

LITERATUR ZMK 5 2026

ZMK 2026; 42 (5) S. 210–223

Dr. Maxi Müller, DP Dr. Anne Kruse

Diagnostik und Therapie bei Endo-Paro-Läsionen

- [1] Cortellini P, Stalpers G, Mollo A, Tonetti MS. Periodontal regeneration versus extraction and dental implant or prosthetic replacement of teeth severely compromised by attachment loss to the apex: A randomized controlled clinical trial reporting 10-year outcomes, survival analysis and mean cumulative cost of recurrence. *Journal of Clinical Periodontology*. 2020;47(6):768–76. doi:10.1111/jcpe.13289
- [2] Hargreaves KM, Seltzer S, Bender IB, Herausgeber. *Seltzer and Bender's dental pulp*. Rev. ed. Chicago Berlin: Quintessence Publ. Co; 2002. 500 S. (Quintessence books).
- [3] Herrera D, Retamal-Valdes B, Alonso B, Feres M. Acute periodontal lesions (periodontal abscesses and necrotizing periodontal diseases) and endo-periodontal lesions. *Journal of Periodontology*. 2018;89(S1):S85–102. doi:10.1002/JPER.16-0642
- [4] Sabeti M, Tayeed H, Kurtzman G, Mashhadi Abbas F, Talebi Ardakani M. Histopathological Investigation of Dental Pulp Reactions Related to Periodontitis. *Eur Endod J*. August 2021;6(2):164–9. doi:10.14744/eej.2021.96268 PubMed PMID: 34650012; PubMed Central PMCID: PMC8461489.
- [5] Fatemi K, Disfani R, Zare R, Moeintaghavi A, Ali SA, Boostani HR. Influence of moderate to severe chronic periodontitis on dental pulp. *J Indian Soc Periodontol*. 2012;16(4):558–61. doi:10.4103/0972-124X.106911 PubMed PMID: 23493524; PubMed Central PMCID: PMC3590727.
- [6] Al-Sibassi A, Niazi SA, Clarke P, Adeyemi A. Management of the endodontic-periodontal lesion. *Br Dent J*. April 2025;238(7):536–44. doi:10.1038/s41415-025-8327-x
- [7] Apatzidou DA. The role of cigarette smoking in periodontal disease and treatment outcomes of dental implant therapy. *Periodontology 2000*. 2022;90(1):45–61. doi:10.1111/prd.12449
- [8] Shiggaon LB, Kingaonkar A, Kour T, Bhavsar S, Ayaz M, Chaudhary A, Gupta S, Shiggaon L, Kingaonkar A, Kour T, Bhavsar S, Ayaz M, Chaudhary A, Gupta S. Assessment of Risk Factors and Prognostic Predictors for Endo-Perio Lesions in Indian Cohorts: An Observational Study. *Cureus*. 17. September 2024;16(9). doi:10.7759/cureus.69598

- [9] Correlation between endo-perio lesions and systemic diseases: A cross-sectional study [Internet]. [zitiert 26. Januar 2026]. Verfügbar unter: <https://www.bioinformation.net/021/973206300211144.htm>
- [10] Sanz M, Ceriello A, Buysschaert M, Chapple I, Demmer RT, Graziani F, Herrera D, Jepsen S, Lione L, Madianos P, Mathur M, Montanya E, Shapira L, Tonetti M, Vegh D. Scientific evidence on the links between periodontal diseases and diabetes: Consensus report and guidelines of the joint workshop on periodontal diseases and diabetes by the International diabetes Federation and the European Federation of Periodontology. *Diabetes Res Clin Pract.* März 2018;137:231–41. doi:10.1016/j.diabres.2017.12.001 PubMed PMID: 29208508.
- [11] Ball J, Darby I. Mental health and periodontal and peri-implant diseases. *Periodontol* 2000. Oktober 2022;90(1):106–24. doi:10.1111/prd.12452 PubMed PMID: 35913583; PubMed Central PMCID: PMC9804456.
- [12] Kumari R, Suhagia B, Maheshwari R, Singh M. Microbiological Insights and Diagnostic Approaches in Endo-Perio Lesions. *Journal of Pharmacy and Bioallied Sciences.* Mai 2025;17(Suppl 1):S339. doi:10.4103/jpbs.jpbs_533_25
- [13] Simring M, Goldberg M. The Pulpal Pocket Approach: Retrograde Periodontitis. *The Journal of Periodontology.* 1964;35(1):22–48. doi:10.1902/jop.1964.35.1.22
- [14] Simon JHS, Glick DH, Frank AL. The Relationship of Endodontic-Periodontic Lesions. *Journal of Periodontology.* 1972;43(4):202–8. doi:10.1902/jop.1972.43.4.202
- [15] Papapanou PN, Sanz M, Buduneli N, Dietrich T, Feres M, Fine DH, Flemmig TF, Garcia R, Giannobile WV, Graziani F, Greenwell H, Herrera D, Kao RT, Kebschull M, Kinane DF, Kirkwood KL, Kocher T, Kornman KS, Kumar PS, Loos BG, Machtei E, Meng H, Mombelli A, Needleman I, Offenbacher S, Seymour GJ, Teles R, Tonetti MS. Periodontitis: Consensus report of workgroup 2 of the 2017 World Workshop on the Classification of Periodontal and Peri-Implant Diseases and Conditions. *J Clin Periodontol.* Juni 2018;45 Suppl 20:S162–70. doi:10.1111/jcpe.12946 PubMed PMID: 29926490.
- [16] Petersson K, Söderström C, Kiani-Anaraki M, Lévy G. Evaluation of the ability of thermal and electrical tests to register pulp vitality. *Endod Dent Traumatol.* Juni 1999;15(3):127–31. doi:10.1111/j.1600-9657.1999.tb00769.x PubMed PMID: 10530156.
- [17] Peters DD, Baumgartner JC, Lorton L. Adult pulpal diagnosis. I. Evaluation of the positive and negative responses to cold and electrical pulp tests. *J Endod.* Oktober 1994;20(10):506–11. doi:10.1016/S0099-2399(06)80048-8 PubMed PMID: 7714424.
- [18] Mainkar A, Kim SG. Diagnostic Accuracy of 5 Dental Pulp Tests: A Systematic Review and Meta-analysis. *J Endod.* Mai 2018;44(5):694–702. doi:10.1016/j.joen.2018.01.021 PubMed PMID: 29571914.
- [19] Adibi A, Sobhnamayan F, Ostovar Zijerdi N, Tajik M, Paknahad M. Comparison of the Accuracy of CBCT Images and Apex Locator in Detection of External Root Resorption

with Perforation. *J Dent (Shiraz)*. Dezember 2022;23(4):445–51.
doi:10.30476/DENTJODS.2021.91056.1548 PubMed PMID: 36718169; PubMed
Central PMCID: PMC9883623.

- [20] Guo J, Li Y, Lin X, Yang X, Shi W, Lu X. Prognostic Factors of Combined Periodontal and Endodontic Lesions: A Retrospective Study. *Contrast Media Mol Imaging*. 22. August 2022;2022:5042097. doi:10.1155/2022/5042097 PubMed PMID: 36051933; PubMed Central PMCID: PMC9424022.
- [21] Song M, Kang M, Kang DR, Jung HI, Kim E. Comparison of the effect of endodontic-periodontal combined lesion on the outcome of endodontic microsurgery with that of isolated endodontic lesion: survival analysis using propensity score analysis. *Clin Oral Investig*. Mai 2018;22(4):1717–24. doi:10.1007/s00784-017-2265-1 PubMed PMID: 29098442.
- [22] Song M, Kim SG, Lee SJ, Kim B, Kim E. Prognostic factors of clinical outcomes in endodontic microsurgery: a prospective study. *J Endod*. Dezember 2013;39(12):1491–7. doi:10.1016/j.joen.2013.08.026 PubMed PMID: 24238435.
- [23] Song M, Chung W, Lee SJ, Kim E. Long-term outcome of the cases classified as successes based on short-term follow-up in endodontic microsurgery. *J Endod*. September 2012;38(9):1192–6. doi:10.1016/j.joen.2012.06.014 PubMed PMID: 22892734.
- [24] Song M, Kim HC, Lee W, Kim E. Analysis of the cause of failure in nonsurgical endodontic treatment by microscopic inspection during endodontic microsurgery. *J Endod*. November 2011;37(11):1516–9. doi:10.1016/j.joen.2011.06.032 PubMed PMID: 22000454.
- [25] Kim E, Song JS, Jung IY, Lee SJ, Kim S. Prospective clinical study evaluating endodontic microsurgery outcomes for cases with lesions of endodontic origin compared with cases with lesions of combined periodontal-endodontic origin. *J Endod*. Mai 2008;34(5):546–51. doi:10.1016/j.joen.2008.01.023 PubMed PMID: 18436032.
- [26] Chen B, Zhu Y, Lin M, Zhang Y, Li Y, Ouyang X, Ge S, Lin J, Pan Y, Xu Y, Ding Y, Ge S, Chen F, Song Z, Jiang S, Sun J, Luo L, Ling J, Chen Z, Yue L, Zhou X, Yan F. Expert consensus on the diagnosis and therapy of endo-periodontal lesions. *Int J Oral Sci*. 1. September 2024;16(1):55. doi:10.1038/s41368-024-00320-0
- [27] European Society of Endodontology. Quality guidelines for endodontic treatment: consensus report of the European Society of Endodontology. *Int Endod J*. Dezember 2006;39(12):921–30. doi:10.1111/j.1365-2591.2006.01180.x PubMed PMID: 17180780.
- [28] Bansal S, Tewari S, Tewari S, Sangwan P. The effect of endodontic treatment using different intracanal medicaments on periodontal attachment level in concurrent endodontic-periodontal lesions: A randomized controlled trial. *J Conserv Dent*. 2018;21(4):413–8. doi:10.4103/JCD.JCD_337_17 PubMed PMID: 30122823; PubMed Central PMCID: PMC6080180.

- [29] Sanz M, Herrera D, Kebschull M, Chapple I, Jepsen S, Beglundh T, Sculean A, Tonetti MS, EFP Workshop Participants and Methodological Consultants. Treatment of stage I-III periodontitis-The EFP S3 level clinical practice guideline. *J Clin Periodontol*. Juli 2020;47 Suppl 22(Suppl 22):4–60. doi:10.1111/jcpe.13290 PubMed PMID: 32383274; PubMed Central PMCID: PMC7891343.
- [30] Jepsen K, Dommisch E, Jepsen S, Dommisch H. Vital root resection in severely furcation-involved maxillary molars: Outcomes after up to 7 years. *J Clin Periodontol*. August 2020;47(8):970–9. doi:10.1111/jcpe.13306 PubMed PMID: 32412133.
- [31] Schmidt JC, Walter C, Amato M, Weiger R. Treatment of periodontal-endodontic lesions--a systematic review. *J Clin Periodontol*. August 2014;41(8):779–90. doi:10.1111/jcpe.12265 PubMed PMID: 24766568.
-

ZMK 2026; 42 (5) S. 224–227

Dr. Dirk Leisenberg

Ethische Aspekte des Einsatzes von Künstlicher Intelligenz in der Zahnheilkunde

- [1] Bundeszahnärztekammer (2024). Ethikleitlinie zum Einsatz digitaler Systeme in der Zahnmedizin.
- [2] EU-Parlament (2024). Artificial Intelligence Act. The Act Texts | EU Artificial Intelligence Act.
- [3] Kim H, et al. Deep learning in periodontal bone loss detection. *J Clin Periodontol*. 2024;51 (3): 215–222.
- [4] Wang L, et al. AI-based caries detection on bite-wing radiographs. *Dentomaxillofac Radiol*. 2024; 53 (5): 20240412.
- [5] Singh R, et al. Algorithmic bias in dental AI models. *J Dent Res*. 2024; 103 (7): 811–823.
- [6] Lopez C, et al. Patient attitudes toward AI in dentistry. *Patient Exp J*. 2024; 11 (1): 45–58.
- [7] Heidbrink F, et al. Ethical data governance in medical AI. *J Med Ethics Tech*. 2025;14 (2): 98–109.
- [8] Patel J, et al. AI in endodontic canal detection. *Int J Endod AI*. 2025; 2 (1): 33–47.
- [9] Zhang et al. *Health Inf Manag J*. 2024.
-

Dr. Maike Jost-Mihrmeister, Dr. Christoph Zirkel

Hybridendodontische Therapie: ein explorativer Behandlungsansatz zwischen der klassischen Endodontie und vitalerhaltenden Verfahren

- [1] Aguilar P, Linsuwanont P: Vital pulp therapy in vital permanent teeth with cariously exposed pulp: a systematic review. *Journal of Endodontics* 2011;5: 581–587.
- [2] Al Omiri MK, Mahmoud AA, Rayyan MR, Abu-Hammad O: Fracture resistance of teeth restored with post-retained restorations: an overview. *Journal of Endodontics* 2010;9: 1439–1449.
- [3] Dammaschke T, Galler KM, Krastl G. Aktuelle Empfehlungen zur Vitalerhaltung der Pulpa. *Dtsch Zahnärztl Z* 2019;74:40-49.
- [4] Donnermeyer D, Damaschke T, Lipski M, Schäfer E; Effectiveness of diagnosing pulpitis: A systematic review. *Int Endod J* 2023;56:296-325.
- [5] European Society of Endodontology (ESE) developed by: Duncan HF, Galler KM; Tomson PL et al. European Society of Endodontology position statement: Management of deep caries and the exposed pulp. *Int Endod J* 2019;52:923-934.
- [6] Friedman S, Abitbol S, Lawrence HP: Treatment outcome in endodontics: The Toronto Study. Phase 1: initial treatment. *J Endod* 2003;29:787-793.
- [7] Fuss Z, Lustig J, Katz A, Tamse A. An evaluation of endodontically treated vertical root fractured teeth: impact of operative procederes. *J Endod* 2001;27:46-48.
- [8] Gunst V, Mavridou A, Huybrechts B, Van Gorp G, Bergmans L, Lambrechts P: External cervical resorption: an analysis using cone beam and microfocus computed tomography and scanning electron microscopy. *Int Endo J* 2013;46(9):877-87.
- [9] Heyeraas KJ, Berggreen E. Interstitial fluid pressure in normal and inflamed pulp. *Crit Rev Oral Biol Med* 1999;10:328-336 .
- [10] Koli B, Chawla A, Logani A, Kumar V, Sharma S: Combination of nonsurgical endodontic and vital pulp therapy for management of of mature permanent mandibular molar teeth with symptomatic irreversible pulpitis and apical periodontitis. *J Endod* 2021;47:374-381.
- [11] Lertchirakarn V, Palamara JE, Messer HH. Patterns of vertical root fracture: factores effecting stress distribution in root canal. *J Endod* 2003;29:523-528.
- [12] Patel S, Ricucci D, Durak C, Tay F: Internal root resorption: a review. *Journal of Endodontics* 2018;44:1107-1121.
- [13] Taha NA, Ahmad MB, Ghanim A: Assessment of mineral trioxide aggregate pulpotomy in mature permanent teeth with carious exposures. *Int Endod J* 2017; 50: 117–125.

- [14] Wolters WJ, Duncan HF, Tomson PL, Karim IE; McKenna G, Dorri M, Stangvaltaite L, Van der Sluis LWM: Minimally invasive endodontics: A new diagnostic system for assessing pulpitis and subsequent treatment needs. *Int Endod J* 2017;50:825-829.
-

ZMK 2026: (42) (4) S. 244-246

Dagmar Kromer-Busch

Was sich Parodontologie und Endodontologie zu sagen haben

- [1] S2k-Leitlinie „Therapie des dentalen Traumas bleibender Zähne“. AWMF-Registernummer: 083-004, Stand: März 2022; Gültig bis: März 2027
- [2] Befundbogen von DGET und DGZMK online abrufbar: https://www.dget.de/content/3-fuer-zahnaerzte/4-traumatologie/befundbogen-frontzahntrauma-dget-dgzmk_v2_10-2025.pdf)
- [3] Initiative „Rette deinen Zahn“ <https://www.rette-deinen-zahn.de/>
- [4] Clinical Practical Guideline: Duncan, H.F., Kirkevang, L.-L., Peters, O.A., El-Karim, I., Krastl, G., Del Fabbro, M. et al. (2023) Treatment of pulpal and apical disease: The European Society of Endodontology (ESE) S3-level clinical practice guideline. *International Endodontic Journal*, 56(Suppl. 3), 238–295. Available from: <https://doi.org/10.1111/iej.13974>
- [5] Ren Q, Yan X, Zhou Y, Li WX. Periodontal therapy as adjunctive treatment for gastric *Helicobacter pylori* infection. *Cochrane Database Syst Rev*. 2016 Feb 7;2(2):CD009477. doi: 10.1002/14651858.CD009477.pub2.
- [6] Zhao H, Yan P, Zhang N, Feng L, Chu X, Cui G, Qin Y, Yang C, Wang S, Yang K. The recurrence rate of *Helicobacter pylori* in recent 10 years: A systematic review and meta-analysis. *Helicobacter*. 2021 Dec;26(6):e12852. doi: 10.1111/hel.12852. Epub 2021 Sep 12.
- [7] Umezaki Y, Yamashita A, Nishimura F, Naito T. The role of periodontal treatment on the reduction of hemoglobinA1c, comparing with existing medication therapy: a systematic review and meta-analysis. *Front Clin Diabetes Healthc*. 2025 Feb 25;6:1541145. doi: 10.3389/fcdhc.2025.1541145. PMID: 40070580; PMCID: PMC11893427.
- [8] Wang X, Jiang D, Li T, Zhang X, Wang R, Gao S, Yang F, Wang Y, Tian Q, Xie C, Liang J. Association between microbiological risk factors and neurodegenerative disorders: An umbrella review of systematic reviews and meta-analyses. *Front Psychiatry*. 2022 Sep 23;13:991085. doi: 10.3389/fpsy.2022.991085. PMID: 36213914; PMCID: PMC9537612.

- [9] Al-Abdulla N, Bakhsh A, Mannocci F, Proctor G, Moyes D, Niazi SA. Successful endodontic treatment reduces serum levels of cardiovascular disease risk biomarkers-high-sensitivity C-reactive protein, asymmetric dimethylarginine, and matrix metalloprotease-2. *Int Endod J.* 2023 Dec;56(12):1499-1516. doi: 10.1111/iej.13979. Epub 2023 Oct 3. PMID: 37787168.
-

ZMK 2026: (42) (4) S. 248-251

Dagmar Kromer-Busch

Was sich Parodontologie und Endodontologie zu sagen haben

- [1] S2k-Leitlinie „Therapie des dentalen Traumas bleibender Zähne“. AWMF-Registernummer: 083-004, Stand: März 2022; Gültig bis: März 2027
- [2] Befundbogen von DGET und DGZMK online abrufbar: https://www.dget.de/content/3-fuer-zahnaerzte/4-traumatologie/befundbogen-frontzahntrauma-dget-dgzmk_v2_10-2025.pdf)
- [3] Initiative „Rette deinen Zahn“ <https://www.rette-deinen-zahn.de/>
- [4] Clinical Practical Guideline: Duncan, H.F., Kirkevang, L.-L., Peters, O.A., El-Karim, I., Krastl, G., Del Fabbro, M. et al. (2023) Treatment of pulpal and apical disease: The European Society of Endodontology (ESE) S3-level clinical practice guideline. *International Endodontic Journal*, 56(Suppl. 3), 238–295. Available from: <https://doi.org/10.1111/iej.13974>
- [5] Ren Q, Yan X, Zhou Y, Li WX. Periodontal therapy as adjunctive treatment for gastric *Helicobacter pylori* infection. *Cochrane Database Syst Rev.* 2016 Feb 7;2(2):CD009477. doi: 10.1002/14651858.CD009477.pub2.
- [6] Zhao H, Yan P, Zhang N, Feng L, Chu X, Cui G, Qin Y, Yang C, Wang S, Yang K. The recurrence rate of *Helicobacter pylori* in recent 10 years: A systematic review and meta-analysis. *Helicobacter.* 2021 Dec;26(6):e12852. doi: 10.1111/hel.12852. Epub 2021 Sep 12.
- [7] Umezaki Y, Yamashita A, Nishimura F, Naito T. The role of periodontal treatment on the reduction of hemoglobinA1c, comparing with existing medication therapy: a systematic review and meta-analysis. *Front Clin Diabetes Healthc.* 2025 Feb 25;6:1541145. doi: 10.3389/fcdhc.2025.1541145. PMID: 40070580; PMCID: PMC11893427.
- [8] Wang X, Jiang D, Li T, Zhang X, Wang R, Gao S, Yang F, Wang Y, Tian Q, Xie C, Liang J. Association between microbiological risk factors and neurodegenerative disorders: An umbrella review of systematic reviews and meta-analyses. *Front Psychiatry.* 2022 Sep 23;13:991085. doi: 10.3389/fpsy.2022.991085. PMID: 36213914; PMCID: PMC9537612.

- [9] Al-Abdulla N, Bakhsh A, Mannocci F, Proctor G, Moyes D, Niazi SA. Successful endodontic treatment reduces serum levels of cardiovascular disease risk biomarkers-high-sensitivity C-reactive protein, asymmetric dimethylarginine, and matrix metalloprotease-2. *Int Endod J*. 2023 Dec;56(12):1499-1516. doi: 10.1111/iej.13979. Epub 2023 Oct 3. PMID: 37787168.
- [10] Zhang Y, Le Guennec A, Pussinen P, Proctor G, Niazi SA. Successful endodontic treatment improves glucose and lipid metabolism: a longitudinal metabolomic study. *J Transl Med*. 2025 Nov 18;23(1):1195. doi: 10.1186/s12967-025-07110-0. PMID: 41250096; PMCID: PMC12625218.
- [11] Do KQ, Thai TT, Lam VQ, Nguyen TT. Development and validation of artificial intelligence models for automated periodontitis staging and grading using panoramic radiographs. *BMC Oral Health*. 2025 Oct 14;25(1):1623. doi: 10.1186/s12903-025-07025-8. PMID: 41088206; PMCID: PMC12522615.
- [12] Ramírez-Pedraza A, Salazar-Colores S, Cardenas-Valle C, Terven J, González-Barbosa JJ, Ornelas-Rodriguez FJ, Hurtado-Ramos JB, Ramirez-Pedraza R, Córdova-Esparza DM, Romero-González JA. Deep Learning in Oral Hygiene: Automated Dental Plaque Detection via YOLO Frameworks and Quantification Using the O'Leary Index. *Diagnostics (Basel)*. 2025 Jan 20;15(2):231. doi: 10.3390/diagnostics15020231. PMID: 39857115; PMCID: PMC11765238.
-

ZMK 2026; 42 (5) S. 258-261

Dr. jur. Stephan Blazy, LL.M.

**KI und Cloud in der Zahnarztpraxis:
Was bei Datenschutz und KI-Verordnung jetzt zu beachten ist**

- [1] Hofer P, Tsakiliotis K. Tests unter Realbedingungen für Hochrisiko-KI-Systeme – eine klinische Prüfung light? *KIR* 2024; 5: 174–179.
- [2] Frenzel EM, in: Paal BP, Pauli DA (Hrsg.) *Datenschutz-Grundverordnung Bundesdatenschutzgesetz*, 3. Auflage 2021, Art. 9 DSGVO: Rn. 1–5.
- [3] Krois J, Schwendicke F. Künstliche Intelligenz zur Bildanalyse in der Zahnmedizin – Wunsch oder Wirklichkeit? – *Bildgebung in der zahnmedizinischen Diagnostik*, ZMK 2019; 35 (7-8): 24–30.
- [4] Lips M. Dentale KI: Schöne neue Welt oder feindliche Übernahme?, *Die junge Zahnmedizin* 2022; 13: 26-33.
- [5] Der Hessische Beauftragte für Datenschutz und Informationsfreiheit (HBDI), Deutsche Gesellschaft für Innere Medizin e.V. (DGIM). *Datenschutz in der medizinischen Forschung - Leitfaden für Forschende in der Medizin*, Stand: 28.10.2025 (https://datenschutz.hessen.de/sites/datenschutz.hessen.de/files/2025-12/20251028_dgim_hbdi_leifaden_datenschutz_1.01.pdf).

- [6] Bischoff-Grethe A, Burak Ozyurt B, Busa E, Quinn BT, Fennema-Notestine C, Clark CP, Morris S, Bondi MW, Jernigan TL, Dale AM, Brown GG, Fischl B. A technique for the deidentification of structural brain MR images. *Hum Brain Mapp.* 2007; 28 (9): 892-903.
- [7] Roßnagel A. Datenschutzgrundsätze – unverbindliches Programm oder verbindliches Recht? – Bedeutung der Grundsätze für die datenschutzrechtliche Praxis. *ZD* 2018; 8: 339–344.
- [8] Blazy S, in: Selzer A (Hrsg.). *Praxiskommentar Datenschutzrecht*, 2. Aufl. 2026, Art. 13 DSGVO Rn. 1–38.
- [9] Thies L, Knotte R, Jandt S, Söllner M, Roßnagel A, Leimeister J. Anforderungs- und Entwurfsmuster als Instrumente des Privacy by Design, in: Roßnagel A, Friedewald M, Hansen M (Hrsg.). *Die Fortentwicklung des Datenschutzes – Zwischen Systemgestaltung und Selbstregulierung*, 2018: 175-191.
- [10] Hansen M. DSK-Orientierungshilfe KI und Datenschutz. *KIR* 2024; 1: 28–30.
- [11] Hessel S, Schneider M. Datenschutzrechtliche Verantwortlichkeit bei Cloud-Diensten. *ZD* 2024; 11: 620–624.
- [12] Datenschutzkonferenz (DSK). Orientierungshilfe der Konferenz der unabhängigen Datenschutzaufsichtsbehörden des Bundes und der Länder vom 6. Mai 2024 – Künstliche Intelligenz und Datenschutz (https://www.datenschutzkonferenz-online.de/media/oh/20240506_DSK_Orientierungshilfe_KI_und_Datenschutz.pdf).
- [13] Bieker F, Bremert B. Identifizierung von Risiken für die Grundrechte von Individuen – Auslegung und Anwendung des Risikobegriffs der DS-GVO. *ZD* 2020; 1: 7–13.
- [14] Roth-Isigkeit D. Der neue Rechtsrahmen für Künstliche Intelligenz in der Europäischen Union. *KIR* 2024; 1: 15–20.
- [15] Luckner S, Lauer W. Regulatorische Einordnung KI basierter Produkte für die medizinische Anwendung auf Basis von EUAI Act und MDR/IVDR, *Bundesgesundheitsblatt – Gesundheitsforschung. Bundesgesundheitsblatt - Gesundheitsforschung - Gesundheitsschutz* 2025; 8: 854-861.
- [16] Hüger J, Radtke T. Das Zusammenspiel der Akteure und Verantwortlichkeit unter der KI-Verordnung und der DS-GVO. *KIR* 2025; 4: 154–160.
- [17] Roth HM, Hense P. Risk-Assessment der Datenschutzfolgenabschätzung und Einordnung im betrieblichen Risikomanagement – Teil 1. *CB* 2020; 8: 276-278.