

# Paper von Mitgliedern der AG Sex, Gender & Diversity in Medical Research

Stand: 28.02.2025

## Original Papers

### 2025 |

**Linde P, Hallal H**, Charkina P, Adams A, Frank J, Wegen S, Fan J, Nadjiri L, **Zims H**, Stosch C, Baues C. Diversity competence in medical education: short-term effectiveness of an interprofessional diversity-specific undergraduate learning. *BMC Medical Education*, 2025;25(1):226; DOI: 10.1186/s12909-025-06824-5. [\[PubMed\]](#)

### 2024 |

**Haarmann L**, Lieker E, Folkerts AK, Eichert K, Neidlinger M, Monsef I, ... **Kalbe E**. Higher risk of many physical health conditions in sexual minority men: Comprehensive systematic review and meta-analysis in gay- and bisexual-identified compared with heterosexual-identified men. *LGBT Health*, 2024;11(2):81–102; DOI: 10.1089/lgbt.2023.0084. [\[PubMed\]](#)

Sigrist C, Ottaviani C, Baumeister-Lingens L, Bussone S, Pesca C, Kaess M, Carola V, **Koenig J**. A sex-specific pathway linking early life maltreatment, vagal activity and depressive symptoms. *European Journal of Psychotraumatology*, 2024;15(1):2325247, 5.00 Impact Factor; DOI: 10.1080/20008066.2024.2325247. [\[PubMed\]](#)

### 2023 |

Watanabe DK, Lai J, Park G, **Koenig J**, Wiley CR, Thayer JF, Williams DWP. Resting Heart Rate Variability and Emotion Regulation Difficulties: Comparing Asian Americans and European Americans. *International Journal of Psychophysiology*, 2023; 194: 112258, 3.00 Impact Factor; DOI: 10.1016/j.ijpsycho.2023.112258 [\[PubMed\]](#)

Kriegmair V, Sigrist C, Vöckel J, Kaess M, **Koenig J**. Red Cell Distribution Width and Depressive Symptoms: A Failed Replication in Female Adolescents. *The World Journal of Biological Psychiatry*, 2023; 24(8): 754-759, 3.418 Impact Factor; DOI: 10.1080/15622975.2023.2203222 [\[PubMed\]](#)

Min J, **Koenig J**, Nashiro K, Joo Yoo H, Cho C, Thayer JF, Mather M. Sex Differences in Neural Correlates of Emotion Regulation in Relation to Resting Heart Rate Variability. *Brain Topography*, 2023 36(5):698-709, 4.275 Impact Factor; DOI: 10.1007/s10548-023-00974-9 [\[PubMed\]](#)

Müller P, Velazquez Camacho O, Yazbeck AM, Wölwer C, Zhai W, Schumacher J, Heider D, Buettner R, **Quaas A, Hillmer AM**. Why loss of Y? A pan-cancer genome analysis of tumors with loss of Y chromosome. *Computational and Structural Biotechnology Journal*, 2023;21:1573–1583; DOI: 10.1016/j.csbj.2023.02.024. [\[PubMed\]](#)

Fleck L, Fuchs A, Sele S, Moehler E, **Koenig J**, Resch F, Kaess M. Prenatal Stress and Child Externalizing behavior: Effects of Maternal Perceived Stress and Cortisol are Moderated by Child Sex. *Child and Adolescent Psychiatry and Mental Health*, 2023 17(1):94, 7.494 Impact Factor [\[PubMed\]](#)

Van der Venne P, Mürner-Lavanchy I, Höper S, **Koenig J**, Kaess M. Physiological Response to Pain in Female Adolescents with Nonsuicidal Self-Injury as a Function of Severity. *Journal of Affective Disorders*, 2023: 339:64-73; 6.533 Impact Factor; DOI: 10.1016/j.jad.2023.06.041; [\[PubMed\]](#)

### 2022 |

Jost ST, Strobel L, Rizos A, Loehrer PA, Ashkan K, Evans J, Rosenkranz F, Barbe MT, Fink GR, Franklin J, Sauerbier A, Nimsky C, Sattari A, Ray Chaudhuri K, Antonini A, Timmermann L, Martinez-Martin P, Silverdale M, **Kalbe E**, Visser-Vandewalle V, ... EUROPAR and the International Parkinson and Movement Disorders Society Non-Motor Parkinson's Disease Study Group. Gender gap in deep brain stimulation for Parkinson's disease. *NPJ Parkinson's Disease*, 2022;8(1):47; DOI: 10.1038/s41531-022-00305-y. [\[PubMed\]](#)

Kindler J, **Koenig J**, Lerch S, van der Venne P, Resch F, Kaess M. Increased immunological markers in female adolescents with non-suicidal self-injury. *Journal of Affective Disorders*, 2022; ;318:191-195, 6.533 Impact Factor; DOI: 10.1016/j.jad.2022.08.125 [\[PubMed\]](#)

Kwon ES, Kittaneh AA, Gerardo G, **Koenig J**, Thayer JF, Williams DP. Resting Heart Rate Variability, Perceived Emotion Regulation, and Low-Risk Drug Use in College-Aged Adults: Gender as a Moderator. *Frontiers in Psychiatry - Psychological Therapy and Psychosomatics*, 2022: 13:885217, 5.435 Impact Factor; DOI: /10.3389/fpsy.2022.885217 [\[PubMed\]](#)

Kvadsheim E, Sørensen L, Fasmer OB, Osnes B, Haavik J, Williams DP, Thayer JF, **Koenig J**. Vagally mediated heart rate variability, stress, and perceived social support: a focus on sex differences. *Stress*, 2022; 25(1): 113-121, 3.340 Impact Factor; DOI: 10.1080/10253890.2022.2043271 [\[PubMed\]](#)

Williams DP, Joseph N, Gerardo GM, Hill LK, **Koenig J**, Thayer JF. Gender Differences in Cardiac Chronotropic Control: Implications for Heart Rate Variability Research. *Applied Psychophysiology and Biofeedback*, 2022; 47(1):65-75, 3.000 Impact Factor; DOI: 10.1007/s10484-021-09528-w. [\[PubMed\]](#)

---

Cavelti M, Rinnewitz L, Walter M, Van der Venne P, Parzer P, Josi J, Bertsch K, Brunner R, Resch F, **Koenig J**, Kaess M. Psychobiological Correlates of Aggression in Female Adolescents with Borderline Personality Disorder. *Psychopathology*, 2022;55(1):37-48, 3.849 Impact Factor; DOI: 10.1159/000520228 [\[Publisher\]](#)

---

## 2021 |

Fleck L, Fuchs A, Moehler E, Parzer P, **Koenig J**, Resch F, Kaess M. Maternal Bonding Impairment Predicts Personality Disorder Features in Adolescence: The Moderating Role of Child Temperament and Sex. *Personality Disorders: Theory, Research, and Treatment*, 2021; 12(5): 475-783, 3.421 Impact Factor, DOI: 10.1037/per0000433. [\[PubMed\]](#)

Flach E, **Koenig J**, van der Venner, P, Parzer P, Resch F, Kaess M. Hypothalamic-Pituitary-Thyroid Axis Function in Female Adolescent Nonsuicidal Self-Injury, and its Association with Comorbid Borderline Personality Disorder and Depression. *Progress in Neuro-Psychopharmacology & Biological Psychiatry*, 2021; 111: 110345, DOI: 10.1016/j.pnpbp.2021.110345. 4.361 Impact Factor [\[PubMed\]](#)

**Koenig J**, Klier J, Parzer P, Santangelo P, Resch F, Ebner-Priemer U, Kaess M. High-Frequency Ecological Momentary Assessment of Emotional and Interpersonal States Preceding and Following Self-Injury in Female Adolescents. *European Child and Adolescent Psychiatry*, 2021; 30(8): 1299-1308; DOI: 10.1007/s00787-020-01626-0; 3.941 Impact Factor [\[PubMed\]](#)

**Quaas A**, Pamuk A, Klein S, Quantius J, Rehkaemper J, Barutcu AG, Rueschoff J, Zander T, Gebauer F, **Hillmer AM**, Buettner R, Schroeder W, Bruns CJ, Löser H, Schoemig-Markiefka B, Alakus H. Sex-specific prognostic effect of CD66b-positive tumor-infiltrating neutrophils (TANs) in gastric and esophageal adenocarcinoma. *Gastric Cancer*, 2021; 24(6):1213–1226; DOI: 10.1007/s10120-021-01197-2. [\[PubMed\]](#)

Spangler DP, Dunn EJ, Aldao A, Feeling NR, Free ML, Gillie BL, Vasey MW, Williams DPW, **Koenig J**, Thayer JF. Gender Matters: Nonlinear Relationships Between Heart Rate Variability and Depression and Positive Affect. *Frontiers in Neuroscience – Autonomic Neuroscience*, 2021, DOI: doi.org/10.3389/fnins.2021.612566. 3.707 Impact Factor [\[Publisher\]](#)

Christian LM, **Koenig J**, Williams DP, Kapuku G, Thayer JF. Impaired Vasodilation in Pregnant African Americans: Potential Antecedents and Consequence. *Psychophysiology* 2021, 58(1):e13699; DOI: 10.1111/psyp.13699; 3.378 Impact Factor [\[PubMed\]](#)

---

## 2020 |

Loeser H, Wölwer CB, Alakus H, Chon SH, Zander T, Buettner R, **Hillmer AM**, Bruns CJ, Schroeder W, Gebauer F, **Quaas A**. Y Chromosome Loss is a Frequent Event in Barrett's Adenocarcinoma and Associated with Poor Outcome. *Cancers*, 2020; 12(7):1743; DOI: 10.3390/cancers12071743. [\[PubMed\]](#)

---

## 2019 |

Thayer JF, **Koenig J**. Resting Cerebral Blood Flow and Ethnic Differences in Heart Rate Variability: Links to Self-Reports of Affect and Affect Regulation. *NeuroImage* 2019, 202:116154; DOI: 10.1016/j.neuroimage.2019.116154; 5.812 Impact Factor [\[PubMed\]](#)

Williams DP, Pandya KD, Hill LBK, Kemp AH, Way BM, Thayer JF, **Koenig J**. Rumination Moderates the Association Between Resting High-Frequency Heart Rate Variability and Perceived Ethnic Discrimination. *Journal of Psychophysiology* 2019; 33(1):13-21; DOI: 10.1027/0269-8803/a000201; 1.167 Impact Factor [\[Publisher\]](#)

Williams DP, Joseph N, Hill LBK, Sollers JJ III, Vasey MM, Way BM, **Koenig J**, Thayer JF. Stereotype Threat, Trait Perseveration, and Vagal Activity: Evidence for Mechanisms Underpinning Health Disparities in Black Americans, *Ethnicity & Health* 2019; 24(8):909-926; DOI: 10.1080/13557858.2017.1378803; 2.055 Impact Factor [\[PubMed\]](#)

Williams DP, Tracy LM, Gerado GM, Rahman T, Spangler DP, **Koenig J**, Thayer JF. Sex Moderates the Relationship between Resting Heart Rate Variability and Self-Reported Difficulties in Emotion Regulation. *Emotion* 2019; 19(6):992-1001, DOI: 10.1037/emo0000500; 3.251 Impact Factor [\[PubMed\]](#)

Rinnewitz L, Parzer P, **Koenig J**, Bertsch K, Brunner R, Resch F, Kaess M. A Biobehavioral Validation of the Tylor Aggression Paradigm in Female Adolescents. *Scientific Reports* 2019; 9(1):7036 (2019), DOI: 10.1038/s41598-019-43456-4, 4.122 Impact Factor [\[PubMed\]](#)

---

## 2018 |

**Koenig J**, Brunner R, Parzer P, Resch F, Kaess M. The Physiological Orienting Response in Female Adolescents with Borderline Personality Disorder. *Progress in Neuropsychopharmacology & Biological Psychiatry* 2018; 86: 287-293; DOI: 10.1016/j.pnpbp.2018.04.012; 4.187 Impact Factor [\[PubMed\]](#)

Jarczok MN, **Koenig J**, Shively CA, Thayer JF. Behavioral Depression is associated to increased vagally mediated HRV measures in adult female cynomolgus monkeys (*Macaca fascicularis*). *International Journal of Psychophysiology* 2018; 131: 139-143, DOI: 10.1016/j.ijpsycho.2017.11.004; 2.582 Impact Factor [\[PubMed\]](#)

Jarczok M, Aguilar-Raab C, **Koenig J**, Kaess M, Borninger JC, Nelson RJ, Hall M, Ditzen B, Thayer JF, Fischer JE. The Heart's Rhythm 'n' Blues: Sex Differences in Circadian Variation Patterns of Vagal Activity vary by Depressive Symptoms in Predominantly Healthy Employees. *Chronobiology International* 2018; 35(7): 896-909; DOI: 10.1080/07420528.2018.1439499; 3.343 Impact Factor [\[PubMed\]](#)

---

---

Tracy LM, **Koenig J**, Georgiou-Karistianis N, Gibson SJ, Giummarra MJ. Heart rate variability is associated with thermal heat pain threshold in males, but not females. *International Journal of Psychophysiology* 2018, 131:37-43; DOI: 10.1016/j.ijpsycho.2018.02.017; 2.582 Impact Factor [\[PubMed\]](#)

---

**Koenig J**, Parzer P, Reichl C, Ando A, Thayer JF, Brunner R, Kaess M. Cortical Thickness, Resting State Heart Rate and Heart Rate Variability in Female Adolescents. *Psychophysiology* 2018; 55(5):e13043, DOI: 10.1111/psyp.13043; 3.07 Impact Factor [\[PubMed\]](#)

---

Guétin S, Brun L, Mériadec C, Camus E, Deniaud M, Thayer JF, **Koenig J**, Williams DP. A Smartphone-Based Music Intervention to Reduce Pain and Anxiety in Women before or during Labor. *European Journal of Integrative Medicine* 2018; 21: 24-26; DOI: doi.org/10.1016/j.eujim.2018.06.001; 0.769 Impact Factor [\[ScienceDirect\]](#)

---

## 2017 |

**Koenig J**, Rinnewitz L, Warth M, Hillecke TK, Brunner R, Resch F, Kaess M. Psychobiological Response to Pain in Female Adolescents with Non-Suicidal Self-Injury. *Journal of Psychiatry and Neuroscience* 2017; 42(1):160074; DOI: 10.1503/jpn.160074; 5.86 Impact Factor [\[PubMed\]](#)

---

## 2016 |

Kaess M, Parzer P, **Koenig J**, Resch F, Brunner R. Dual-Task Performance under Acute Stress in Female Adolescents with Borderline Personality Disorder. *European Child & Adolescent Psychiatry* 2016; 25:1027–1035; DOI: 10.1007/s00787-016-0824-7; 3.34 Impact Factor [\[PubMed\]](#)

---

Kemp AH, **Koenig J**, Thayer JF, Bittencourt MS, Pereira AC, Santos IS, Dantas EM, Mill JG, Chor D, Ribeiro ALP, Benseñor IM, Lotufo PA. Race and Resting State Heart Rate Variability in Brazilian Civil Servants and the Mediating Effects of Discrimination: An ELSA-Brasil Cohort Study. *Psychosomatic Medicine* 2016; 78(8): 950-958; DOI: 10.1097/PSY.0000000000000359; 3.47 Impact Factor [\[PubMed\]](#)

---

Guétin S, Brun L, Deniaud M, Clerc JM, Thayer JF, **Koenig J**. Smartphone-Based Music Listening to Reduce Pain and Anxiety before Coronarography: A Focus on Sex Differences. *Alternative Therapies in Health and Medicine* 2016; 22(4):60-3. DOI: 10.1007/s11274-015-1903-5; 1.14 Impact Factor [\[PubMed\]](#)

---

Thayer JF, Sollers JJ, Friedman BH, **Koenig J**. Gender Differences in the Relationship Between Resting Heart Rate Variability and 24-hour Blood Pressure Variability. *Blood Pressure* 2016; 25(1):58-62; DOI: 10.3109/08037051.2016.1090721; 1.61 Impact Factor [\[PubMed\]](#)

---

## 2015 |

**Fischer J**, Jung N, Robinson N, **Lehmann C**. Sex differences in immune responses to infectious diseases. *Infection* 2015; 43(4):399–403; DOI: 10.1007/s15010-015-0791-9. [\[PubMed\]](#)

---

Williams DP, Chelimsky G, McCabe NP, **Koenig J**, Singh P, Janata J, Thayer JF, Buffington CAT, Chelimsky T. Effects of Chronic Pelvic Pain on Heart Rate Variability in Women. *The Journal of Urology* 2015; 194(5):1289-94.; DOI: 10.1016/j.juro.2015.04.101; 3.75 Impact Factor [\[PubMed\]](#)

---

## 2014 |

**Koenig J**, Jarczok MN, Warth M, Hillecke TK, Thayer JF. The Quick Inventory of Pain Symptoms (QIPS): A First Evaluation on Concurrent Validity and Sex Differences. *SAGE Open* 2014; DOI: 10.1177/2158244014556626; 0.00 Impact Factor [\[Publisher\]](#)

---

## Reviews

### 2023 |

**Haarmann L**, Folkerts AK, Lieker E, Eichert K, Neidlinger M, Monsef I, ... **Kalbe E**. Comprehensive systematic review and meta-analysis on physical health conditions in lesbian- and bisexual-identified women compared with heterosexual-identified women. *Women's Health*, 2023;19:1–27; DOI: 10.1177/17455057231219610. [\[PubMed\]](#)

### 2020 |

Brownlow BN, Williams DP, Kapuku G, Vasey MW, Anderson NB, **Koenig J**, Thayer JF, Hill LBK. Ethnic Differences in Resting Total Peripheral Resistance: A Systematic Review and Meta-Analysis. *Psychosomatic Medicine* 2020; 82(6):548-506; DOI: 10.1097/PSY.0000000000000820; 3.937 Impact Factor [\[PubMed\]](#)

### 2017 |

**Koenig J**, Rash JA, Campbell TS, Thayer JF, Kaess M. A Meta-Analysis on Sex Differences in Resting-State Vagal Activity in Children and Adolescents. *Frontiers in Physiology - Clinical and Translational Physiology* 2017; 8: 582; DOI: 10.3389/fphys.2017.00582; 4.134 Impact Factor [\[PubMed\]](#)

### 2016 |

**Koenig J**, Thayer JF. Sex Differences in Healthy Human Heart Rate Variability: A Meta-Analysis. *Neuroscience & Biobehavioral Reviews* 2016; 64: 288-310; DOI: 10.1016/j.neubiorev.2016.03.007; 8.80 Impact Factor [\[PubMed\]](#)

### 2015 |

Hill LK, Hu DD, **Koenig J\***, Sollers JJ III, Kapuku G, Wang X, Snieder H, Thayer JF. Ethnic Differences in Resting Heart Rate Variability: A Systematic Review and Meta-Analysis. *Psychosomatic Medicine* 2015; 77(1):16-25. DOI: 10.1097/PSY.0000000000000133; 4.08 Impact Factor [\[PubMed\]](#)