: 10.1055/a-2270-4038.

Koutny F, Wiemann D, **Eckert A**, Meyhöfer S, Fritsch M, Pappa A, Wiegand S, Weyer M, Wurm M, Weghuber D, Holl RW. Poorly controlled pediatric type 1 diabetes mellitus is a risk factor for metabolic dysfunction associated steatotic liver disease (MASLD): An observational study. *J Pediatr Gastroenterol Nutr*. 2024 May;78(5):1027-1037. doi: 10.1002/jpn3.12194.

Bächle C, Kamrath C, **Eckert A**, Mönkemöller K, Menzel U, Näke A, Rosenbauer J, Holl RW. Diabetic Ketoacidosis at the Onset of Type I Diabetes Among Children in Germany. *Dtsch Arztebl Int*. 2024 Apr 19;121(8):272-273. doi: 10.3238/arztebl.m2024.0021.

Eckert AJ, Zimny S, Altmeier M, Dugic A, Gillessen A, Bozkurt L, Götz G, Karges W, Wosch FJ, Kress S, Holl RW; DPV-Wiss-Initiative. Factors associated with diabetic foot ulcers and lower limb amputations in type 1 and type 2 diabetes supported by real-world data from the German/Austrian DPV registry. *J Diabetes*. 2024 Feb;16(2):e13531. doi: 10.1111/1753-0407.13531.

Biester T, **Eckert A**, Becker M, Boettcher C, Golembowski S, Heidtmann B, Klinkert C, Müther S, Rami-Merhar B, Holl RW. Expected Basal Insulin Requirement During Continuous Subcutaneous Insulin Infusion Therapy by Age Group, Sex, and Body Mass Index, Based on 25,718 Young People with Type 1 Diabetes in the DPV Registry. *Diabetes Technol Ther*. 2023 Nov;25(11):774-781. doi: 10.1089/dia.2023.0283.

Hoyer-Kuhn H, **Eckert AJ**, Binder G, Bonfig W, Dübbers A, Riedl S, Woelfle J, Dörr HG, Holl RW. Impact of Newborn Screening on Adult Height in Patients With Congenital Adrenal

Hyperplasia (CAH). *J Clin Endocrinol Metab.* 2023 Oct 18;108(11):e1199-e1204. doi: 10.1210/clinem/dgad307.

Warncke K, **Eckert A**, Bonifacio E, Achenbach P, Kordonouri O, Meissner T, Ohlenschläger U, Bonfig W, Ziegler AG, Holl RW. Characterisation and clinical outcomes in children and adolescents with diabetes according to newly defined subgroups: a cohort study from the DPV registry. *EClinicalMedicine.* 2023 Sep 8;64:102208. doi: 10.1016/j.eclinm.2023.102208.

Auzanneau M, **Eckert AJ**, Meyhöfer SM, Heni M, Gillessen A, Schwettmann L, Jehle PM, Hummel M, Holl RW. Area deprivation and demographic factors associated with diabetes technology use in adults with type 1 diabetes in Germany. *Front Endocrinol (Lausanne).* 2023 Aug 1;14:1191138. doi: 10.3389/fendo.2023.1191138

Buchmann M, Tuncer O, Auzanneau M, **Eckert AJ**, Rosenbauer J, Reitzle L, Heidemann C, Holl RW, Thamm R. Incidence, prevalence and care of type 1 diabetes in children and adolescents in Germany: Time trends and regional socioeconomic situation. *J Health Monit.* 2023 Jun 14;8(2):57-78. doi: 10.25646/11439. Erratum in: *J Health Monit.* 2023 Aug 07;8(2):78. PMID: 37408713. PMCID: PMC10318564.

Hammel MC, Stein R, Kratzsch J, Vogel M, **Eckert AJ**, Triatin RD, Colombo M, Meigen C, Baber R, Stanik J, Spielau U, Stoltze A, Wirkner K, Tönjes A, Snieder H, Holl RW, Stumvoll M, Blüher M, Kiess W, Körner A. Fasting indices of glucose-insulin-metabolism across life span and prediction of glycemic deterioration in children with obesity from new diagnostic cut-offs. *Lancet Reg Health Eur.* 2023 May 23;30:100652. doi: 10.1016/j.lanepe.2023.100652.

Auzanneau M, **Eckert AJ**, Fritsche A, Heni M, Icks A, Mueller-Stierlin AS, Dugic A, Risse A, Lanzinger S, Holl RW. Diabetes in all hospitalized cases in Germany 2015-2019 and impact of the first COVID-19 year 2020. *Endocr Connect.* 2023 Mar 28;12(4):e220475. doi: 10.1530/EC-22-0475.

Kamrath C, **Eckert A**, Rami-Merhar B, Kummer S, Wabitsch M, Laubner K, Kopp F, Müther S, Mühldorfer S, Holl RW. Frequency and characteristics of diabetes in lipodystrophies and insulin receptoropathies compared with type 1 and type 2: results from the multicenter DPV registry. *Endocr Connect.* 2023 Feb 20;12(3):e220333. doi: 10.1530/EC-22-0333.

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Lunkenheimer F, **Eckert AJ**, Hilgard D, Köth D, Kulzer B, Lück U, Lüdecke B, Müller A, Baumeister H, Holl RW. Posttraumatic stress disorder and diabetes-related outcomes in patients with type 1 diabetes. *Sci Rep.* 2023 Jan 27;13(1):1556.

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Eckert AJ, Bramlage P, Danne T, Näke A, Hummel M, Schwab KO, Mühldorfer S, Buchal G, Müller A, Holl RW: The use of insulin preparations—an evaluation of the DPV registry. *Dtsch Arztebl Int* 2022; 119: 649–50. DOI: 10.3238/arztebl.m2022.0253.

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Meyhöfer S*, **Eckert AJ***, Hummel M, Laimer M, Roden M, Kress S, Seufert J, Meyhöfer SM*, Holl RW*. Elevated liver enzymes and comorbidities in type 2 diabetes: Multicenter analysis of 51,645 patients of the DPV database. *Diabetes Obes Metab.* 2022 Apr;24(4):727-732. doi: 10.1111/dom.14616. Epub 2022 Jan 2.

Kamrath C, Rosenbauer J, **Eckert AJ**, Siedler K, Bartelt H, Klose D, Sindichakis M, Herrlinger S, Lahn V, Holl RW. Incidence of Type 1 Diabetes in Children and Adolescents during the

Covid-19 Pandemic in Germany: Results from the DPV registry. *Diabetes Care*. 2022 Jan 17;dc210969. doi: 10.2337/dc21-0969.

Marino M, **Eckert AJ**, Martinez Mateu C, Tell S, Krnic N, Deja G, Rasmussen VF, Coelho R, Todorovic S, Jefferies CA, Sherif E, Lionetti E. The Association between Treatment Modality, Lipid Profile, Metabolic control in Children with Type 1 Diabetes and Celiac Disease – Data from the International Sweet Registry. *Nutrients*. 2021 Dec 15;13(12):4473. doi: 10.3390/nu13124473.

Marigliano M, **Eckert AJ**, Guness PK, Herbst A, Smart CE, Witsch M, Maffei C; SWEET Study Group. Association of the use of diabetes technology with HbA1c and BMI-SDS in an international cohort of children and adolescents with type 1 diabetes: The SWEET project experience. *Pediatr Diabetes*. 2021 Oct 30. doi: 10.1111/peidi.13274. Epub ahead of print. PMID: 34716736.

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Eckert AJ, Plaumann M, Pehlke S, Beck C, Mühldorfer S, Weickert U, Laimer M, Pfeifer M, Stechemesser L, Holl R. Idiopathic Frozen Shoulder in Individuals with Diabetes: Association with Metabolic Control, Obesity, Antidiabetic Treatment and Demographic Characteristics in Adults with Type 1 or 2 Diabetes from the DPV Registry. *Exp Clin Endocrinol Diabetes*. 2021 Aug 23. doi: 10.1055/a-1543-8559. Epub ahead of print. PMID: 34425597.

Kamrath C, Rosenbauer J, **Eckert AJ**, Pappa A, Reschke F, Rohrer TR, Mönkemöller K, Wurm M, Hake K, Raile K, Holl RW. Incidence of COVID-19 and Risk of Diabetic Ketoacidosis in New-Onset Type 1 Diabetes. *Pediatrics*. 2021 Sep;148(3):e2021050856. doi: 10.1542/peds.2021-050856. Epub 2021 May 19. PMID: 34011636.

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Eckert AJ, Zhou FL, Grismann JM, Pettus JH, Kerner W, Miller KM, Stechemesser L, Edelman SV, Spies C, Holl RW, Ibalid-Mulli AM. Demographic characteristics and acute complications among adults with type 1 diabetes: Comparison of two multicentre databases from Germany and the United States. *J Diabetes Complications*. 2021 Mar;35(3):107812. doi: 10.1016/j.jdiacomp.2020.107812. Epub 2020 Nov 26. PMID: 33280985.

Eckert AJ, Mader JK, Altmeier M, Mühldorfer S, Gillessen A, Dallmeier D, Shah VN, Heyer C, Hartmann B, Holl RW. Fracture risk in patients with type 2 diabetes aged ≥ 50 years related to HbA1c, acute complications, BMI and SGLT2i-use in the DPV registry. *J Diabetes Complications*. 2020 Oct;34(10):107664. doi: 10.1016/j.jdiacomp.2020.107664. Epub 2020 Jun 27. PMID: 32624333; PMCID: PMC7502496.

Poster und Kongressbeiträge (Abstracts)

Eckert AJ, Bettendorf M, Hammersen J, Hoyer-Kuhn H, Kiewert C, Busemann E-M, Giannopoulou E, Palm K, Binder G, Bonfig W, Holl RW, Dörr HG. Das AGS-Register der DGPAED: Update 2023 zum klassischen und nicht-klassischen AGS. JAPED Jahrestagung, November 2-4, 2023.

Rapini N, **Eckert AJ**, Bonnard AA, Warncke K, Galderisi A, Zanfardino A, Zucchini S, Cavé H, Karges B, Vial Y, Kummer S, Schiaffini R, Polak M, Seick Barbarini D, Iafusco D, Beltrand J, Barbetti F, Holl RW. Incidence of neonatal diabetes mellitus: a reappraisal from Austria/Germany, France and Italy covering 2010-2021. ISPAD's 49th Annual Conference, October 18-21, 2023.

Sandy JL, **Eckert AJ**, James S, Warncke K, Maguire AM, Bokelmann J, Stone M, Kummer S, Couper J, Boettcher C, Craig ME, Holl RW. Diabetes in children under 2 years of age in two large diabetes registries from two continents. ISPAD's 49th Annual Conference, October 18-21, 2023.

Eckert AJ, Kamrath C, Mönkemöller K, Schwab KO, Holder M, Schilling M, Paetow U, Holl RW, Rosenbauer J. Is there an accelerated increase of pediatric type 1 diabetes incidence since the beginning of the COVID-19 pandemic in Germany? A DPV study evaluating the period from 2011 to 2022. ISPAD's 49th Annual Conference, October 18-21, 2023.

Eckert AJ, Zimny S, Altmeier M, Dugic A, Gillessen A, Bozkurt L, Götz G, Karges W, Holl RW. Welche beeinflussbaren Risikofaktoren für das Diabetische Fußsyndrom bei Erwachsenen mit Typ 1 und Typ 2 Diabetes können anhand des DPV Registers identifiziert werden? DDG Diabetes-Kongress Berlin, Mai 17-20, 2023.

Eckert AJ, Fritsche A, Icks A, Siegel E, Müller-Stierlin AS, Karges W, Rosenbauer J, Auzanneau M, Holl RW. Stationäre Krankenhausaufenthalte aufgrund orthopädischer Eingriffe: Häufigkeit und Liegedauer bei Menschen mit und ohne Diabetes zwischen 2015 und 2019 in Deutschland. DDG Diabetes-Kongress Berlin, Mai 22-25, 2022.

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Eckert AJ, Linke S, Schwab KO, von dem Berge T, Schönau E, Duran I, Dost A, Joisten C, Bartelt H, Braune K, Holl RW. Organised sport and cardiovascular risk factors in children and young adults with type 1 diabetes during the COVID-19 pandemic in Germany. ISPAD's 47th Annual Conference, October 13-15, 2021.

Chobot A, **Eckert AJ**, Biester T, Corathers S, Covinhas A, de Beaufort C, Imane Z, Kim JH, Malatynska A, Moravej H, Pokhrel S, Skinner T. Psychological care for children and adolescents with diabetes - results from the international pediatric registry SWEET. ISPAD's 47th Annual Conference, October 13-15, 2021.

Marino M, **Eckert AJ**, Martinez Mateu C, Tell S, Krnic N, Deja G, Faber-Rasmussen V, Coelho R, Todorovic S, Jefferies C, Sherif E, Lionetti ME. The association between treatment modality, lipid profile, metabolic control in children with type 1 diabetes and celiac disease – data from the international sweet registry. ISPAD's 47th Annual Conference, October 13-15, 2021.

Eckert AJ, Rehberg M, Schnabel D, Köstner K, Wurm D, Bechtold-Dalla Pozza, S, Konrad K, Hörtenhuber T, Hammersen J, Holl RW. Frakturen bei Kindern und jungen Erwachsenen mit Typ 1 Diabetes: Altersverteilung, Frakturlokalisationen und Zusammenhang zur Stoffwechselkontrolle, basierend auf Daten des DPV-Registers. Poster, Gemeinsame Jahrestagung der Arbeitsgemeinschaft Pädiatrische Diabetologie (AGPD) e.V. und der Deutschen Gesellschaft für Kinderendokrinologie und -diabetologie (DGKED) e.V., 23.06.-26.06.2021.

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Chobot A, **Eckert AJ**, Biester T, Corathers S, Covinhas A, de Beaufort C, Imane Z, Kim JH, Malatynska A, Moravej H, Pokhrel S, Skinner T. Psychological care for children and

adolescents with diabetes-preliminary results from the international pediatric registry SWEET. The 14th International Conference on Advanced Technologies & Treatments for Diabetes (ATTD 2021), June 2-5, 2021.

Eckert AJ, Galler A, Papsch M, Hess M, Holder M, Döing C, Bierkamp-Christophersen D, Hammer E, Pappa A, Holl RW. Assoziation zwischen Autoimmunthyreoiditis und Depression bzw. Angst-/ Zwangsstörungen bei Typ 1 Diabetes Patienten im Alter von 11-25 Jahren. 55. Jahrestagung der deutschen Diabetesgesellschaft (DDG), 12.05.-15.05.2021.

Kamrath C, Rosenbauer J, **Eckert AJ**, Pappa A, Reschke F, Rohrer T, Mönkemöller K, Wurm M, Hake K, Raile K, Holl RW. Assoziation zwischen dem Risiko einer diabetischen Ketoazidose und der regionalen Inzidenz von COVID-19-Fällen und Todesfällen bei Kindern und Jugendlichen mit neu aufgetretenem Typ-1-Diabetes während der ersten Welle der Pandemie in Deutschland. 55. Jahrestagung der deutschen Diabetesgesellschaft (DDG), 12.05.-15.05.2021.

Eckert AJ, Mader J, Altmeier M, Gillessen A, Dallmeier D, Shah V, Heyer C, Hartmann B, Holl RW. Bone fractures in individuals with type 2 diabetes aged ≥ 50 years in the DPV registry: Effect of glycaemic control and treatment. Poster Presentation at the 56th EASD Annual Meeting, September 21-25, 2020.