

**Prof. Dr. med. Andreas Christe**

Chief Physician of Radiology

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andreas.christe@insel.ch, www.insel.ch**Personal Information:**

Date of Birth: May 7, 1971
 Citizenship: Pleujouse (JU), Switzerland
 Marital Status: Married, 2 children
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 E-Mail: andreas.christe@insel.ch

Academic History:

01/2024-	Chief Physician (Chefarzt) and COO of Department of Diagnostic, Interventional and Pediatric Radiology, Hospital and University of Bern, Inselspital, Switzerland
11/2015-	Associate Professor, University of Bern, Switzerland
04/2015-12/2023	Chief Physician (Chefarzt) and managing Co-Director, Radiology, Division City and County Hospitals, INSEL GROUP , Bern, Switzerland
12/2014 - 03/2015	Chief Physician a.i. (Chefarzt a.i.), Radiology <i>Spital Netz Bern – Inselspital – Fusion (SMSB)</i> , Bern, Switzerland
04/2014 - 03/2015	Senior Consultant (Leitender Arzt), Department of Diagnostic, Interventional and Pediatric Radiology, Hospital and University of Bern, Inselspital, Switzerland
01/2014-	Board member Lung Cancer Center, Inselspital, University of Bern, Switzerland
01/2013 - 12/2014	Member of the extended chair, Institute of Diagnostic Radiology, University of Bern
06/2012 - 06/2013	Postgraduate course in hospital management, University of Bern, Switzerland
01/2012	Habilitation, University of Bern (Venia docendi in Radiology)
04/2010 - 12/2014	Chief of Body-CT, Department of Diagnostic, Interventional and Pediatric Radiology, Inselspital, University of Bern, Switzerland
12/2009	Huggenberger-Bischoff prize 2009 (Swiss Cancer Research Foundation)
10/2009 - 03/2010	Post-Doc Fellowship, Department of Radiology, Stanford University, Stanford, California, USA. "Gottfried und Julia Bangerter-Rhyner" Grant
04/2008 - 03/2009	Post-Doc Fellowship, Department of Radiology, Stanford University, Stanford, California, USA. Senior Investigator Grant SSMBS (Swiss National Science Foundation)
01/2006 -	Staff Member, Institute of Diagnostic Radiology, Inselspital, University of Bern, Switzerland
12/2005	Doctoral thesis presentation and awarding of doctorate medical degree, University of Bern
03/2005 - 03/2008	Radiology Staff Member, Institute of Forensic Medicine, University of Bern, Switzerland
02/2004	Board certification (FMH) in Radiology, Switzerland
01/2004 - 12/2005	Junior Staff Member, Institute of Diagnostic Radiology, Inselspital, University of Bern
08/2003	Board certification examination (FMH) in Radiology, Geneva Switzerland
04/2002 - 05/2002	Armed Forces Institute of Pathology (AFIP), Radiology Course participation (6 weeks), Walter Reed Army Medical Center, Washington DC, USA
11/1999 - 12/2003	Residency in Radiology, Inselspital, University of Bern, Switzerland
01/1999 - 10/1999	Resident in Pathology, Institute of Pathology, University of Bern (Head of students training)
01/1998 - 05/1998	Military Officer of Swiss Army Medical Corps, Moudon, Switzerland
12/1997	Federal medical examination, University Hospital Bern, Switzerland
11/1991 - 12/1997	Medical studies, University of Bern, Switzerland
1987 - 1990	College (Matura C), Interlaken, Switzerland
1978 - 1986	Primary, secondary school education Unterseen, Switzerland

Public and Professional Service:

2025	Clinical Investigator II Certificate: Advanced GCP and clinical research training
2025-	President of Swiss board certification examination in Radiology (first part, FMH I)
2024-	Swiss Society of Radiology Representative in the Senate of the Swiss Academy of Medical Sciences (SAMW)
2022/2025	Faculty member of IDKD Diagnostic Imaging Course, Davos, Switzerland
2021-2025	Executive Committee Member of ESTI (European Society of Thoracic Imaging)
2021-22	Abstract Reviewer Committee of ECR (European Congress of Radiology)
2019-	Co-Chair Swiss expert commission of clinical audits in radiology (Federal Office of Public Health)
2018-	Standing Abstract Reviewer Committee of the Swiss Congress of Radiology
2017-	Section chief Swiss board certification examination in Radiology (first part, FMH)
2017-2020	Member of Chest-Subcommittee, European Congress of Radiology, Vienne, Austria
2015	Chairman of High-Resolution-CT Masterclass, Bern
2015-	Expert of SAKK Working Group Imaging (Swiss Group for Clinical Cancer Research)
2015-	SGUM-Tutor (Swiss Society of Ultrasonography in Medicine)
2014 - 2015	Representative of non-professorial faculty, Chair of Department of Radiology, Neuroradiology and Nuclear medicine, Inselspital, Hospital and University of Bern, Switzerland
2014-	Expert at Swiss board certification examination (second part, FMH II) in Radiology
2014-	Founding Member of the Swiss Lung Cancer Screening Implementation Group CH-LSIG
05/2013	Member of the Scientific Committee, Annual Congress <i>ISFRI (International Society of Forensic Radiological Imaging)</i> , Zürich, Switzerland
2013-	Consultant of dissertation commission of Medical Faculty, University of Bern
2013-	Consultant of 3R Research Foundation Switzerland
2013-2020	Posterjury Swiss Congress of Radiology SGR
2012-2018	Editorial board member, <i>Journal of Forensic Radiology and Imaging</i>
2012-	Scientific board member of <i>Funginos</i> Switzerland
2012	Founding member of <i>ISFRI (International Society of Forensic Radiological Imaging)</i>
2012-	Academic coordinator of University lectures in Radiology, University of Bern
2011-2014	Vice representative of non-professorial faculty
2007-	Member of examination board of Swiss board certification examination (FMH) in Radiology
2005 - 2010	Professional expert for degree dissertation at Medical Technician School, University of Bern
2002 - 2004	Teacher of Anatomy at Medical Technician School, Inselspital, University of Bern
2000	Promotion to First Lieutenant of Swiss Army Medical Corps

Awards/Prizes:

2022	JVIR journal award: second most read article in <i>Journal of vascular and interventional radiology</i> (2022): Misura, Tihana; Drakopoulos, Dionysios; Mitrovic, Milena; Lönnfors, Tarja; Primetis, Elias; Hoppe, Hanno; Obmann, Verena C; Huber, Adrian T; Ebner, Lukas; Christe, Andreas (2022). Avoiding the Intercostal Arteries in Percutaneous Thoracic Interventions. <i>Journal of vascular and interventional radiology</i> , 33(4), 416-419.e2
2022	IR Journal award: top 10 cited papers for <i>Investigative Radiology</i> 2019-2022: Christe A , Peters AA, Drakopoulos D, Heverhagen JT, Geiser T, Stathopoulou T, Christodoulidis S, Anthimopoulos M, Mougiakakou SG, Ebner L. Computer-Aided Diagnosis of Pulmonary Fibrosis Using Deep Learning and CT Images. <i>Invest Radiol</i> . 2019 Oct;54(10):627-632.
2021	Swiss Congress of Radiology, Best Scientific Poster - summa cum laude- Nyilas S, Bauman G, Korten I, Pusterla O, Singer F, Ith M, Groen C, Schöni A, Heverhagen J, Christe A , Rodondi N, Bieri O, Geiser T, Auer R, Funke-Chambour M, Ebner L. <i>Short-Term Effect of E-Cigarette and Tobacco Smoke on Ventilation and Perfusion in the Lung: Assessment With Functional MRI and Lung Function Measurements</i>
2021	Trainee Research Prize Radiological Society of North America (RSNA): Nyilas S, Bauman G, Korten I, Pusterla O, Singer F, Ith M, Groen C, Schöni A, Heverhagen J, Christe A , Rodondi N, Bieri O, Geiser T, Auer R, Funke-Chambour M, Ebner L. Short-Term Effect of E-Cigarette and Tobacco Smoke on Ventilation and Perfusion in the Lung: Assessment With Functional MRI and Lung Function Measurements
2017	Innovation prize , scientific symposium DIPR, University of Bern, Switzerland
2017	Best free communication award. Christodoulidis S, Anthimopoulos M, Ebner L, Christe A Mougiakakou S. <i>Lung Pattern Classification for Interstitial Lung Diseases (Deep Convolutional Neural Network)</i> . The 3rd annual meeting for SMARTCATs COST Action CM1404 Prague 2017.
2016	Best Poster Awardee , 3th World Congress on Hepatitis, Dubai, UAE
2014	Science award of the Department of Radiology DIPR, Bern, Switzerland
2009	Huggenberger-Bischoff prize (Swiss Cancer Research Foundation)

Supervision of Dissertation at University of Bern:

Jaled Charimo Torrente	CT screening and follow up of lung nodules: impact of CT-tube current and nodule characteristics on sensitivity and volume measurement of lung nodules, 2010
Lars Leidolt	Lung cancer screening with CT: evaluation of radiologists and different computer assisted detection software (CAD) as first and second readers for lung nodule detection at different dose levels, 2013
Sara Pistorius	Analysis of pneumatization and neurovascular structures of the sphenoid sinus using cone-beam tomography (CBT), 2013
Felix Knoblauch	Feasible dose reduction in routine chest computed tomography maintaining constant image quality using the last three scanner generations: from filtered back projection to sinogram-affirmed iterative reconstruction and impact of the novel fully integrated detector design minimizing electronic noise, 2014
Yanik Bütikofer	Lung Nodule detection by Micro-dose -CT vs (standard and dual-energy subtracted) Chest Radiograph, 2014
Frederick Schuster	CT arterial enhancement fraction (AEF) for hepatocellular carcinoma screening in patients with end-stage liver cirrhosis, 2015
Moritz Steib	Computed tomography imaging for the characterisation of drugs with radiation density measurements and HU spectroscopy, 2017
Laura Loebelenz	Kerley B lines in the lung apex - a distinct CT sign for pulmonary congestion, 2019
Alexandrine Bähler	Identification of ureteral stones at reduced radiation exposure: a pilot study comparing conventional versus digital low-dosage linear slot scanning (Lodox®) radiography, 2020
Ahmed Maher	Detection of Pulmonary Embolism on CT-Angiography Using Contrast Attenuation of Pulmonary Veins, 2020/2021
Dorothee Hausmann	Detection of Pulmonary Embolism on CT-Angiography Using Contrast Attenuation of Pulmonary Veins, 2020/2021
Jacqueline Arcon	Correlation of gastrointestinal perforation location and amount of free air and ascites on CT imaging, 2021
Tihana Misura	Avoiding the intercostal arteries in percutaneous thoracic interventions 2021
Mostafa El-Ashmawy	Comparison of the quality of two different CT scanners for neck imaging, 2022

Supervision of Master Thesis at University of Bern:

Arianna Mascara	Comparison of the effects of SGLT2 inhibitors, statins and absence of hypolipidemic drugs on atherosclerotic plaque progression and repercussions on cardiovascular disease risk, 2025
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Manuscript reviewer:

2021-	- <i>Journal of Nephrology</i>
2019-	- <i>Investigative Radiology</i>
2017-	- <i>Frontiers of Medicine</i>
2016-	- <i>PLOS ONE</i>
	- <i>Digestive Surgery</i>
2014/2015-	- <i>Scientific Reports</i> published by <i>Nature</i>
	- <i>IEEE Journal of Translational Engineering in Health and Medicine</i>
	- <i>The Journal of Rheumatology</i>
	- <i>British Journal of Radiology</i>
	- <i>Academic Radiology</i>
	- <i>Forensic Science, Medicine and Pathology</i>
	- <i>JMIR Journal of Magnetic Resonance Imaging</i>
	- <i>Clinical Neuroradiology</i>
2012-	- <i>Forensic Science International</i>
	- <i>Clinical imaging</i>
	- <i>European Journal of Radiology</i>
2010-	- <i>European Radiology</i>
	- <i>American Journal of Neuroradiology (AJNR)</i>
	- <i>Acta Radiologica</i>

Societies, Memberships

Swiss Society of Radiology (SGR-SSR)
European Society of Radiology (ESR)
European Society of Thoracic Imaging (ESTI)
Swiss Medical Association (FMH)
Swiss Society of Ultrasonography in Medicine (SGUM)
International Society of Forensic Radiological Imaging (ISFRI)

Grants: Total 10'283 T CHF

*main applicant, ** co-applicant, ^Δproject partner

Project funding (9'527 T CHF)

2025-2029	**Swiss National Science Foundation (SNSF, No 10.006.062): PRISM-FILD: Precision Medicine through Redefinition of Diagnosis and Management using Integrated Systems and Multilevel Data in fibrosing interstitial lung diseases (fILD)
2025-2027	*Innosuisse, (Swiss Innovation Agency, Nr 125.781 IP-ICT): Development of a locally deployed, web-based semantic search engine for the radiology workstation
2025-2029	**Swiss National Science Foundation (SNSF, No 33IC30_229750/1): EMPASTONE- Randomized placebo-controlled trial to assess efficacies of EMPAgliflozin and personalized dietary counseling for kidney STONE prevention in patients with calcium kidney stones
2024-2028	^ΔSwiss National Science Foundation (SNSF, No. 10003604): REPORT-IT - Advancing Liver Parenchyma and HCC Reporting and Classification through Multiparametric MRI and Visual Language Models
2021-2023	**Campus Lindenhof (21-02_IIT): AI-based Automated Diagnosis, Assessment and Prognosis of COVID-19 Infections
2019-2024	^ΔSwiss National Science Foundation (SNSF, No. 188591): MAPIT – Magnetic resonance (MR) relaxometry for extracellular volume (ECV) mapPng combined with elastography for noninvasive characterization of diffuse liver disease
2017-2018	**Foundation Lindenhof: Translation of a computer-aided diagnosis system for ILDs to clinical practice by Project INTACT – INTER stitial pneumonia pattern Analysis for CompuTer -aided diagnosis
2014	*Swiss National Science Foundation (SNSF, No. 157744): R'Equip - Magnetic Resonance (MR) - Elastography for Characterization of Liver Disease
2014 -2018	*Swiss National Science Foundation (SNSF, No. 15611): Project INTACT – INTER stitial pneumonia pattern Analysis for CompuTer -aided diagnosis
2014	*Swiss HIV Cohort Study (SHCS) sponsored by the Swiss National Science Foundation: Variation of CT-patterns of Pneumocystis jirovecii pneumonia (PCP) in HIV-infected individuals and kidney transplant recipients I.
2014	*Swiss Transplant Cohort Study (STCS) sponsored by the Swiss National Science Foundation: Variation of CT-patterns of Pneumocystis jirovecii pneumonia (PCP) in HIV-infected individuals and kidney transplant recipients II.
2011	*Bernese Cancer League, Swisslife, Swiss Foundation “Fight Against Cancer”: Optimal low-dose levels in Chest-Computed-Tomography (CT) for minimal patient radiation and unimpaired detection of lung nodules and nodule volume measurement
2010	*Jubilee Foundation Swisslife, Jubilee Foundation Mobiliar. Accurate low dose levels in Chest-Computed-Tomography (CT) for patients with recurrent lung pathologies

Industry funding (642.7 T CHF):

2025	*Global Investigator Initiated Research Grant Bracco Suisse S.A: Prospective, randomized, single-blind, monocentric, non-inferiority study of gadopixelenol vs. gadobutrol contrast agent performance
2020-2025	*Bracco Suisse S.A - Research Grant: MR-Protocoll optimization (Gadoteridol)
2022-2023	*Bracco Suisse S.A., Fumedica AG, Boehringer Ingelheim GmbH – Development Grant II: interventional radiology application
2021	*Bayer HealthCare – Development Grant I: interventional radiology application
2018	*Roche Pharma (Schweiz) AG – Research Grant: A.I. classification of pulmonary fibrosis
2017	*Roche Pharma (Schweiz) AG – Research Grant: Patterns of pulmonary fibrosis II (transfer learning)
2015	*Roche Pharma (Schweiz) AG – Research Grant: Patterns of pulmonary fibrosis (automatic detection)
2014	*Philips AG Healthcare, IntelliSpace Portal DX (Ioan): Lung nodule detection in lung cancer screening
2013	*Siemens Healthcare, CT Arterial Enhancement Fraction, AEF Syngo.via (Ioan): HCC detection in liver cirrhosis
2013	*Siemens AG, Philips, Bracco AG, Guerbet AG, Bayer HealthCare, SMD MedicalTrade GmbH. Lung Cancer Screening project

2009	*Guerbet AG, Bayer Schering: CT patterns: Comparison of Standard-Dose (150 mAs) and Low Dose CT (40 mAs)
2008	*GE Healthcare, Guerbet AG: CT patterns of fungal pulmonary infections of the lung: comparison of standard-dose and simulated low-dose CT

Personal funding (113.4 T CHF):

2010	*Huggenberger-Bischoff prize (Swiss Cancer Research Foundation): CT patterns: Comparison of Standard-Dose (150 mAs) and Low Dose CT (40 mAs)
2009	*"Gottfried und Julia Bangerter-Rhyner" Grant: Chest CT patterns at low dose level.
2008	*SSMBS, Senior Investigator Grant (Swiss National Science Foundation): CT patterns of the lung: low-dose CT.

Apps/Patents	Biopsy Guide Application (Apple and Android App). Content and Copyright by Christe A and Skyscraper Software 2022
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List of publications Prof. Dr. med. Andreas Christe

Publication impact:

H-Index: 44; citations: 7623

Relative Citation Ratio (RCR):

MAX	MEAN	Weighted RCR
18.8	1.54±0.22	207.6

ORCID ID: 0000-0002-2355-2591

Research Gate Interest Score: 3157

PubMed:

- 148 publications
- <https://www.ncbi.nlm.nih.gov/pubmed/?term=christe+a>

Bern Open Repository and Information System (Boris):

- 208 Research outputs
- <https://boris-portal.unibe.ch/entities/person/facaa02b-6315-4e62-9740-da2a15d5c383>

Original Research (peer reviewed):

- 1 Gloor DA, Todorski I, Peters A, Wagner B, Gassenmaier T, Roos J, **Christe A**, Ebner L, Huber AT. Beyond the heart: prevalence and implications of extra-coronary findings in coronary CT angiography: a retrospective study. Eur Radiol. 2025 Aug 5. doi: 10.1007/s00330-025-11886-6. Epub ahead of print. PMID: 40762727.
- 2 **Christe A**, Roth B, Fuster DG, Shakarchi K, Dionysios D, Elias P, Delimpasis G, Huber AT, Obmann VC, Peters AA, Ebner L, Cereghetti GM. Partial volume effects on kidney stones and lung nodules. Accepted PloS One 2025
- 3 Zbinden L, Erb S, Catucci D, Doorenbos L, Hulbert L, Berzigotti A, Brönnimann M, Ebner L, **Christe A**, Obmann VC, Sznitman R, Huber AT. Automated quantification of T1 and T2 relaxation times in liver mpMRI using deep learning: a sequence-adaptive approach. Eur Radiol Exp. 2025 Jun 14;9(1):58. doi: 10.1186/s41747-025-00596-9. PMID: 40515936; PMCID: PMC12167186.
- 4 Huber AT, Bartkowiak J, Seitz R, Bernhard B, Boscolo Berto M, Spano G, Wagner B, Obmann VC, Ebner L, Todorski IAS, Brönnimann MP, Fischer K, Guensch DP, **Christe A**, Berzigotti A, Räber L, Reichlin T, Pilgrim T, Praz F, Gräni C, Brugger N, Peters AA. The Association of Heart Failure and Liver T1 Mapping in Cardiac Magnetic Resonance Imaging. Diagnostics (Basel). 2025 Mar 20;15(6):779. doi: 10.3390/diagnostics15060779. PMID: 40150121; PMCID: PMC11941626.
- 5 Brönnimann MP, Manser L, **Christe A**, Heverhagen JT, Gebauer B, Auer TA, Schnapauff D, Colletini F, Schroeder C, Dorn P, Gassenmaier T, Ebner L, Huber AT. Ground-Glass Opacities in the Access Route and Biopsy in Highly Perfused Dependent Areas of the Lungs as Risk Factors for Pulmonary Hemorrhage During CT-Guided Lung Biopsy: A Retrospective Study. Tomography. 2025 Mar 14;11(3):35. doi: 10.3390/tomography11030035. PMID: 40137575;

- 6 Ardoino M, Zbinden L, Klaus JB, Peters AA, Catucci D, Brönnimann M, Berzigotti A, Ebner L, Heverhagen JT, **Christe A**, Huber A, Obmann VC. Association of MRI-derived Segmental Nonfunctional Liver Volume and Chronic Liver Disease. *Rofo*. 2025 Mar 10. English. doi: 10.1055/a-2514-4596. Epub ahead of print. PMID: 40064326.
- 7 **Christe A**, Primetis E, Cereghetti GM, et al. Hydrochlorothiazide and bone mineral density in patients with kidney stones: a post-hoc analysis of the NOSTONE trial. *Clin J Am Soc Nephrol*. 2025 May 1;20(5):706-718. doi: 10.2215/CJN.0000000659. Epub 2025 Mar 10. PMID: 40063114
- 8 Brönnimann MP, McMurray MT, Heverhagen JT, **Christe A**, Wyss C, Peters AA, Huber AT, Dammann F, Obmann VC. Innovative strategies for minimizing hematoma risk in MRI-guided breast biopsies. *Radiol Oncol*. 2025 Jan 22;59(1):91-99. doi: 10.2478/raon-2025-0004. PMID: 39840427; PMCID: PMC11867564.
- 9 Jungblut L, Rizzo SM, Ebner L, Kobe A, Nguyen-Kim TDL, Martini K, Roos J, Puligheddu C, Afshar-Oromieh A, **Christe A**, Dorn P, Funke-Chambour M, Hötker A, Frauenfelder T. Advancements in lung cancer: a comprehensive perspective on diagnosis, staging, therapy and follow-up from the SAKK Working Group on Imaging in Diagnosis and Therapy Monitoring. *Swiss Med Wkly*. 2024 Dec 2;154:3843. doi: 10.57187/s.3843. PMID: 39835913.
- 10 Klaus JB, Goerke U, Klarhöfer M, Keerthivasan MB, Jung B, Berzigotti A, Ebner L, Roos J, **Christe A**, Obmann VC, Huber AT. MRI Dixon Fat-Corrected Look-Locker T1 Mapping for Quantification of Liver Fibrosis and Inflammation-A Comparison With the Non-Fat-Corrected Shortened Modified Look-Locker Inversion Recovery Technique. *Invest Radiol*. 2024 Nov 1;59(11):754-760. doi: 10.1097/RLI.0000000000001084. PMID: 39514773; PMCID: PMC11462899.
- 11 Peters AA, Wiescholek N, Müller M, Klaus J, Strodka F, Macek A, Primetis E, Drakopoulos D, Huber AT, Obmann VC, Ruder TD, Roos JE, Heverhagen JT, **Christe A**, Ebner L. Impact of artificial intelligence assistance on pulmonary nodule detection and localization in chest CT: a comparative study among radiologists of varying experience levels. *Sci Rep*. 2024 Sep 28;14(1):22447. doi: 10.1038/s41598-024-73435-3. PMID: 39341945; PMCID: PMC11439040.
- 12 Catucci D, Hrycyk J, Lange NF, Obmann VC, Berzigotti A, Brönnimann MP, Zbinden L, Fischer K, Guensch DP, Ebner L, Roos J, **Christe A**, Huber AT. Liver segmental volumes and their relationship with 5-year prognostication. *Abdom Radiol (NY)*. 2025 Mar;50(3):1133-1142
- 13 Peters AA, Munz J, Klaus JB, Macek A, Huber AT, Obmann VC, Alsaihati N, Samei E, Valenzuela W, **Christe A**, Heverhagen JT, Solomon JB, Ebner L. Impact of Simulated Reduced-Dose Chest CT on Diagnosing Pulmonary T1 Tumors and Patient Management. *Diagnostics (Basel)*. 2024 Jul 23;14(15):1586. doi: 10.3390/diagnostics14151586. PMID: 39125461; PMCID: PMC11311729.
- 14 Stritt K, Fuster DG, Dhayat NA, Bonny O, Faller N, **Christe A**, Taha A, Ochs V, Ortlieb N, Roth B. Risk factors for asymptomatic kidney stone passage in adults with recurrent kidney stones. *Clin J Am Soc Nephrol*. 2024 Sep 1;19(9):1130-1137. doi: 10.2215/CJN.0000000000000496. Epub 2024 Jul 19.
- 15 Brönnimann MP, **Christe A**, Heverhagen JT, Gebauer B, Auer TA, Schnapauff D, Collettini F, Schroeder C, Dorn P, Ebner L, Huber AT. Pneumothorax risk reduction during CT-guided lung biopsy - Effect of fluid application to the pleura before lung puncture and the gravitational effect of pleural pressure. *Eur J Radiol*. 2024 Jul;176:111529
- 16 Fontanellaz M*, **Christe A***, Christodoulidis S, Dack E, Roos J, Drakopoulos D, Sieron D, Peters A, Geiser T, Funke-Chambour M, Heverhagen J, Hoppe H, Exadaktylos AK, Ebner L, Mougiakakou S. Computer-aided Diagnosis System for Lung Fibrosis: from the Effect of Radiomic Features and Multi-layer-perceptron Mixers to Pre-clinical Evaluation. *IEEE ACCESS*.2024.3350430* **shared first author**
- 17 Obmann VC, Catucci D, Berzigotti A, Gräni C, Ebner L, Heverhagen JT, **Christe A**, Huber AT. MRI extracellular volume fraction in liver fibrosis – a comparison of different time points and blood pool measurements. *J Magn Reson Imaging*. 2024 Oct;60(4):1678-1688. doi: 10.1002/jmri.29259.
- 18 Szyluk K, Bubnov R, Jarosz A, Reguła R, Grabowski P, Iwanicka J, Iwanicki T, Gieriek M, Sieroń D, **Christe A**, Niemiec P. The Impact of Blood Morphological Parameters on Treatment Outcomes in Tennis Elbow Patients Receiving Platelet-Rich Plasma (PRP) Therapy: A Prospective Study. *J Clin Med*. 2023 Dec 22;13(1):77. doi: 10.3390/jcm13010077. PMID: 38202084; PMCID: PMC10780100.
- 19 Hoppe H, Hirschle D, Schumacher MC, Schönhofen H, Glenck M, Kalka C, Willenberg T, Sixt S, Müller D, Gutzeit A, **Christe A**, Mohan V, Diehm N. Erectile dysfunction: role of computed tomography cavernosography in the diagnosis and treatment planning of venous leak. *CVIR Endovasc*. 2023 Nov 17;6(1):56. doi: 10.1186/s42155-023-00403-9. PMID: 37975993; PMCID: PMC10656380.
- 20 Peters AA, Solomon JB, von Stackelberg O, Samei E, Alsaihati N, Valenzuela W, Debic M, Heidt C, Huber AT, **Christe A**, Heverhagen JT, Kauczor HU, Heussel CP, Ebner L, Wielpütz MO. Influence of CT dose reduction on AI-

- driven malignancy estimation of incidental pulmonary nodules. *Eur Radiol.* 2024 May;34(5):3444-3452. doi: 10.1007/s00330-023-10348-1. Epub 2023 Oct 23.
- 21 Zbinden L, Catucci D, Suter Y, Hulbert L, Berzigotti A, Brönnimann M, Ebner L, **Christe A**, Obmann VC, Sznitman R, Huber AT. Automated liver segmental volume ratio quantification on non-contrast T1-Vibe Dixon liver MRI using deep learning. *Eur J Radiol.* 2023 Oct;167:111047
 - 22 Dhayat NA, Bonny O, Roth B, **Christe A**, Ritter A, Mohebbi N, Faller N, Pellegrini L, Bedino G, Venzin RM, Grosse P, Hüsler C, Koneth I, Bucher C, Del Giorno R, Gabutti L, Mayr M, Odermatt U, Buchkremer F, Hernandez T, Stoermann-Chopard C, Teta D, Vogt B, Roumet M, Tamò L, Cereghetti G, Trelle S, Fuster DG. Hydrochlorothiazide and Prevention of Kidney Stone Recurrence. *N Engl J Med.* 2023 Mar 2;388(9):781-791
 - 23 Peters AA, **Christe A**, von Stackelberg O, Pohl M, Kauczor HU, Heußel CP, Wielpütz MO, Ebner L. "Will I change nodule management recommendations if I change my CAD system?"-impact of volumetric deviation between different CAD systems on lesion management. *Eur Radiol.* 2023 Aug;33(8):5568-5577
 - 24 Lenoir A, **Christe A**, Ebner L, Beigelman-Aubry C, Bridevaux PO, Brutsche M, Clarenbach C, Erkosar B, Garzoni C, Geiser T, Guler SA, Heg D, Lador F, Mancinetti M, Ott S, Piquilloud L, Prella M, Que YA, von Garnier C, Funke-Chambour M. Pulmonary recovery 12 months after non-severe and severe COVID-19: The prospective Swiss COVID-19 lung study. *Respiration.* 2023;102(2):120-133
 - 25 Peters AA, Wagner B, Spano G, Haupt F, Ebner L, Kunze KP, Schmidt M, Neji R, Botnar R, Prieto C, Jung B, **Christe A**, Gräni C, Huber AT. Myocardial scar detection in free-breathing Dixon-based fat- and water-separated 3D inversion recovery late-gadolinium enhancement whole heart MRI. *Int J Cardiovasc Imaging.* 2023 Jan;39(1):135-144
 - 26 Primetis E, Drakopoulos D, Sieroń D, Meusburger H, Szyluk K, Niemiec P, Obmann VC, Peters AA, Huber AT, Ebner L, Delimpasis G, **Christe A**. Knee diameter and cross-sectional area as biomarkers for cartilage knee degeneration on MR images. *Medicina (Kaunas).* 2022 Dec 23;59(1):27
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Abstracts / Invited Lectures:

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- 2 **Christe A**, Fontanellaz M, Ebner L, and Mougiakakou S. Computer-aided Diagnosis System for Lung Fibrosis: from the Effect of Radiomic Features and Multi-layer-perceptron. Swiss Congress of Radiology (SCR). St. Gallen, Switzerland, May 2025
- 3 **Christe A.** Smoking Related Interstitial Lung Diseases, 31st Annual Scientific Meeting of the European Society of Thoracic Imaging (ESTI), Bergen, Norway 2025
- 4 **Christe A**, Thorax-/Knochenbildgebung, LENKER WOCHE, Saanenmöser, 2024
- 5 **Christe A.** Airways / Inhalational Lung Disease (Workshop). 55th IDKD Davos: Diseases of the Chest, Heart and Vascular System. IDKD - International Diagnostics Course Davos, Switzerland, 2025
- 6 **Christe A.** Lung Cancer Screening: Current radiological guidelines for assessment, Swiss Congress of Radiology (SCR'24). Geneva. June 2024
- 7 Peters, Alan Arthur; Wiescholek, Nina; Klaus, J; Strodka, Felix; Macek, Aljosa; Primetis, Elias; Drakopoulos, Dionysios; Heverhagen, Johannes; **Christe, Andreas**; Ebner, Lukas (Juni 2024). Comparison of deep learning-based CAD systems regarding pulmonary nodule detection, localization and classification: A multi-reader study (Unveröffentlicht). Accepted in: Swiss Congress of Radiology (SCR'24). Geneva. June 2024
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- 9 **Christe A**, Thoraxbildgebung, LENKER WOCHE, Saanenmöser, 2024
- 10 **Christe A.** CT imaging of common infectious diseases. ECR Vienna, March 2024
- 11 **Christe A.** HRCT-Masterclass: Reticulation pattern USZ, Zurich, Switzerland Feb 2024
- 12 Misura, Tihana; Drakopoulos, Dionysios; Mitrovic, Milena; Lönnfors, Tarja; Primetis, Elias; Hoppe, Hanno; Obmann, Verena C; Huber, Adrian T; Ebner, Lukas; **Christe, Andreas**. Avoiding the Intercostal Arteries in Percutaneous Thoracic Interventions. Swiss Congress of Radiology (SCR). Davos. June 2023
- 13 Ardoino, Marie; Obmann, Verena Carola; Zbinden, Lukas; Klaus, Jeremias Bendicht; Peters, Alan Arthur; Catucci, Damiano Livio Aldo; Ebner, Lukas; **Christe, Andreas**; Huber, Adrian Thomas. Association of MRI-derived segmental nonfunctional liver volume and chronic liver disease. European Congress of Radiology, March 2023

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- 15 Zbinden, Lukas; Catucci, Damiano Livio Aldo; Hulbert, LA; Brönnimann, Michael; Ebner, Lukas; Christe, Andreas; Obmann, Verena Carola; Sznitman, Raphael; Huber, Adrian Thomas; Huber, Adrian Thomas (Juni 2023). Automated T1 Mapping Quantification Of The Liver With Deep-learning Based 3D T1 Vibe Dixon Liver Parenchyma Segmentation And AffineTransformation With Voxel-wise Co-registration. In: European Society of Gastrointestinal and Abdominal Radiology (ESGAR), 2023. Valencia. June 2023
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- 22 Peters AA, Bartkowiak J, Seitz R, Wagner B, Spano G, **Christe A**, et al. Liver T1 mapping to quantify heart failure in patients undergoing cardiac MRI: Determination of optimized dose thresholds in a virtual screening scenario. Swiss Congress of Radiology SCR, Fribourg, Switzerland, 2022
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- 27 Zbinden L, Catucci D, Suter, YR, Berzigotti A, Ebner L, **Christe A**, Obmann VC, Sznitman R, Huber AT. Effectiveness of a state-of-the art neural network for liver parenchyma, portal and hepatic vein segmentation based on a standard non-contrast T1-vibe Dixon sequence. European Congress of Radiology, Vienna, Austria, 2022
- 28 Sulewski A, Sieroń D, Szyluk K, Dąbrowski M, Kubaszewski Ł, **Christe A.** Avascular Necrosis Bone Complication after Active COVID-19 Infection: Preliminary Results. ECR, Vienna, Austria, 2022
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- 33 Obmann VC, Catucci D, Berzigotti A, Gräni C, Ebner L, Heverhagen J, Christe A, Huber AT. T1 reduction rate with Gd-EOB-DTPA for liver function mapping in MRI: Comparison between 1.5 T and 3T in a cross-sectional comparative study. ECR, Vienna, Austria, 2021
- 34 Hrycyk J, Obmann VC, Marx CL, Kadji W, Catucci, D, Berzigotti A, Ebner L, **Christe A**, Huber AT. Liver vein to cava attenuation: a simple parameter to increase predictive value of caudate-right lobe ratio and liver segmental volume ratio to detect significant liver fibrosis on abdominal CT scans. ECR, Vienna, Austria, 2020 (virtual congress due to Coronavirus)
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- 38 Ebner L, Mougiakakou SG, Stathopoulou T, Christodoulidis S, **Christe A**. INFLUENCE OF SOFT VERSUS HARD COMPUTED TOMOGRAPHY RECONSTRUCTION KERNEL ON RADIOLOGICAL PATTERN RECOGNITION. CHEST Congress Bologna, Italy 2020 (accepted, conference canceled due to Coronavirus)
- 39 **Christe A**, Mougiakakou SG, Stathopoulou T, Christodoulidis S, Ebner L. Automated Diagnosis of Pulmonary Fibrosis Using Deep Learning and CT Images. American Thoracic Society ATS International Conference, Philadelphia, NJ, USA, 2020 (accepted, virtual congress due to Coronavirus)
- 40 Catucci D, Obmann VC, Berzigotti A, Hrycyk J, Kaidi W, Gräni C, Ebner L, Mertineit N, Heverhagen JT, **Christe A**, Huber AT. Mapping of the liver function – impact of MR field strength on T1 reduction rate. ESGAR, Amsterdam, Netherlands, 2020 (accepted, conference postponed due to Coronavirus)
- 41 Obmann, Verena Carola; Berzigotti, Annalisa; Ebner, Lukas; **Christe, Andreas**; Huber, Adrian Thomas (5 Dezember 2019). T1 relaxation times of the liver and spleen to predict significant liver fibrosis: Is there an additional value of normalization to blood pool? RSNA Radiological Society of North America Annual Meeting, Chicago 2019
- 42 **Christe A**, Löbelenz L, Ebner L. Kerley B lines in the lung apex – a new CT sign for pulmonary congestion. Annual Radiology Meeting in UAE, Dubai, United Arab Emirates 2019
- 43 Obmann VC, Mertineit N, Berzigotti A, Marx CL, Ebner L, Ith M, Heverhagen J, **Christe A**, Huber AT. Susceptibility-weighted Imaging (SWI) compared to T2 mapping in the presence of hepatic steatosis and fibrosis. Swiss Congress of Radiology, SCR, SGR-SSR, St. Gallen, Switzerland, 2019
- 44 **Christe A**, Mougiakakou SG, Ebner L. Automated Diagnosis of Pulmonary Fibrosis Using Deep Learning and CT Images. Annual European Clinical Conference, Vienna, Austria, 2019
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- 48 **Christe A**, Stathopoulou T, Christodoulidis S, Anthimopoulos M, Mougiakakou SG, Ebner L. Computer Aided

- 49 **Christe A.** Non tuberculous mycobacterium infection: Role of imaging. Annual Congress of the European Society of Thoracic Imaging ESTI, Geneva, Switzerland, 2018
- 50 **Christe A,** Ebner L, Anthimopoulos M, Christodoulidis S, Mougiakakou S. A Convolutional Neural Network for the Classification of Interstitial Lung Disease Patterns. American Thoracic Society ATS, international Conference, San Diego, CA, USA, 2018
- 51 **Christe A.** Interstitial Lung Disease made easy. Annual Congress of the Swiss Society of Radiology, Lausanne, Switzerland, 2018
- 52 Löbelenz LI, Ebner L, **Christe A.** Kerley-B-lines in the lung apex - a new CT sign for pulmonary congestion. Swiss Congress of Radiology SCR, Lausanne, Switzerland, 2018.
- 53 **Christe A.** Die häufigsten Lungenerkrankungen im radiologischen Fokus. Jahrestagung MTRA *Ab auf die Insel.* Bern, 2018
- 54 **Christe A.** Computed Tomography Imaging for the Characterization of Drugs using Radiation Density Measurements and HU-Spectroscopy. 12th Annual Pharma Middle East Congress, Dubai, UAE, 2017
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- 56 Obmann VC, Mertineit N, Heverhagen JT, **Christe A***, Huber AT* (*These authors contributed equally to this work). Morphology based assessment of liver fibrosis using a new quantitative metric in abdominal CT scans. The International Liver Congress, EASL, Amsterdam, Netherlands, 2017
- 57 **Christe A,** Ebner L, Anthimopoulos M, Christodoulidis S, Mougiakakou S. Lung Pattern Classification for Interstitial Lung Diseases Using a Deep Convolutional Neural Network. Radiological Society of North America (RSNA), Scientific Assembly and Annual Meeting, Chicago, USA, 2016
- 58 **Christe A,** Ebner L, Huber A. CT arterial enhancement fraction for hepatocellular carcinoma screening. 3th World Congress on Hepatitis, Dubai, UAE, 2016
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