

# Publikationsverzeichnis des Hector-Centers

Stand: April 2026

1. Povazay I, Burgard L, Herrmann HJ, Neurath MF, Eyüpoglu IY, Zopf Y. Low Energy and Protein Intake in Brain Tumor Patients Despite Higher Adiposity: A Comparative Study with Gastrointestinal Cancer. *Nutrients*. 2026 Mar 26;18(7):1051. doi: 10.3390/nu18071051
2. Erhardt C, Spatz IT, Herrmann HJ, Kohl Z, Zopf Y, Gassner H, Winkler J, Regensburger M. Beyond mobility: A prospective study on diet and metabolism in hereditary spastic paraplegia. *Metab Brain Dis*. 2026 Mar 3;41(1):45. doi: 10.1007/s11011-026-01815-x
3. Trutwin BCR, Eilers J, Herrmann HJ, Neurath MF, Kohl M, Zopf Y, Burgard LC. In-Person vs. Virtual: A Comparative Study of Teaching Methods in Nutritional Medicine. *Nutrients*. 2026 Mar 3;18(5):821. doi: 10.3390/nu18050821
4. Burgard LC, Goldschmidt S, Ohse VA, Herrmann HJ, Reljic D, Neurath MF, Zopf Y. Variability in BIA-Derived Muscle Mass Estimates: Device Choice Impacts Diagnostic Classification. *Nutrients*. 2026 Feb 26;18(5):767. doi: 10.3390/nu18050767
5. Werndle VV, Stefanovic J, Reljic D. Comparative Effects of Diet, Exercise, and Pharmacotherapy on Metabolic Syndrome Severity in Overweight and Obese Cohorts: A Systematic Review and Meta-Analysis. *Nutrients*. 2026 Feb 1;18(3):473. doi: 10.3390/nu18030473

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6. Reljic D, Herrmann HJ, Dieterich W, Neurath MF, Zopf Y. Exercise improves gut microbial metabolites in an intensity-dependent manner: a pooled analysis of randomized controlled trials. *Gut Microbes*. 2025 Dec 31;17(1):2579354. doi: 10.1080/19490976.2025.2579354
7. Vetter M, Burgard L, Jesper D, Fischer S, Klett D, Lamprecht-Bailer R, Haberkamp S, Neurath MF, Zopf Y, Strobel D. Ultrasound derived fat fraction indicates reduction of liver fat content after lifestyle modification in obese patients. *Clin Hemorheol Microcirc*. 2025 Sep;91(1):39-46. doi: 10.1177/13860291251376519
8. Reljic D. High-Intensity Interval Training as Redox Medicine: Targeting Oxidative Stress and Antioxidant Adaptations in Cardiometabolic Disease Cohorts. *Antioxidants (Basel)*. 2025 Jul 30;14(8):937. doi: 10.3390/antiox14080937
9. Albrecht H, Herrmann HJ, Jaensch P, Zerth J, Siebler J, Neurath MF, Konturek PC, Zopf Y. A national evaluation of the implementation of guideline recommendations towards antibiotic prophylaxis prior to percutaneous endoscopic gastrostomy and jejunostomy tube placement. *J Physiol Pharmacol*. 2025 Feb;76(1). doi: 10.26402/jpp.2025.1.06. Epub 2025 Mar 18.
10. Reljic D, Herrmann HJ, Neurath MF, Zopf Y. Impact of Different Low-Volume Concurrent Training Regimens on Cardiometabolic Health, Inflammation, and Fitness in Obese Metabolic Syndrome Patients. *Nutrients*. 2025 Jan 31;17(3):561. doi: 10.3390/nu17030561.

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11. Mittelstadt A, Anthuber A, David P, .... Zopf Y, et al. Exosomal ROR1 in peritoneal fluid identifies peritoneal disseminated PDAC and is associated with poor survival. *Front Immunol.* 2024;15:1253072. doi:10.3389/fimmu.2024.1253072
  12. Schneider A, Baur C, Zopf Y, Török HP, Sina C, Prinz C, Mönnich H, Madisch A, Maluck-Schölecke S, Rötzer I, Seipt C, Götte A, Beer J, Jäger E. Quality of care of oncological patients with home parenteral nutrition. *Support Care Cancer.* 2024 Nov 29;32(12):834. doi: 10.1007/s00520-024-09011-2.
  13. Natarajan A, Pradhan R, Dieterich W, Schwappacher R, Reljic D, Herrmann HJ, Neurath MF, Hack CC, Beckmann MW, Zopf Y. The Influence of Physical Training on Breast Cancer: The Role of Exercise-Induced Myokines in Regulating Breast Cancer Cell Growth and Survival. *Int J Mol Sci.* 2024 Oct 23;25(21):11379. doi: 10.3390/ijms252111379.
  14. Hardt LM, Konturek PC, Herrmann HJ, Reljic D, Kugler L, Meyer J, Neurath MF, Zopf Y. Adherence and acceptance of a new oral nutritional supplement in cancer patients - a pilot study in crossover design. *J Physiol Pharmacol.* 2024 Aug;75(4). doi: 10.26402/jpp.2024.4.07.
  15. Zopf Y, Dieterich W. [IgE- and non-IgE-mediated food allergies - an overview]. *Dtsch Med Wochenschr.* 2024 Sep;149(18):1080-1088. doi: 10.1055/a-2194-9047.
  16. Reljic D, Zieseniss N, Herrmann HJ, Neurath MF, Zopf Y. Protein Supplementation Increases Adaptations to Low-Volume, Intra-Session Concurrent Training in Untrained Healthy Adults: A Double-Blind, Placebo-Controlled, Randomized Trial. *Nutrients.* 2024 Aug 15;16(16):2713. doi: 10.3390/nu16162713.
  17. Reljic D, Herrmann HJ, Zopf Y. Commentary: Revised contraindications for the use of non-medical WB-electromyostimulation. Evidence-based German consensus recommendations. *Front Sports Act Living.* 2024 Jul 22;6:1425233. doi: 10.3389/fspor.2024.1425233.
  18. Dotsenko V, Tewes B, Hils M, Pasternack R, Isola J, Taavela J, Popp A, Sarin J, Huhtala H, Hiltunen P, Zimmermann T, Mohrbacher R, Greinwald R, Lundin KEA, Schuppan D, Mäki M, Viiri K & CEC-3 Investigators. Transcriptomic analysis of intestine following administration of a transglutaminase 2 inhibitor to prevent gluten-induced intestinal damage in celiac disease. *Nat Immunol.* 2024 Jul;25(7):1218-1230. doi: 10.1038/s41590-024-01867-0.
  19. Pradhan P, Dieterich W, Natarajan A, Schwappacher R, Reljic D, Herrmann HJ, Neurath MF, Zopf Y. Influence of Amino Acids and Exercise on Muscle Protein Turnover, Particularly in Cancer Cachexia. *Cancers (Basel).* 2024 May 18;16(10):1921. doi: 10.3390/cancers16101921.
  20. Haug M, Schwappacher R, Pollmann C, Ritter P, Michael M, Herrmann HJ, Grützmann R, Mittelstädt A, Neurath MF, Zopf Y, Friedrich O. Effects of Adjuvant Exercise and Nutrition Therapy on Muscle Fibre Biomechanics in Gastrointestinal Cancer Patients. *Cancers (Basel).* 2024 Apr 22;16(8):1608. doi: 10.3390/cancers16081608.
- 
21. Reljic D, Koller A, Herrmann HJ, Ekici AB, Neurath MF, Zopf Y. Differential Effects of Very-Low-Volume Exercise Modalities on Telomere Length, Inflammation, and Cardiometabolic Health in Obese Metabolic Syndrome Patients: A Subanalysis from Two Randomized Controlled Trials. *Antioxidants (Basel).* 2023 Oct 11;12(10):1847. doi: 10.3390/antiox12101847.
  22. Hardt LM, Herrmann HJ, Reljic D, Jaensch P, Zerth J, Neurath MF, Zopf Y. Are Guideline Recommendations on Supportive Nutrition and Exercise Therapy for Cancer Patients Implemented in Clinical Routine? A National Survey with Real-Life Data. *Nutrients.* 2023 Jul 17;15(14):3172. doi: 10.3390/nu15143172.
  23. Gruber J, Hanssen R, Qubad M, Bouzouina A, Schack V, Sochor H, Schiweck C, Aichholzer M, Matura S, Slattery DA, Zopf Y, Borgland SL, Reif A, Thanarajah SE. Impact of insulin and

- insulin resistance on brain dopamine signalling and reward processing - An underexplored mechanism in the pathophysiology of depression? *Neurosci Biobehav Rev.* 2023 Jun;149:105179. doi: 10.1016/j.neubiorev.2023.105179.
24. Enderle J, Reljic D, Jensen B, Peine S, Zopf Y, Bosy-Westphal A. Normal values for body composition in adults are better represented by continuous reference ranges dependent on age and BMI. *Clin Nutr.* 2023 May;42(5):644-652. doi: 10.1016/j.clnu.2023.03.006.
  25. Reljic D, Frenk F, Herrmann HJ, Neurath MF, Zopf Y. Maximum Heart Rate- and Lactate Threshold-Based Low-Volume High-Intensity Interval Training Prescriptions Provide Similar Health Benefits in Metabolic Syndrome Patients. *Healthcare (Basel).* 2023 Feb 28;11(5):711. doi: 10.3390/healthcare11050711.
- 
26. Dieterich W, Schuster C, Gundel P, Scherf KA, Pronin D, Geisslitz S, Börner A, Neurath MF, Zopf Y. Proteins from Modern and Ancient Wheat Cultivars: Impact on Immune Cells of Healthy Individuals and Patients with NCGS. *Nutrients.* 2022 Oct 12;14(20):4257. doi: 10.3390/nu14204257.
  27. Reljic D, Zieseniss N, Herrmann HJ, Neurath MF, Zopf Y. Protein Supplementation Does Not Maximize Adaptations to Low-Volume High-Intensity Interval Training in Sedentary, Healthy Adults: A Placebo-Controlled Double-Blind Randomized Study. *Nutrients.* 2022 Sep 20;14(19):3883. doi: 10.3390/nu14193883.
  28. Reljic D, Eichhorn A, Herrmann HJ, Neurath MF, Zopf Y. Very Low-Volume, High-Intensity Interval Training Mitigates Negative Health Impacts of COVID-19 Pandemic-Induced Physical Inactivity. *Int J Environ Res Public Health.* 2022 Sep 28;19(19):12308. doi: 10.3390/ijerph191912308.
  29. Greif S, Maasberg S, Wehkamp J, Fusco S, Zopf Y, Herrmann HJ, Lamprecht G, Jacob T, Schiefke I, von Websky MW, Büttner J, Blüthner E, Tacke F, Pape UF. Long-term results of teduglutide treatment for chronic intestinal failure - Insights from a national, multi-centric patient home-care service program. *Clin Nutr ESPEN.* 2022 Oct;51:222-230. doi: 10.1016/j.clnesp.2022.08.027.
  30. Reljic D, Herrmann HJ, Jakobs B, Dieterich W, Mougiakakos D, Neurath MF, Zopf Y. Feasibility, Safety, and Preliminary Efficacy of Very Low-Volume Interval Training in Advanced Cancer Patients. *Med Sci Sports Exerc.* 2022 Nov 1;54(11):1817-1830. doi: 10.1249/MSS.0000000000002989.
  31. Reljic D, Dieterich W, Herrmann HJ, Neurath MF, Zopf Y. "HIIT the Inflammation": Comparative Effects of Low-Volume Interval Training and Resistance Exercises on Inflammatory Indices in Obese Metabolic Syndrome Patients Undergoing Caloric Restriction. *Nutrients.* 2022 May 10;14(10):1996. doi: 10.3390/nu14101996.
  32. Felber J, Bläker H, Fischbach W, Koletzko S, Laaß M, Lachmann N, Lorenz P, Lynen P, Reese I, Scherf K, Schuppan D, Schumann M, Aust D, Baas S, Beisel S, de Laffolie J, Duba E, Holtmeier W, Lange L, Loddenkemper C, Moog G, Rath T, Roeb E, Rubin D, Stein J, Török H, Zopf Y. Aktualisierte S2k-Leitlinie Zöliakie der Deutschen Gesellschaft für Gastroenterologie, Verdauungs- und Stoffwechselkrankheiten (DGVS). *Z Gastroenterol.* 2022 May;60(5):790-856. doi: 10.1055/a-1741-5946. Epub 2022 May 11.
  33. Reljic D, Konturek PC, Herrmann HJ, Siebler J, Neurath MF, Zopf Y. Very low-volume interval training improves nonalcoholic fatty liver disease fibrosis score and cardiometabolic health in adults with obesity and metabolic syndrome. *J Physiol Pharmacol.* 2021 Dec;72(6). doi: 10.26402/jpp.2021.6.10. Epub 2022 Apr 24.
  34. Sturm A, Atreya R, Bettenworth D, Bokemeyer B, Dignaß A, Eehalt R, Germer C, Grunert PC, Helwig U, Herrlinger K, Kienle P, Kreis ME, Kucharzik T, Langhorst J, Maaser C, Ockenga

J, Ott C, Siegmund B, Zeißig S, Stallmach A; Collaborators: Aktualisierte S3-Leitlinie „Diagnostik und Therapie des Morbus Crohn“ der Deutschen Gesellschaft für Gastroenterologie, Verdauungs- und Stoffwechselkrankheiten (DGVS) – August 2021 – AWMF-Registernummer: 021-004. *Z Gastroenterol.* 2022 Mar;60(3):332-418. doi: 10.1055/a-1713-3941. Epub 2022 Mar 9.

- 
35. Schwappacher R, Dieterich W, Reljic D, Pilarsky C, Mukhopadhyay D, Chang DK, Biankin AV, Siebler J, Herrmann HJ, Neurath MF, Zopf Y. Muscle-Derived Cytokines Reduce Growth, Viability and Migratory Activity of Pancreatic Cancer Cells. *Cancers (Basel)*. 2021 Jul 29;13(15):3820.
  36. Schuppan D, Mäki M, Lundin KEA, Isola J, Friesing-Sosnik T, Taavela J, Popp A, Koskenpato J, Langhorst J, Hovde Ø, Lähdeaho ML, Fusco S, Schumann M, Török HP, Kupcinskis J, Zopf Y, Lohse AW, Scheinin M, Kull K, Biedermann L, Byrnes V, Stallmach A, Jahnsen J, Zeitz J, Mohrbacher R, Greinwald R; CEC-3 Trial Group. A Randomized Trial of a Transglutaminase 2 Inhibitor for Celiac Disease. *N Engl J Med*. 2021 Jul 1;385(1):35-45.
  37. Rath T, Dieterich W, Kätscher-Murad C, Neurath MF, Zopf Y. Cross-sectional imaging of intestinal barrier dysfunction by confocal laser endomicroscopy can identify patients with food allergy in vivo with high sensitivity. *Sci Rep*. 2021 Jun 17;11(1):12777.
  38. Reljic D, Herrmann HJ, Neurath MF, Zopf Y. Iron Beats Electricity: Resistance Training but Not Whole-Body Electromyostimulation Improves Cardiometabolic Health in Obese Metabolic Syndrome Patients during Caloric Restriction-A Randomized-Controlled Study. *Nutrients*. 2021 May 13;13(5):1640.
  39. Rostami K, Bold J, Ismail Ali J, Parr A, Dieterich W, Zopf Y, Htoo A, Rostami-Nejad M, Danciu M. An algorithm for differentiating food antigen-related gastrointestinal symptoms. *Gastroenterol Hepatol Bed Bench*. 2021 Winter;14(1):8-16.
  40. Dieterich W, Tietz E, Kohl M, Konturek PC, Rath T, Neurath MF, Zopf Y. Food Intolerance of Unknown Origin: Caused by Mucosal Inflammation? A Pilot Study. *Clin Transl Gastroenterol*. 2021 Feb 17;12(2):e00312.
  41. Reljic D, Frenk F, Herrmann HJ, Neurath MF, Zopf Y. Effects of very low volume high intensity versus moderate intensity interval training in obese metabolic syndrome patients: a randomized controlled study. *Sci Rep*. 2021 Feb 2;11(1):2836.
- 
42. Reljic D, Frenk F, Herrmann HJ, Neurath MF, Zopf Y. Low-volume high-intensity interval training improves cardiometabolic health, work ability and well-being in severely obese individuals: a randomized-controlled trial sub-study. *J Transl Med*. 2020 Nov 7;18(1):419.
  43. Reljic D, Zarafat D, Jensen B, Herrmann HJ, Neurath MF, Konturek PC, Zopf Y. Phase angle and vector analysis from multifrequency segmental bioelectrical impedance analysis: new reference data for older adults. *J Physiol Pharmacol*. 2020 Aug;71(4).
  44. Bittner DO, Goeller M, Dey D, Zopf Y, Achenbach S, Marwan M. High levels of eicosapentaenoic acid are associated with lower pericoronary adipose tissue attenuation as measured by coronary CTA. *Atherosclerosis*. 2020 Oct 10;S0021-9150(20)30569-4.
  45. Konturek PC, Konturek K, Brzozowski T, Wojcik D, Magierowski M, Targosz A, Krzysiek-Maczka G, Sliwowski Z, Strzalka M, Magierowska K, Szczyrk U, Kwiecien S, Ptak-Belowska A, Neurath M, Dieterich W, Wirtz S, Zopf Y. Participation of the intestinal microbiota in the mechanism of beneficial effect of treatment with synbiotic Syngut on experimental colitis under stress conditions. *J Physiol Pharmacol*. 2020 Jun;71(3).
  46. Konturek PC, Konturek K, Zopf Y. [Stress and inflammatory bowel disease]. *MMW Fortschr Med*. 2020 Jul;162(Suppl 5):3-6.

47. Schwappacher R, Schink K, Sologub S, Dieterich W, Reljic D, Friedrich O, Herrmann HJ, Neurath MF, Zopf Y. Physical activity and advanced cancer: evidence of exercise-sensitive genes regulating prostate cancer cell proliferation and apoptosis. *J Physiol*. 2020 Sep;598(18):3871-3889.
48. Konturek PC, Harsch IA, Neurath MF, Zopf Y. COVID-19 - more than respiratory disease: a gastroenterologist's perspective. *J Physiol Pharmacol*. 2020 Apr;71(2).
49. Reljic D, Konturek PC, Herrmann HJ, Neurath MF, Zopf Y. Effects of whole-body electromyostimulation exercise and caloric restriction on cardiometabolic risk profile and muscle strength in obese women with the metabolic syndrome: a pilot study. *J Physiol Pharmacol*. 2020 Feb;71(1).
50. Konturek P, Konturek K, Zopf Y, Harsch IA [Intestinal microbiota - a vital "organ" with manifold functions]. *MMW Fortschr Med*. 2020 Mar;162(Suppl 4):9-14.
51. Dieterich W, Neurath MF, Zopf Y. Intestinal ex vivo organoid culture reveals altered programmed crypt stem cells in patients with celiac disease. *Sci Rep*. 2020 Feb 26;10(1):3535.
52. Schink K, Gaßner H, Reljic D, Herrmann HJ, Kemmler W, Schwappacher R, Meyer J, Eskofier BM, Winkler J, Neurath MF, Klucken J, Zopf Y. Assessment of gait parameters and physical function in patients with advanced cancer participating in a 12-week exercise and nutrition programme: A controlled clinical trial. *Eur J Cancer Care (Engl)*. 2020 Mar;29(2):e13199.
53. Bittner DO, Goeller M, Zopf Y, Achenbach S, Marwan M. Early-onset coronary atherosclerosis in patients with low levels of omega-3 fatty acids. *Eur J Clin Nutr*. 2020 Apr;74(4):651-656.
54. Zopf Y, Schink K, Reljic D, Herrmann HJ, Dieterich W, Kiesswetter E, Sieber CC, Neurath MF, Volkert D. Assessing cachexia in older patients: Different definitions - But which one is the most practical for clinical routine? *Arch Gerontol Geriatr*. 2020 Jan-Feb;86:103943.

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55. Dieterich W, Schuppan D, Schink M, Schwappacher R, Wirtz S, Agaimy A, Neurath MF, Zopf Y. Influence of low FODMAP and gluten-free diets on disease activity and intestinal microbiota in patients with non-celiac gluten sensitivity. *Clin Nutr*. 2019 Apr;38(2):697-707.
56. Schink M, Konturek PC, Herbert SL, Renner SP, Burghaus S, Blum S, Fasching PA, Neurath MF, Zopf Y. Different nutrient intake and prevalence of gastrointestinal comorbidities in women with endometriosis. *J Physiol Pharmacol*. 2019 Apr;70(2).
57. Dieterich W, Zopf Y. Gluten and FODMAPS—Sense of a Restriction/When Is Restriction Necessary? *Nutrients*. 2019 Aug; 11(8): 1957.
58. Reljic D, Lampe D, Wolf F, Zopf Y, Herrmann HJ, Fischer J. Prevalence and predictors of dropout from high-intensity interval training in sedentary individuals: A meta-analysis. *Scand J Med Sci Sports*. 2019 Sep;29(9):1288-1304.
59. Gingrich A, Volkert D, Kiesswetter E, Thomanek M, Bach S, Sieber CC, Zopf Y. Prevalence and overlap of sarcopenia, frailty, cachexia and malnutrition in older medical inpatients. *BMC Geriatr*. 2019; 19: 120.
60. Schmitt H, Billmeier U, Dieterich W, Rath T, Sonnewald S, Reid S, Hirschmann S, Hildner K, Waldner MJ, Mudter J, Hartmann A, Grützmann R, Neufert C, Münster T, Neurath MF, Atreya R. Expansion of IL-23 receptor bearing TNFR2+ T cells is associated with molecular resistance to anti-TNF therapy in Crohn's disease. *Gut*. 2019 May;68(5):814-828.
61. Schink K, Reljic D, Herrmann HJ, Meyer J, Mackensen A, Neurath MF, Zopf Y. Whole-Body Electromyostimulation Combined With Individualized Nutritional Support Improves Body

- Composition in Patients With Hematological Malignancies – A Pilot Study. *Front Physiol.* 2018; 9: 1808.
62. Zopf Y, Reljic D, Dieterich W. Dietary Effects on Microbiota—New Trends with Gluten-Free or Paleo Diet. *Med Sci (Basel)* 2018 Dec; 6(4): 92.
  63. Schink M, Konturek PC, Tietz E, Dieterich W, Pinzer TC, Wirtz S, Neurath MF, Zopf Y. Microbial patterns in patients with histamine intolerance. *J Physiol Pharmacol.* 2018 Aug;69(4).
  64. Konturek PC, Harsch IA, Konturek K, Schink M, Konturek T, Neurath MF, Zopf Y. Gut–Liver Axis: How Do Gut Bacteria Influence the Liver? *Med Sci (Basel)* 2018 Sep; 6(3): 79.
  65. Schink K, Herrmann HJ, Schwappacher R, Meyer J, Orlemann T, Waldmann E, Wullich B, Kahlmeyer A, Fietkau R, Lubgan D, Beckmann MW, Hack C, Kemmler W, Siebler J, Neurath MF, Zopf Y. Effects of whole-body electromyostimulation combined with individualized nutritional support on body composition in patients with advanced cancer: a controlled pilot trial. *BMC Cancer.* 2018; 18: 886.
  66. Dieterich W, Schink M, Zopf Y. Microbiota in the Gastrointestinal Tract. *Med Sci (Basel)* 2018 Dec; 6(4): 116.
  67. Orlemann T, Reljic D, Zenker B, Meyer J, Eskofier B, Thiemt J, Herrmann HJ, Neurath MF, Zopf Y. A Novel Mobile Phone App (OncoFood) to Record and Optimize the Dietary Behavior of Oncologic Patients: Pilot Study. *JMIR Cancer.* 2018 Jul-Dec; 4(2): e10703.
  68. Zopf Y, Reljic D, Dieterich W. Dietary Effects on Microbiota-New Trends with Gluten-Free or Paleo Diet. *Med Sci (Basel).* 2018 Oct 18;6(4):92.
  69. Reljic D, Wittmann F, Fischer JE. Effects of low-volume high-intensity interval training in a community setting: a pilot study. *Eur J Appl Physiol.* 2018 Jun;118(6):1153-1167.
  70. Pinzer TC, Tietz E, Waldmann E, Schink M, Neurath MF, Zopf Y. Circadian profiling reveals higher histamine plasma levels and lower diamine oxidase serum activities in 24% of patients with suspected histamine intolerance compared to food allergy and controls. *Allergy.* 2018 Apr; 73(4): 949–957.
  71. Schalk P, Kohl M, Herrmann HJ, Schwappacher R, Rimmele ME, Buettner A, Siebler J, Neurath MF, Zopf Y. Influence of cancer and acute inflammatory disease on taste perception: a clinical pilot study. *Support Care Cancer.* 2018; 26(3): 843–851. Correction in: *Support Care Cancer.* 2020 May;28(5):2431.
  72. Catassi C, Alaedini A, Bojarski C, Bonaz B, Bouma G, Carroccio A, Castillejo G, De Magistris L, Dieterich W, Di Liberto D, Elli L, Fasano A, Hadjivassiliou M, Kurien M, Lionetti E, Mulder CJ, Rostami K, Sapone A, Scherf K, Schuppan D, Trott N, Volta U, Zevallos V, Zopf Y, Sanders DS. The Overlapping Area of Non-Celiac Gluten Sensitivity (NCGS) and Wheat-Sensitive Irritable Bowel Syndrome (IBS): An Update. *Nutrients.* 2017 Nov; 9(11): 1268.
  73. Konturek PC, Zopf Y. [Therapeutic modulation of intestinal microbiota in irritable bowel syndrome. From probiotics to fecal microbiota therapy]. *MMW Fortschr Med.* 2017 Dec;159(Suppl 7):1-5.
  74. Konturek PC, Koziel J, Dieterich W, Haziri D, Wirtz S, Glowczyk I, Konturek K, Neurath MF, Zopf Y. Successful therapy of *Clostridium difficile* infection with fecal microbiota transplantation. *J Physiol Pharmacol.* 2016 Dec;67(6):859-866.
  75. Billmeier U, Dieterich W, Neurath MF, Atreya R. Molecular mechanism of action of anti-tumor necrosis factor antibodies in inflammatory bowel diseases. *World J Gastroenterol.* 2016 Nov 14;22(42):9300-9313.
  76. Konturek PC, Zopf Y. [Gut microbiome and psyche: paradigm shift in the concept of brain-gut axis]. *MMW Fortschr Med.* 2016 May 25;158 Suppl 4:12-6.

77. Schulze-Krebs A, Canneva F, Schnepf R, Dobner J, Dieterich W, von Hörsten S. In situ enzymatic activity of transglutaminase isoforms on brain tissue sections of rodents: A new approach to monitor differences in post-translational protein modifications during neurodegeneration. *Brain Res.* 2016 Jan 15;1631:22-33.
78. Catassi C, Elli L, Bonaz B, Bouma G, Carroccio A, Castillejo G, Cellier C, Cristofori F, de Magistris L, Dolinsek J, Dieterich W, Francavilla R, Hadjivassiliou M, Holtmeier W, Körner U, Leffler DA, Lundin KEA, Mazzarella G, Mulder CJ, Pellegrini N, Rostami K, Sanders D, Skodje GI, Schuppan D, Ullrich R, Volta U, Williams M, Zevallos VF, Zopf Y, Fasano A. Diagnosis of Non-Celiac Gluten Sensitivity (NCGS): The Salerno Experts' Criteria. *Nutrients.* 2015 Jun; 7(6): 4966–4977.
79. Raithel M, Hagel A, Albrecht H, Zopf Y, Naegel A, Baenkler HW, Buchwald F, Schultis HW, Kressel J, Hahn EG, Konturek P. Excretion of urinary histamine and N-tele methylhistamine in patients with gastrointestinal food allergy compared to non-allergic controls during an unrestricted diet and a hypoallergenic diet. *BMC Gastroenterol.* 2015; 15: 41.
80. Konturek PC, Herrmann HJ, Schink K, Neurath MF, Zopf Y. Malnutrition in Hospitals: It Was, Is Now, and Must Not Remain a Problem! *Med Sci Monit.* 2015; 21: 2969–2975.
81. Zopf Y, Dieterich W. [Non-celiac disease non-wheat allergy wheat sensitivity]. *Dtsch Med Wochenschr.* 2015 Nov;140(22):1683-7.
82. Tontini GE, Mudter J, Vieth M, Atreya R, Günther C, Zopf Y, Wildner D, Kiesslich R, Vecchi M, Neurath MF, Neumann H. Confocal laser endomicroscopy for the differential diagnosis of ulcerative colitis and Crohn's disease: a pilot study. *Endoscopy.* 2015 May;47(5):437-43.
83. Atreya R, Neumann H, Neufert C, Waldner MJ, Billmeier U, Zopf Y, Willma M, App C, Münster T, Kessler H, Maas S, Gebhardt B, Heimke-Brinck R, Reuter E, Dörje F, Rau TT, Uter W, Wang TD, Kiesslich R, Vieth M, Hannappel E, Neurath MF. *In vivo* imaging using fluorescent antibodies to tumor necrosis factor predicts therapeutic response in Crohn's disease. *Nat Med.* 2014 Mar; 20(3): 313–318.
84. Fischer M, Zopf Y, Elm C, Pechmann G, Hahn EG, Schwab D, Kornhuber J, Thuerauf NJ. Subjective and objective olfactory abnormalities in Crohn's disease. *Chem Senses.* 2014 Jul;39(6):529-38.
85. Oertel-Knöchel V, Mehler P, Thiel C, Steinbrecher K, Malchow B, Tesky V, Ademmer K, Prvulovic D, Banzer W, Zopf Y, Schmitt A, Hänsel F. Effects of aerobic exercise on cognitive performance and individual psychopathology in depressive and schizophrenia patients. *Eur Arch Psychiatry Clin Neurosci.* 2014 Oct;264(7):589-604.
86. Hagel AF, deRossi T, Zopf Y, Konturek P, Dauth W, Kressel J, Hahn EG, Raithel M. Mast cell tryptase levels in gut mucosa in patients with gastrointestinal symptoms caused by food allergy. *Int Arch Allergy Immunol.* 2013;160(4):350-5.
87. Weidenhiller M, Layritz C, Hagel AF, Kuefner M, Zopf Y, Raithel M. [Histamine intolerance syndrome (HIS): plethora of physiological, pathophysiological and toxic mechanisms and their differentiation]. *Z Gastroenterol.* 2012 Dec;50(12):1302-9.
88. Raithel M, Hagel AF, Zopf Y, Bijlsma PB, de Rossi TM, Gabriel S, Weidenhiller M, Kressel J, Hahn EG, Konturek PC. Analysis of immediate ex vivo release of nitric oxide from human colonic mucosa in gastrointestinally mediated allergy, inflammatory bowel disease and controls. *J Physiol Pharmacol.* 2012 Aug;63(4):317-25.
89. Zimmermann S, Flachskampf FA, Alff A, Schneider R, Dechant K, Klinghammer L, Stumpf C, Zopf Y, Loehr T, Brand G, Ludwig J, Daniel WG, Achenbach S. Out-of-hospital cardiac arrest and percutaneous coronary intervention for ST-elevation myocardial infarction: long-term survival and neurological outcome. *Int J Cardiol.* 2013 Jun 5;166(1):236-41.

90. Ende A, Zopf Y, Konturek P, Naegel A, Hahn EG, Matthes K, Maiss J. Strategies for training in diagnostic upper endoscopy: a prospective, randomized trial. *Gastrointest Endosc.* 2012 Feb;75(2):254-60.
91. Raithel M, Zopf Y, Kimpel S, Naegel A, Molderings GJ, Buchwald F, Schultis HW, Kressel J, Hahn EG, Konturek P. The measurement of leukotrienes in urine as diagnostic option in systemic mastocytosis. *J Physiol Pharmacol.* 2011 Aug;62(4):469-72.
92. Naegel A, Bolz J, Zopf Y, Matthes K, Mueller B, Kraus F, Neurath MF, Maiss J. Hemodynamic efficacy of the over-the-scope clip in an established porcine cadaveric model for spurting bleeding. *Gastrointest Endosc.* 2012 Jan;75(1):152-9.
93. Hagel AF, de Rossi TM, Zopf Y, Lindner AS, Dauth W, Neurath MF, Raithel M. Small-bowel capsule endoscopy in patients with gastrointestinal food allergy. *Allergy.* 2012 Feb;67(2):286-92.
94. Popov Y, Sverdlov DY, Sharma AK, Bhaskar KR, Li S, Freitag TL, Lee J, Dieterich W, Melino G, Schuppan D. Tissue transglutaminase does not affect fibrotic matrix stability or regression of liver fibrosis in mice. *Gastroenterology.* 2011 May;140(5):1642-52.
95. Ruehl M, Muche M, Freise C, Erben U, Neumann U, Schuppan D, Popov Y, Dieterich W, Zeitz M, Farndale RW, Somasundaram R. Hydroxyproline-containing collagen analogs trigger the release and activation of collagen-sequestered proMMP-2 by competition with prodomain-derived peptide P33-42. *Fibrogenesis Tissue Repair.* 2011 Jan 6;4(1):1.
96. Zopf Y, Maiss J, Konturek P, Rabe C, Hahn EG, Schwab D. Predictive factors of mortality after PEG insertion: guidance for clinical practice. *JPEN J Parenter Enteral Nutr.* 2011 Jan;35(1):50-5.
97. Ende A, Zopf Y, Heide R, Bernatik T, Wehler M, Schwab D, Hahn EG, Maiss J. Hemodynamic efficacy of sequential hemoclip application using the Olympus HX-110/610 reloadable clipping device in spurting bleedings. *Med Sci Monit.* 2011; 17(1): MT1–MT6
98. Zopf Y. Correspondence (reply): In Reply. *Dtsch Arztebl Int.* 2010 Jan; 107(3): 40–41.
99. Maiss J, Zopf Y, Hahn EG. Entrance barriers and integration obstacles of NOTES. *Minim Invasive Ther Allied Technol.* 2010 Oct;19(5):287-91.
100. Goertz RS, Zopf Y, Jugl V, Heide R, Janson C, Strobel D, Bernatik T, Haendl T. Measurement of liver elasticity with acoustic radiation force impulse (ARFI) technology: an alternative noninvasive method for staging liver fibrosis in viral hepatitis. *Ultraschall Med.* 2010 Apr;31(2):151-5.
101. Maiss J, Schwab D, Ludwig A, Naegel A, Ende A, Hahn G, Zopf Y. Medical and endoscopic treatment in peptic ulcer bleeding: a national German survey. *Z Gastroenterol.* 2010 Feb;48(2):246-55.
102. Raithel M, Nägel A, Zopf Y, deRossi T, Stengel Ch, Hagel A, Kressel J, Hahn EG, Konturek P. Plasma histamine levels (H) during adjunctive H1-receptor antagonist treatment with loratadine in patients with active inflammatory bowel disease (IBD). *Inflamm Res.* 2010 Mar;59 Suppl 2:S257-8.
103. Ciccocioppo R, Finamore A, Mengheri E, Millimaggi D, Esslinger B, Dieterich W, Papola F, Colangeli S, Tombolino V, Schuppan D, Corazza GR. Isolation and characterization of circulating tissue transglutaminase-specific T cells in coeliac disease. *Int J Immunopathol Pharmacol.* 2010 Jan-Mar;23(1):179-91.
104. Zöller-Utz IM, Esslinger B, Schulze-Krebs A, Dieterich W. Natural hidden autoantibodies to tissue transglutaminase cross-react with fibrinogen. *J Clin Immunol.* 2010 Mar;30(2):204-12.
105. Rakhimova M, Esslinger B, Schulze-Krebs A, Hahn EG, Schuppan D, Dieterich W. In vitro differentiation of human monocytes into dendritic cells by peptic-tryptic digest of gliadin is

- independent of genetic predisposition and the presence of celiac disease. *J Clin Immunol.* 2009 Jan;29(1):29-37.
106. Zopf Y, Rabe C, Neubert A, Janson C, Brune K, Hahn EG, Dormann H. Gender-based differences in drug prescription: relation to adverse drug reactions. *Pharmacology.* 2009;84(6):333-9.
  107. Zopf Y, Baenkler HW, Silbermann A, Hahn EG, Raithel M. The differential diagnosis of food intolerance. *Dtsch Arztebl Int.* 2009 May;106(21):359-69; quiz 369-70; 4 p following 370.
  108. Zopf Y, Rabe C, Bruckmoser T, Maiss J, Hahn EG, Schwab D. Percutaneous endoscopic jejunostomy and jejunal extension tube through percutaneous endoscopic gastrostomy: a retrospective analysis of success, complications and outcome. *Digestion.* 2009;79(2):92-7
  109. Zopf Y, Rabe C, Kollmann S, Hahn EG, Thürauf N, Schwab D. Alterations of taste perception in Crohn's disease and their dependency on disease activity and nutritional behavior. *J Clin Gastroenterol.* 2009 Aug;43(7):617-21.
  110. Zopf Y, Hahn EG, Raithel M, Baenkler HW, Silbermann A. The Differential Diagnosis of Food Intolerance. *Dtsch Arztebl Int.* 2009 May; 106(21): 359–370.
  111. Zopf Y, Konturek P, Nuernberger A, Maiss J, Zenk J, Iro H, Hahn EG, Schwab D. Local infection after placement of percutaneous endoscopic gastrostomy tubes: a prospective study evaluating risk factors. *Can J Gastroenterol.* 2008 Dec;22(12):987-91.
  112. Konturek PC, Burnat G, Brzozowski T, Zopf Y, Konturek SJ. Tryptophan free diet delays healing of chronic gastric ulcers in rat. *J Physiol Pharmacol.* 2008 Aug;59 Suppl 2:53-65
  113. Zopf Y, Rabe C, Neubert A, Hahn EG, Dormann H. Risk factors associated with adverse drug reactions following hospital admission: a prospective analysis of 907 patients in two German university hospitals. *Drug Saf.* 2008;31(9):789-98.
  114. Zopf Y, Rabe C, Neubert A, Gassmann KG, Rascher W, Hahn EG, Brune K, Dormann H. Women encounter ADRs more often than do men. *Eur J Clin Pharmacol.* 2008 Oct;64(10):999-1004.
  115. Dieterich W, Schuppan D. Is gliadin harmful from the first morsel? *Dig Liver Dis.* 2007 Oct;39(10):917-21.
  116. Maiss J, Baumbach C, Zopf Y, Naegel A, Wehler M, Bernatik T, Hahn EG, Schwab D. Hemodynamic efficacy of the new resolution clip device in comparison with high-volume injection therapy in spurting bleeding: a prospective experimental trial using the compactEASIE simulator. *Endoscopy.* 2006 Aug;38(8):808-12.
  117. Maiss J, Dumser C, Zopf Y, Naegel A, Krauss N, Hochberger J, Matthes K, Hahn EG, Schwab D. "Hemodynamic efficacy" of two endoscopic clip devices used in the treatment of bleeding vessels, tested in an experimental setting using the compact Erlangen Active Simulator for Interventional Endoscopy (compactEASIE) training model. *Endoscopy.* 2006 Jun;38(6):575-80.
  118. Dieterich W, Esslinger B, Trapp D, Hahn E, Huff T, Seilmeier W, Wieser H, Schuppan D. Cross linking to tissue transglutaminase and collagen favours gliadin toxicity in coeliac disease. *Gut.* 2006 Apr;55(4):478-84
  119. Ruehl M, Erben U, Schuppan D, Wagner C, Zeller A, Freise C, Al-Hasani H, Loesekann M, Notter M, Wittig BM, Zeitz M, Dieterich W, Somasundaram R. The elongated first fibronectin type III domain of collagen XIV is an inducer of quiescence and differentiation in fibroblasts and preadipocytes. *J Biol Chem.* 2005 Nov 18;280(46):38537-43.
  120. Dieterich W, Esslinger B, Schuppan D. Pathomechanisms in celiac disease. *Int Arch Allergy Immunol.* 2003 Oct;132(2):98-108

121. Dieterich W, Trapp D, Esslinger B, Leidenberger M, Piper J, Hahn E, Schuppan D. Autoantibodies of patients with coeliac disease are insufficient to block tissue transglutaminase activity. *Gut*. 2003 Nov;52(11):1562-6.
122. Schuppan D, Esslinger B, Dieterich W. Innate immunity and coeliac disease. *Lancet*. 2003 Jul 5;362(9377):3-4.
123. Schuppan D, Dieterich W. A molecular warhead and its target: tissue transglutaminase and Celiac Sprue. *Chem Biol*. 2003 Mar;10(3):199-201.
124. Badenhop K, Dieterich W, Segni M, Hofmann S, Hufner M, Usadel KH, Hahn EG, Schuppan D. HLA DQ2 and/or DQ8 is associated with celiac disease-specific autoantibodies to tissue transglutaminase in families with thyroid autoimmunity. *Am J Gastroenterol*. 2001 May;96(5):1648-9.
125. Konturek PC, Karczewska E, Dieterich W, Hahn EG, Schuppan D. Increased prevalence of *Helicobacter pylori* infection in patients with celiac disease. *Am J Gastroenterol*. 2000 Dec;95(12):3682-3.
126. Kordonouri O, Dieterich W, Schuppan D, Webert G, Müller C, Sarioglu N, Becker M, Danne T. Autoantibodies to tissue transglutaminase are sensitive serological parameters for detecting silent coeliac disease in patients with Type 1 diabetes mellitus. *Diabet Med*. 2000 Jun;17(6):441-4.
127. Dieterich W, Storch WB, Schuppan D. Serum antibodies in celiac disease. *Clin Lab*. 2000;46(7-8):361-4.
128. Dieterich W, Riecken EO, Schuppan D. Immunoassay for detection of IgA antitissue transglutaminase in patients with celiac disease. *Methods Mol Med*. 2000;41:241-5.
129. Rose C, Dieterich W, Bröcker EB, Schuppan D, Zillikens D. Circulating autoantibodies to tissue transglutaminase differentiate patients with dermatitis herpetiformis from those with linear IgA disease. *J Am Acad Dermatol*. 1999 Dec;41(6):957-61.
130. Dieterich W, Laag E, Bruckner-Tuderman L, Reunala T, Kárpáti S, Zágoni T, Riecken EO, Schuppan D. Antibodies to tissue transglutaminase as serologic markers in patients with dermatitis herpetiformis. *J Invest Dermatol*. 1999 Jul;113(1):133-6.
131. Schuppan D, Dieterich W, Ehnis T, Bauer M, Donner P, Volta U, Riecken EO. Identification of the autoantigen of celiac disease. *Ann N Y Acad Sci*. 1998 Nov 17;859:121-6.
132. Riecken EO, Daum S, Schulzke JD, Dieterich W, Schuppan D. [Tissue transglutaminase as autoantigen in endemic sprue. New aspects in diagnosis and etiopathogenesis]. *Dtsch Med Wochenschr*. 1998 Nov 27;123(48):1454-60.
133. Dieterich W, Laag E, Schöpfer H, Volta U, Ferguson A, Gillett H, Riecken EO, Schuppan D. Autoantibodies to tissue transglutaminase as predictors of celiac disease. *Gastroenterology*. 1998 Dec;115(6):1317-21.
134. Schuppan D, Dieterich W, Riecken EO. Exposing gliadin as a tasty food for lymphocytes. *Nat Med*. 1998 Jun;4(6):666-7.