

Publications

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PEER-REVIEWED PUBLICATIONS

* equal contribution / shared authorship

- 2024 **Kämmer, J. E.**, Ernst, K., Grab, K., Schaubert S. K., Hautz, S. C., Penders, D., & Hautz, W. E. (2024). Collaboration during the diagnostic decision making process: When does it help? *Journal of Behavioral Decision Making*, *37*, e2357. <https://doi.org/10.1002/bdm.2357>
- 2023 Appelhaus, S., Werner, S., Grosse, P., & **Kämmer, J. E.** (2022). Feedback, fairness, and feasibility: Effects of disclosing and reusing multiple-choice questions in medical school exams. *Medical Education Online*, *28*(1), 2143298. <https://doi.org/10.1080/10872981.2022.2143298>
- Kämmer, J. E.***, Choshen-Hillel, S.* , Müller-Trede, J.* , Black, S., & Weibler, J. (2023). A systematic review of advice-based decisions in behavioral and organizational research. *Decision*, *10*(2), 107–137. <https://doi.org/10.1037/dec0000199>
- Kämmer, J. E.***, Choshen-Hillel, S.* , Müller-Trede, J.* , Black, S., & Weibler, J. (2023). The methodology and theory of future research on advice-based decisions. *Decision*, *10*(2), 150–152. <https://doi.org/10.1037/dec0000205>
- Kämmer, J. E.***, Ehrhard, S.* , Kunina-Habenicht, O., Weber, S., Hautz, S. C., Birrenbach, T., Sauter, T. C., & Hautz, W. E. (2023). What factors affect team members' evaluations of collaboration in medical teams? *Frontiers in Psychology*, *13*, 1031902. <https://doi.org/10.3389/fpsyg.2022.1031902>
- Seelandt, J. C., Boos, M., Kolbe, M., & **Kämmer, J. E.** (2023). How to enrich team research in healthcare by considering five theoretical perspectives. *Frontiers in Psychology*, *14*, 1232331. <https://doi.org/10.3389/fpsyg.2023.1232331>
- Wespi, R., Birrenbach, T., Schaubert, S. K., Manser, T., Sauter, T. C.* , & **Kämmer, J. E.*** (2023). Exploring objective measures for assessing team performance in healthcare: An interview study. *Frontiers in Psychology*, *14*, 1232628. <https://doi.org/10.3389/fpsyg.2023.1232628>
- 2022 Birrenbach, T., Hoffmann, M., Hautz, S. C., **Kämmer, J. E.**, Exadaktylos, A. K., Sauter, T. C., Müller, M., & Hautz, W. E. (2022). Frequency and predictors of unspecific medical diagnoses in the emergency department: A prospective observational study. *BMC Emergency Medicine*, *22*(1), Article 109. <https://doi.org/10.1186/s12873-022-00665-x>
- Kämmer, J. E.** & Ewers, M. (2022). Stereotypes of experienced health professionals in an interprofessional context — Results from a semi-structured survey. *Journal of Interprofessional Care*, *36*(3), 350-361. <https://doi.org/10.1080/13561820.2021.1903405>

- Kämmer, J. E.**, & Hautz, W. E. Beyond competence: Towards a more holistic perspective in medical education. *Medical Education*, 56(1), 4-6.
<https://doi.org/10.1111/medu.14692>
- 2021 Freytag, J., Stroben, F., Hautz, W. E., Penders, D., & **Kämmer, J. E.** (2021). Einfluss eines Leitfadens auf Inhalt und Durchführbarkeit von CRM-Debriefings nach simulierten Notfällen [Effect of using a cognitive aid on content and feasibility of debriefings of simulated emergencies]. *GMS Journal for Medical Education*, 38(5), Doc95. <https://doi.org/10.3205/zma001491>
- Jürgens, J., März, M., **Kämmer, J. E.**, Quandt, C., Johanning, K., Hahnenkamp, K., & Koppert, W. (2021). Der Progresstest zur Evaluierung der Weiterbildung im Fach Anästhesiologie [A progress test to evaluate the professional training in anaesthesiology]. *Anästhesiologie und Intensivmedizin*, 62, 278-292.
<https://doi.org/10.19224/ai2021.278>
- Kämmer, J. E.**, Schaubert, S. K., Hautz, S. C., Stroben, F., & Hautz, W. E. (2021). Differential diagnosis checklists reduce diagnostic error differentially: a randomized experiment. *Medical Education*, 55, 1172-1182.
<https://doi.org/10.1111/medu.14596>
- Schauber, S. K., Hautz, S. C., **Kämmer, J. E.**, Stroben, F., & Hautz, W. E. (2021). Do different response formats affect how test takers approach a clinical reasoning task? An experimental study on antecedents of diagnostic accuracy using a constructed response and a selected response format. *Advances in Health Sciences Education*. <https://doi.org/10.1007/s10459-021-10052-z>
- 2020 Hautz, S., Oberholzer, D., Freytag, J., Exadaktylos, A., **Kämmer, J. E.**, Sauter, T. C., & Hautz, W. E. (2020). An observational study of self-monitoring in ad hoc health care teams. *BMC Medical Education*, 20, 201.
<https://doi.org/10.1186/s12909-020-02115-3>
- Hautz, W. E., Hautz, S. C., & **Kämmer, J. E.** (2020). Whether two heads are better than one is the wrong question (though sometimes they are). *Advances in Health Sciences Education*, 25, 905-911. <https://doi.org/10.1007/s10459-020-09956-z>
- Hautz, W. E. & **Kämmer, J. E.** (2020). A plea for contrastive instructions. *Medical Education*, 54(8), 682-684. <https://doi.org/10.1111/medu.14191>
- Hautz, W. E., Sauter, T. C., Hautz, S. C., **Kämmer, J. E.**, Schaubert, S. K., Birrenbach, T., Exadaktylos, A. K., Stock, S., & Müller, M. (2020). What determines diagnostic resource consumption in emergency medicine: patients, physicians or context? *Emergency Medicine Journal*, 37, 546-551.
<https://doi.org/10.1136/emered-2019-209022>
- Kämmer, J. E.**, Hautz, W. E., & März, M. (2020). Self-monitoring accuracy does not increase throughout undergraduate medical education. *Medical Education*, 54(4), 320-327. <https://doi.org/10.1111/medu.14057>
- Krockow, E. M., Kurvers, R. H. J. M., Herzog, S. M., **Kämmer, J. E.**, Hamilton, R. A., Thilly, N., Macheda, G., & Pulcini, C. (2020). Harnessing the wisdom of crowds can improve guideline compliance of antibiotic prescribers and support antimicrobial stewardship. *Scientific Reports*, 10(1):18782.
<https://doi.org/10.1038/s41598-020-75063-z>
- Schüttelpelz-Brauns, K., Hecht, M., Hardt, K., Karay, Y., Zupanic, M., & **Kämmer, J. E.** (2020). Institutional strategies related to test-taking behavior in low stakes assessment. *Advances in Health Sciences Education*, 25, 321-335.
<https://doi.org/10.1007/s10459-019-09928-y>

- 2019 Freytag, J., Stroben, F., Hautz, W. E., Schaubert, S. K., & **Kämmer, J. E.** (2019). Rating the quality of teamwork—a comparison of novice and expert ratings using the Team Emergency Assessment Measure (TEAM) in simulated emergencies. *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 27, 12. <https://doi.org/10.1186/s13049-019-0591-9>
- Hautz, W. E., **Kämmer, J. E.**, Hautz, S. C., Sauter, T. C., Zwaan, L., Exadaktylos, A. K., Birrenbach, T., Maier, V. Müller, M., & Schaubert, S. (2019). Diagnostic error increases mortality and length of hospital stay in patients presenting through the emergency room. *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 27, 54. <https://doi.org/10.1186/s13049-019-0629-z>
- Hautz, W. E., Schubert, S., Schaubert, S. K., Kunina-Habenicht, O., Hautz, S. C., **Kämmer, J. E.**, & Eva, K. W. (2019). Accuracy of self-monitoring: Does experience, ability, or case difficulty matter? *Medical Education*, 53, 735-744. <https://doi.org/10.1111/medu.13801>
- 2018 Sauter, T. C., Capaldo, G., Hoffmann, M., Birrenbach, T., Hautz, S. C., **Kämmer, J. E.**, Exadaktylos, A. K., & Hautz, W. E. (2018). Non-specific complaints at emergency department presentation result in unclear diagnoses and lengthened hospitalization: a prospective observational study. *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 26, 60. <https://doi.org/10.1186/s13049-018-0526-x>
- Schüttpelz-Brauns, K., Kadmon, M., Kiessling, C., Karay, Y., Gestmann, M., & **Kämmer, J. E.** (2018). Identifying low test-taking effort during low-stakes tests with the new Test-taking Effort Short Scale (TESS) – development and psychometrics. *BMC Medical Education*, 18, 101. <https://doi.org/10.1186/s12909-018-1196-0>
- 2017 Analytis, P. P., Delfino, A., **Kämmer, J. E.**, Moussaïd, M., & Joachims, T. (2017). Ranking with social cues: Integrating online review scores and popularity information. *arXiv*. arXiv:1704.01213.
- Freytag, J., Stroben, F., Hautz, W. E., Eisenmann, D., & **Kämmer, J. E.** (2017). Improving patient safety through better teamwork: How effective are different methods of simulation debriefing? Protocol for a pragmatic, prospective and randomised study. *BMJ Open*, 7, e015977. <https://doi.org/10.1136/bmjopen-2017-015977>
- Kämmer, J. E.**, Hautz, W. E., Herzog, S. M., Kunina-Habenicht, O., & Kurvers, R. H. J. M. (2017). The potential of collective intelligence in emergency medicine: Pooling medical students' independent decisions improves diagnostic performance. *Medical Decision Making*, 37, 715-724. <https://doi.org/10.1177/0272989X17696998>
- Moser, K. S. & **Kämmer, J. E.** (2017). Collaboration time influences information-sharing at work. *Team Performance Management: An International Journal*, 24, 2-16. <https://doi.org/10.1108/TPM-10-2016-0043>
- Moussaïd, M., Herzog, S. M., **Kämmer, J. E.**, & Hertwig, R. (2017). Reach and speed of judgment propagation in the laboratory. *Proceedings of the National Academy of Sciences of the United States of America*, 114, 4117-4122. <https://doi.org/10.1073/pnas.1611998114>
- 2016 Hautz, W. E., **Kämmer, J. E.**, Exadaktylos, A., & Hautz, S. C. (2016). How thinking about groups is different from groupthink. *Medical Education*, 51, 229. <https://doi.org/10.1111/medu.13137>
- Hautz, S. C., Schuler, L., **Kämmer, J. E.**, Schaubert, S. K., Ricklin, M. E., Sauter, T. C., Maier, V., Birrenbach, T., Exadaktylos, A., & Hautz, W. E. (2016). Factors

- predicting a change in diagnosis in patients hospitalised through the emergency room: A prospective observational study. *BMJ Open*, 6, e011585. <https://doi.org/10.1136/bmjopen-2016-011585>
- McMahon, K., Ruggeri, A., **Kämmer, J. E.**, Katsikopoulos, K. V. (2016). Beyond idea generation: The power of groups in developing ideas. *Creativity Research Journal*, 28, 247-257. <https://doi.org/10.1080/10400419.2016.1195637>
- 2015 Hautz, W. E. *, **Kämmer, J. E. ***, Schaubert, S. K., Spies, C. D., & Gaissmaier, W. (2015). Diagnostic performance by medical students working individually or in teams. *JAMA*, 313, 303–304. <https://doi.org/10.1001/jama.2014.15770>
- 2014 Analytis, P. P., Moussaïd, M., Artinger, F., **Kämmer, J. E.**, & Gigerenzer, G. (2014). “Big data” needs an analysis of decision processes. *Behavioral and Brain Sciences*, 37, 76–78. <https://doi.org/10.1017/S0140525X13001659>
- Kämmer, J. E.**, Gaissmaier, W., Reimer, T., & Schermuly, C.C. (2014). The adaptive use of recognition in group decision making. *Cognitive Science*, 38, 911–942. <https://doi.org/10.1111/cogs.12110>
- 2013 **Kämmer, J. E.**, Gaissmaier, W., & Czienskowski, U. (2013). The environment matters: Comparing individuals and dyads in their adaptive use of decision strategies. *Judgment and Decision Making*, 8, 299–329.
- Moussaïd, M., **Kämmer, J. E.**, Analytis, P. P., & Neth, H. (2013). Social influence and the collective dynamics of opinion formation. *PLoS One* 8(11), e78433. <https://doi.org/10.1371/journal.pone.0078433>

MONOGRAPHS

- 2013 **Kämmer, J. E.** (2013). How people make adaptive decisions with (the help of) others: Studies from an ecological rationality perspective. *Doctoral dissertation, Humboldt University Berlin, Germany.*
- 2009 **Kämmer, J. E.** (2009). Recognition in economic group decisions—is it special? *Unpublished diploma thesis, Humboldt University Berlin, Germany.*

INVITED TALKS

- 2023 **Kämmer, J. E.** (2023). Am I right when I am sure? The relationship between diagnostic accuracy and (un)certainty. *SNSF Scientific Exchanges on Diagnostic Error and Linguistics*, University of Bern, Bern, Switzerland.
- Kämmer, J. E.** & Sauter, T. C. (2023). Immersive learning: Exploring extended reality in acute care education and research. Invited keynote, 17th BSAS conference (*Behavioural Science Applied to Surgery*), FHNW, Olten, Switzerland.
- 2022 **Kämmer, J. E.** (2022). Better decisions in emergency. *Symposium “A decade of ARC: past, present and future,”* Center for Adaptive Rationality, Max Planck Institute for Human Development, Berlin, Germany.
- Kämmer, J. E.** (2022). Boosting decision making in the emergency room. *ABC workshop “Decision making under radical uncertainty,”* Max Planck Institute for Human Development, Berlin, Germany.
- 2021 **Kämmer, J. E.** (2021). Better decisions in emergency. *Colloquium of the Institute of Psychology*, University of Bern, Switzerland.
- 2018 **Kämmer, J. E.** & Hautz, W. E. (2018). Diagnostic error in emergency medicine. *2nd European Conference on Diagnostic Error in Medicine*, Bern, Switzerland.

- 2013 **Kämmer, J. E.** & Moser, K. S. (2013). Effects of time perspective on cooperation intentions in an information-sharing dilemma. *Conference on Cooperation: Why, How, and With Whom?*, Aarhus, Denmark.

SELECTED CONFERENCE PRESENTATIONS

- 2023 **Kämmer, J. E.**, Choshen-Hillel, S., Müller-Trede, J., Black, S. L., & Weibler, J. (2023). Behavioral and organizational research on advice-based decision making—A systematic review. *Paper presented at the 65th Conference of Experimental Psychologists (TeaP)*, Trier, Germany.
- Kämmer, J. E.**, Ernst, K., Grab, K., Schaubert, S. K., Hautz, S. C., Penders, D., & Hautz, W. E. (2023). Harnessing the power of teamwork for navigating uncertainty in the diagnostic process. *Paper presented at SIDM conference (Society to Improve Diagnosis in Medicine)*, Utrecht, Netherlands.
- Kämmer, J. E.** & Neher, A. (2023). Interprofessionelles Teamtraining in Virtual Reality (VR) – erste Erfahrungen und Evaluationsergebnisse [An interprofessional team training in virtual reality (VR) – first experiences and evaluation results]. *Paper presented at the Interdisciplinary Symposium on Simulation in Medicine (InSIM)*, Reutlingen, Germany.
- 2022 Wespi, R., **Kämmer, J. E.**, Birrenbach, T., Manser, T., Schaubert, S. K., & Sauter, T. C. (2022). A glimpse of future—exploring objective measures for evaluating medical teamwork in simulation trainings and research—an interview review. *Paper presented at the 16th International Workshop on Behavioural Science Applied to Surgery*, Copenhagen, Denmark.
- Kämmer, J. E.** & Wespi, R. (2022). VR goes wild! Chancen, Herausforderungen und Risiken von Teamtrainings in Virtual Reality [VR goes wild! Chances, challenges and risks of team training in Virtual Reality]. *Workshop held at the Interdisciplinary Symposium on Simulation in Medicine (InSIM)*, Reutlingen, Germany.
- Kämmer, J. E.**, Ernst, K., Grab, K., & Hautz, W. E. (2022). When to team up during the diagnostic decision-making process? *Paper presented at the 52nd Conference of the German Society for Psychology*, Hildesheim, Germany.
- Kämmer, J. E.**, Ernst, K., Grab, K., & Hautz, W. E. (2022). When to team up during the diagnostic decision-making process? *Paper presented at the 17th Annual INGroup Conference*, Hamburg, Germany.
- Kämmer, J. E.**, Ernst, K., Grab, K., & Hautz, W. E. (2022). Information interpretation and synthesis in complex decision-making. Locating performance benefits of small groups. *Paper presented at the 64th Conference of Experimental Psychologists (TeaP online)*, Köln, Germany.
- 2021 **Kämmer J. E.**, Schaubert, S. K., Hautz, S. C., Stroben, F., & Hautz, W. E. (2021). Can checklists enhance diagnostic reasoning and accuracy? *Paper presented at the 63th Conference of Experimental Psychologists (TeaP@Home)*, Ulm, Germany.
- 2019 **Kämmer J. E.**, Ewers M (2019): Auto- and heterostereotypes of experienced health professionals in an interprofessional context. *Paper presented at the International IPE Symposium “The next steps ...”*, Berlin, Germany.
- 2018 **Kämmer, J. E.**, Verba, M., Werner, S., & März, M. (2018). Wie entwickelt sich im Medizinstudium die Fähigkeit, das eigene Wissen adäquat einzuschätzen? [How does the self-monitoring ability of medical students develop during medical study?] *Paper presented at the GMA Jahrestagung 2018 (Annual Meeting of the Society for Medical Education)* in Vienna, Austria.

- 2017 Hautz, S. C., **Kämmer, J. E.**, Schaubert, S., & Hautz, W. E. (2017). Does group decision making in the workplace result in higher diagnostic accuracy and better learning? The group-DX-study. *Paper presented at the 5th International Conference for Research in Medical Education RIME*, Düsseldorf, Germany.
- Kämmer, J. E.**, Schaubert, S. K., Hautz, S. C., Stroben, F., & Hautz, W. E. (2017). Simple interventions can increase the diagnostic performance of young physicians. *Paper presented at the 59th Conference of Experimental Psychologists (TeaP)*, Dresden, Germany.
- 2016 **Kämmer, J. E.**, Kurvers, R. H. J. M., Herzog, S. M., & Hautz, W. E. (2016). Combining independent decisions increases diagnostic accuracy in the emergency room. *Paper presented at the 50th Conference of the German Society for Psychology*, Leipzig, Germany.
- Kämmer, J. E.**, Kurvers, R. H. J. M., Herzog, S. M., & Hautz, W. E. (2016). The wisdom of simulated crowds in emergency medicine. *Paper presented at the 58th Conference of Experimental Psychologists (TeaP)*, Heidelberg, Germany.
- 2014 **Kämmer, J. E.**, Pachur, T., & Gaissmaier, W. (2014). Shall we risk it? How group decision making impacts risky choice. *Paper presented at the 56th Conference of Experimental Psychologists (TeaP)*, Gießen, Germany.
- 2013 **Kämmer, J. E.**, Analytis, P. P., Moussaïd, M., & Neth, H. (2013). Navigating the social environment: An ecological rationality perspective on advice taking behavior. *Poster presented at The Annual Meeting of the Cognitive Science Society (CogSci) 2013*, Berlin, Germany.
- Kämmer, J. E.**, Analytis, P. P., Moussaïd, M., & Neth, H. (2013). Navigating the social environment: An ecological rationality perspective on advice taking behavior. *Paper presented at the 24th Subjective Probability, Utility, and Decision Making Conference (SPUDM 24)*, Barcelona, Spain.
- Bos, G., Fiebich, A., **Kämmer, J. E.**, & von Grundherr, M. (2013). Attributing intentions and its consequences on interaction. *Poster presented at the First and Second Generation Joint Meeting of European Platform for Life Sciences, Mind Sciences, and the Humanities*, Hanover, Germany.
- 2012 **Kämmer, J. E.**, Gaissmaier, W., Schermuly, C. C., & Reimer, T. (2012). The adaptive use of recognition in group decision making. *Poster presented at the Seventh Annual INGroup Conference*, Chicago, Illinois, U.S.A.
- 2011 **Kämmer, J. E.**, Gaissmaier, W., & Czienskowski, U. (2011). Adaptive decision making in groups and individuals. *Paper presented at the 23rd Subjective Probability, Utility, and Decision Making Biennial Conference (SPUDM 23)*, Kingston Upon Thames, UK.
- 2010 **Kämmer, J. E.**, Gaissmaier, W., Schermuly, C. C., & Reimer, T. (2010). Wie wählen Gruppen ihre Entscheidungsstrategie aus? [How do groups choose their decision strategies?] *Paper presented at the 52nd Conference of Experimental Psychologists (TeaP)*, Saarbrücken, Germany.