

Curriculum Vitae

Claus Peter Heussel Prof. Dr. med.

Education and Appointments

- 2022 Training authorization 3 years for radiology
- 2006 Head of Diagnostic/Interventional Radiology with Nuclear Medicine, Thoraxklinik Heidelberg
- 2003 Assistant Professor, department of Radiology, Johannes-Gutenberg University Mainz
- 1999 Postdoc, department of Radiology, Johannes-Gutenberg University Mainz
- 1994 Resident, department of Radiology, Johannes-Gutenberg University Mainz
- 1993 Resident, obligatory clinical course, department of Hematology/Oncology, Johannes-Gutenberg University Mainz
- 1986 Medical School, Johannes-Gutenberg University Mainz

Research Topics

- 2004 Analysis of functional and radio-morphological imaging with histology/molecular-biology in solid tumours
- 1997 Computer assisted quantitative image analysis of lung tissue and airway morphology and function
- 1995 Functional CT and MRI (^1H , ^3He , ^{19}F) for ventilation, perfusion, and dynamic real-time imaging of the respiratory tract
- 1994 Investigations for radiological diagnosis of infectious diseases in immunocompromized patients

Degrees

- 2009 Special Professor for Radiology at the Ruprecht-Karls-University Heidelberg
- 2003 Habilitation (PD), Johannes-Gutenberg University Mainz
- 2002 Spokesmen for lung working group on functional MRI, Johannes-Gutenberg University Mainz
- 1994 Dissertation (M.D.), Medicinal Clinic of Endocrinology, Johannes-Gutenberg University Mainz

Honors and Awards

- 2013 Educational-Prize of the Academy of South-West-German Radiology and Nuclear Medicine
- 2012 ASPIRE MOULD Prize: "Retrospective Interdisciplinary Multicentre Analysis of Fungal Pneumonia in Children"
- 2012 Felix-Wachsmann-Prize of the German Academy for excellent continuous education in radiology
- 2008 INI-GraphicsNet Best Paper Award „Segmentation and Navigation Support of Clinical Data Sets to Simulate the Bronchoscopy and Rhinoscopy“
- 2005 European Society of Radiology: Fluorinated gasses for measurement of pulmonary ventilation in ^{19}F -MRI
- 2003 Robert-Müller research award for cand. med. C. Buschsieweke: "Automatic quantification of diffuse interstitial lung disease in multislice CT"
- 2003 European Society of Radiology: Ultrafast ^3He -MRT for dynamic analysis of distribution of ventilation

Activities in the Scientific Community

- Member of the DRG Expert Committee "Clinical Study Coordination" in radiation protection
- Member of the EORTC/MSG working group "Guidance on Imaging"
- Principal investigator at the German Center for Lung Research, www.dzl.de
- Member of the Heidelberg centre of rare lung diseases, www.seltene-erkrankungen-heidelberg.de
- Editor of „Medizinische Klinik, Intensivmedizin und Notfallmedizin“, Springer Publishing
- Radiological consultant of the European Conference on Infections in Leukaemia (ECIL)
- Faculty member of the European Society of Thoracic Radiology (ESTI)
- Founder member and radiological consultant of the working team in infections in immunocompromized hosts (AGIHO)
of the German society of Hematology/Oncology (DGHO)

Publications see <https://pubmed.ncbi.nlm.nih.gov/?term=heussel-c>

Lim HJ, Weinheimer O, Wielpütz MO, Dinkel J, Hielscher T, Gompelmann D, Kauczor HU, **Heussel CP**. Fully Automated Pulmonary Lobar Segmentation: Influence of Different Prototype Software Programs onto Quantitative Evaluation of Chronic Obstructive Lung Disease. *PLoS One*. 2016 Mar 30;11(3):e0151498 (CI: 3.54)

Colombi D, Dinkel J, Weinheimer O, Obermayer B, Buzan T, Nabers D, Bauer C, Oltmanns U, Palmowski K, Herth F, Kauczor HU, Sverzellati N, Kreuter M, **Heussel CP**. Visual vs Fully Automatic Histogram-Based Assessment of Idiopathic Pulmonary Fibrosis (IPF) Progression Using Sequential Multidetector Computed Tomography (MDCT). *PLoS One*. 2015 Jun 25;10(6):e0130653 (CI: 3.54)

Buzan MT, Eichinger M, Kreuter M, Kauczor HU, Herth FJ, Warth A, Pop CM, **Heussel CP**, Dinkel J. T2 mapping of CT remodelling patterns in interstitial lung disease. *Eur Radiol*. 2015 Nov;25(11):3167-74 (CI: 3.640)

Becker N, Motsch E, Gross ML, Eigentopf A, **Heussel CP**, Dienemann H, Schnabel PA, Eichinger M, Optazait DE, Puderbach M, Wielpütz M, Kauczor HU, Tremper J, Delorme S. Randomized Study on Early Detection of Lung Cancer with MSCT in Germany: Results of the First 3 Years of Follow-up After Randomization. *J Thorac Oncol*. 2015 Jun;10(6):890-6 (CI 5.040)

Lederlin M, Puderbach M, Muley T, Schnabel PA, Stenzinger A, Kauczor HU, **Heussel CP**, Herth FJ, Hoffmann H, Diemann H, Weichert W, Warth A. Correlation of radio- and histomorphological pattern of pulmonary adenocarcinoma. *Eur Respir J*. 2013; 41: 943-51 (CI 5.992)

Cordonnier C, Rovira M, Maertens J, Olavarria E, Faucher C, Bilger K, Pigneux A, Cornely OA, Ullmann AJ, Bofarull RM, De la Cámara R, Weisser M, Liakopoulou E, Abecasis M, **Heussel CP**, Pineau M, Ljungman P, Einsele H (2010) Voriconazole for secondary prophylaxis of invasive fungal infection in allogeneic stem cell transplant recipients: results of the VOSIFI study. *Haematologica*. 2010; 95: 1762-1768 (CI 6.416)

Schuler M, Herrmann R, De Greve JLP, Stewart K, Gatzemeier U, Stewart DJ, Laufman L, Gralla R, Kuball J, Buhl R, **Heussel CP**, Kommos F, Perruchoud AP, Shepherd FA, Fritz MA, Horowitz JA, Huber C, Rochlitz C (2001) Adenovirus-Mediated Wild-Type p53 Gene Transfer in Patients Receiving Chemotherapy for Advanced Non-Small-Cell Lung Cancer: Results of a Multicenter Phase II Study. *J. Clin. Oncol*. 19: 1750-1758 (CI: 17.793)

Heussel CP, Kauczor H-U, Heussel G, Fischer B, Begrich M, Mildenerger P, Thelen M (1999) Pneumonia in febrile neutropenic patients bone-marrow and blood stem-cell recipients: use of high-resolution CT. *J. Clin. Oncol*. 17: 796-805 (CI: 17.793)