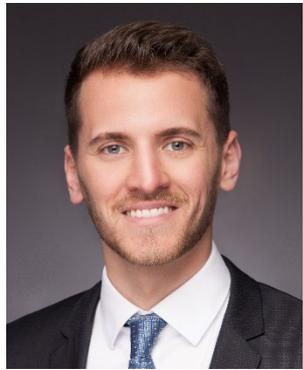


## CURRICULUM VITAE

Personal Information	
Title	Dr.
Name	Charlie Alexander Hamm
Degree	MD/ PhD
Country	Germany
Affiliation	Charité - Universitätsmedizin Berlin
Department	Dept. of Radiology
	
Educational Background	
2013-2019: MD (medical studies), Pomeranian Medical University, Szczecin, Poland (with distinction)	
2019-2021: PhD in Medical Sciences, Pomeranian Medical University, Szczecin, Poland	
2019-2023: Dr. med. (MD thesis), summa cum laude, Charité – Universitätsmedizin Berlin	
Professional Career	
2017-2018: Research Fellow, Department of Radiology and Biomedical Imaging, Yale University School of Medicine, New Haven, CT, USA	
2020-2021: Radiology Resident, University Medicine Greifswald	
2021-present: Radiology Resident, Department of Radiology, Charité – Universitätsmedizin Berlin	
2023-2024: Awardee of competitive Junior Digital Clinician Scientist Fellowship (funded stipend), Berlin Institute of Health (BIH) & Charité	
2025-present: Awardee of competitive Digital Clinician Scientist Fellowship (funded stipend), Berlin Institute of Health (BIH) & Charité	
Research Field	
Interventional Radiology, Urogenital Radiology (Prostate MRI), use of artificial intelligence in Medical Imaging and decision-making, Explainable AI	
Main Scientific Publications	
<p>1. Fischer M., Mayer A., Braun A., Kraft J., Hansen CM., Baumgärtner GL., Asbach P., Padhani AR., Penzkofer T., König F., Awasthi S., Makowski MR., Ripke S.*, <b>Hamm CA.*</b></p> <p><i>Polygenic risk scores for pre-MRI risk stratification in men with clinically suspected prostate cancer</i></p> <p><b>Journal of the National Cancer Institute (2026)</b>; *equal contributions, doi: 10.1093/jnci/djag027 – <i>Impact Factor: 7,2 (2024)</i></p>	
<p>2. Lindholz M., Bülow R., Schoots IG., Kölln M., Nolte S., Baumgärtner GL., Chenot JF., Schmidt CO., Burchardt M., Nauck M., Völzke H., Wielpütz MO., Penzkofer T., Hosten N., <b>Hamm CA.</b></p> <p><i>Association of Clinical and Liquid Biomarkers With 20-Year Prostate Cancer Risk in Men Aged 45–70</i></p> <p><b>JAMA Network Open (2026)</b>; doi:10.1001/jamanetworkopen.2025.56732 - <i>Impact Factor: 9,7 (2024)</i></p>	
<p>3. <b>Hamm CA.</b>, Asbach P., Pöhlmann A., Schoots IG., Kasivisvanathan V., Henkel TO., Johannsen M., Speck T., Baur ADJ., Haas M., Colletini F., Penzkofer T., Savic LJ., Konietschke F., Weißbach L., Hamm B., König F., Cash H.</p> <p><i>Oncological safety of MRI-informed biopsy decision making in men with suspected prostate cancer</i></p> <p><b>JAMA Oncology (2025)</b>; doi:10.1001/jamaoncol.2024.5497; PMID: 39666360 - <i>Impact Factor: 20,1 (2024)</i></p>	

4. **Hamm CA.**, Baumgärtner GL., Padhani AR., Froböse KP., Dräger F., Beetz NL., Savic LJ., Posch H., Lenk J., Schallenberg S., Maxeiner A., Cash H., Günzel K., Hamm B., Asbach P., Penzkofer T.

*Reduction of false positives using zone-specific prostate-specific antigen density for prostate MRI-based biopsy decision strategies*

**European Radiology (2024)**; doi: 10.1007/s00330-024-10700-z; PMID: 38538841 - *Impact Factor: 4,7 (2024)*

5. Guenzel K., Baumgaertner GL., Padhani AR., Luckau J., Lock UC., Ozimek T., Heinrich S., Schlegel J., Busch J., Magheli A., Struck J., Borgmann H., Penzkofer T., Hamm B., Hinz S.\*, **Hamm CA.\***

*Diagnostic Utility of Artificial Intelligence–assisted Transperineal Biopsy Planning in Prostate Cancer Suspected Men: A Prospective Cohort Study*

**European Urology Focus (2024)**; doi:10.1016/j.euf.2024.04.007; PMID: 38688825, \*equal contributions - *Impact Factor: 5,6 (2024)*

6. **Hamm CA.**, Baumgärtner GL., Biessmann F., Beetz NL., Hartenstein A., Savic LJ., Froböse K., Dräger F., Schallenberg S., Rudolph M., Baur ADJ., Hamm B., Haas M., Hofbauer S., Cash H., Penzkofer T.

*Interactive, Explainable Deep Learning Model Informs Prostate Cancer Diagnosis on MRI*

**Radiology (2023)**, 307:4; doi: 10.1148/radiol.222276; PMID: 37039688 - *Impact Factor: 12,1 (2023)*

7. **Hamm CA.\***, Busch F\*, Pöhlmann A., Shewarega A., He Y., Schmidt S., Xu H., Wieners G., Gebauer B., Savic LJ.

*Non-invasive imaging biomarkers to predict the hepatopulmonary shunt fraction before transarterial radioembolization in patients with hepatocellular carcinoma*

**Journal of Hepatocellular Carcinoma (2023)**; doi: 10.2147/JHC.S391537; PMID: 36660411, \*equal contributions - *Impact Factor: 4,2 (2023)*

8. **Hamm CA.**, Hampe O., Mews J., Günter C., Milke R., Witzmann F., Savic LJ., Hecht L., Meister S., Hamm B., Asbach P., Diekhoff T.

*Quantitative dual-energy CT as a nondestructive tool to identify indicators for fossilized bone in vertebrate paleontology*

**Scientific Reports (2022)**; doi: 10.1038/s41598-022-20707-5; PMID: 36180510 - *Impact Factor: 4,6 (2022)*

9. **Hamm CA.**, Hampe O., Schwarz D., Witzmann F., Makovicky PJ., Brochu CA., Reiter R., Asbach P.

*A comprehensive diagnostic approach combining phylogenetic disease bracketing and CT imaging reveals osteomyelitis in a *Tyrannosaurus rex*.*

**Scientific Reports (2020)**; doi: 10.1038/s41598-020-75731-0; PMID: 33144637 - *Impact Factor: 4,4 (2020)*

10. **Hamm CA.\***, Wang CJ.\*, Savic LJ., Ferrante M., Schobert I., Schlachter T., Lin M., Duncan JS., Weinreb JC., Chapiro J., Letzen B.

*Deep learning for liver tumor diagnosis part I: development of a convolutional neural network classifier for multi-phasic MRI.*

**European Radiology (2019)**; doi: 10.1007/s00330-019-06205-9; PMID: 31016442, \*equal contributions - *Impact Factor: 4,1 (2019)*