Isabel Molwitz

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Since 08/2018	Resident Diagnostic and Interventional Radiology and Nuclear Medicine, University Hospital Hamburg-Eppendorf (UKE), Germany
04/2011 – 07/2018	Medical studies Charité – University Medicine Berlin, Germany

Distinctions

2021 – 2022	"Researchers for Future Fellow" (FFZ) German Roentgen Society
11/2020	50.000€ Start-up grant for interdisciplinary projects in medical technology for junior scientists Hamburg Research Center for Medical Technology
11/2020	Egon Bücheler radiological thesis award Association of friends and supporters of the UKE

Professional Activities

Since 2020	Peer review activity European Radiology, Quantitative Imaging in Medicine and Surgery, PLoS One, Der Radiologe, Roefo
Since 11/2020	Co-Editor of the category "radClub" Der Radiologe
Since 06/2020	Chairwoman German Young Radiology Forum, co-opted into the board of the German Roentgen Society (DRG), the board of the DRG working group on health policy, member of the DRG board commission on Education (since 09/2019) German Roentgen Society
Since 08/2018	Board member German Young Radiology Forum German Roentgen Society
2017	Vice president for External Affairs German Medical Students' Association

Selected publications

Molwitz I, Ozga AK, Gerdes L, Ungerer A, Köhler D, Ristow I, Leiderer M, Adam G, Yamamura J. Prediction of abdominal CT body composition parameters by thoracic measurements as a new approach to detect sarcopenia in a COVID-19 cohort.
Sci Rep. 2022 Apr 19;12(1):6443. doi: 10.1038/s41598-022-10266-0.

Molwitz I, Campbell GM, Yamamura J, Knopp T, Toedter K, Fischer R, Wang ZJ, Busch A, Ozga AK, Zhang S, Lindner T, Sevecke F, Grosser M, Adam G, Szwargulski P. Fat quantification in dual-layer detector spectral CT: experimental development and first in-patient validation*.*
Invest Radiol. 2022 Feb 10. doi: 10.1097/RLI.0000000000000858. Epub ahead of print.

Kemper M, **Molwitz I,** Krause L, Reeh M, Burdelski C, Kluge S, Yamamura J, Izbicki JR, de Heer G. Are muscle parameters obtained by computed tomography associated with outcome after esophagectomy for cancer?
Clin Nutr. 2021 Jun;40(6):3729-3740. doi: 10.1016/j.clnu.2021.04.040.

Molwitz I, Yamamura J, Ozga AK, Wedekind I, Nguyen TA, Wolf L, Kamo M, Zhao J, Can E, Keller S. Gender trends in authorships and publication impact in Academic Radiology- a 10-year perspective.
Eur Radiol. 2021 Dec;31(12):8887-8896. doi: 10.1007/s00330-021-07928-4.

Molwitz I, Leiderer M, McDonough R, Fischer R, Ozga AK, Ozden C, Tahir E, Koehler D, Adam G, Yamamura J. Skeletal muscle fat quantification by dual-energy computed tomography in comparison with 3T MR imaging.
Eur Radiol. 2021 Oct;31(10):7529-7539. doi: 10.1007/s00330-021-07820-1.

Molwitz I, Othman A, Brendlin A, Afat S, Barkhausen J, Reinartz SD. Digitale Lehre mit, durch und nach COVID-19 [Digital teaching with, during and after COVID-19]. *Radiologe*. 2021 Jan;61(1):64-66. German. doi: 10.1007/s00117-020-00794-z.

Molwitz I, Ittrich H, Knopp T, Mummert T, Salamon J, Jung C, Adam G, Kaul MG. First magnetic particle imaging angiography in human-sized organs by employing a multi-modal ex vivo pig kidney perfusion system.
Physiol Meas. 2019 Oct 30;40(10):105002. doi: 10.1088/1361-6579/ab4436.

Molwitz I, Leiderer M, Özden C, Yamamura J. Dual-Energy Computed Tomography for Fat Quantification in the Liver and Bone Marrow: A Literature Review.
Rofo. 2020 Dec;192(12):1137-1153. doi: 10.1055/a-1212-6017.

Molwitz I, Yamamura J, Keller S (2021). Wissenschaftliche Repräsentanz von Frauen in der Medizin. Thun, Heinemann, Aulenkamp (Hrsg.) Frauen in der digitalen Zukunft der Medizin und Gesundheitswirtschaft. 487. Medhochzwei. ISBN 978-3-86216-805-7. (Scientific representation of women in medicine. Women in the digital future of medicine and the healthcare industry.)