

Prof. Dr. med. Dr. Esther Troost

Division Head of 'Image-guided Radiooncology' of Helmholtz-Zentrum Dresden-Rossendorf, Dresden

Co-Chair of Department of Radiotherapy and Radiation Oncology of University Hospital and Faculty of Medicine Carl Gustav Carus of the Technische Universität Dresden (UKD)



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Esther Troost is an expert in image-guided high-precision therapy and contributes to the advancing field of individualized medicine in photon- and proton-based radiotherapy. To further promote and improve the impact of radiotherapy, it is essence of her work to foster interdisciplinary collaborations as well as bring new research findings into clinical application. Networking and outreach have been crucial for her success and numerous publications in international high-ranking journals as well as a couple of renowned prizes, such as the ESTRO Varian Award, reflect her clinically relevant and patient-oriented research.



Professional Career

- Since 01/2019** Co-Chair of Department of Radiotherapy and Radiation Oncology of University Hospital Carl Gustav Carus Dresden
- 11/2016-12/2018** Deputy-Chair of Department of Radiotherapy and Radiation Oncology of University Hospital Carl Gustav Carus Dresden
- Since 07/2016** Division Head of 'Image-guided Radiooncology' of Helmholtz-Zentrum Dresden-Rossendorf (HZDR), Dresden
- Since 03/2015** University Professor of 'Image-Guided High-Precision Radiotherapy' at HZDR, OncoRay – National Center for Radiation Research in Oncology, University Hospital and Faculty of Medicine Carl Gustav Carus Dresden, associated with German Cancer Consortium (DKTK), National Center for Tumor Diseases (NCT) and German Cancer Research Center (DKFZ)
- 02/2014-02/2015** Assistant Professor at Maastricht University, Department of Radiation Oncology, Faculty of Health, Medicine and Life Sciences, Maastricht (NL)
- 07/2012-02/2015** Radiation Oncologist at Maastricht University Medical Centre, detached to the Department of Radiation Oncology (MAASTRO clinic), Maastricht (NL)
- 2004-06/2012** Resident Radiation Oncology, Radboud University Medical Center, Nijmegen (NL)

Education

- 2010** PhD degree; Radboud University Nijmegen (NL)
- 2008** German doctoral degree (*magna cum laude*); Medizinische Hochschule Hannover
- 2004** MD degree (Staatsexamen)
- 1998-2004** Medical training at Eberhard Karls University Tübingen, Aberdeen Royal Infirmary (UK), Radboud University Nijmegen (NL)

Publications (5 most relevant)

ORCID: 0000-0001-9550-9050 **h-index (ISI):** 30

- Lievens Y, Defourny N, Corral J, Gasparotto C, Grau C, Borrás JM, Chauvet B, Coffey M, Coza O, Daisne J, Hadjjeva T, Jarusevicius L, Karadjinovic V, Kouloulis V, Kozma E, Kristensen BH, Lopez AM, Malicki J, Minn H, Mohammed N, Petera J, Rolles M, Roques T, Russi E, Sedlmayer F, Slobina E, Smichkoska S, Takácsi-Nagy Z, Trigo L, **Troost EGC**, Untereiner M, Valgma M, van Loon J. How public health services pay for radiotherapy in Europe: an ESTRO-HERO analysis on reimbursement. *Lancet Oncol* 2020, 21(1):e42-e54.
- Raschke F, Seidlitz A, Wesemann T, Löck S, Jentsch C, Platzek I, Petr J, van den Hoff J, Kotzerke J, Beuthien-Baumann B, Baumann M, Linn J, Krause M, **Troost EGC**. Dose dependent cerebellar atrophy in glioma patients after radio(chemo)therapy. *Radiother Oncol* 2020;150:262-267.
- van Herk M, Osorio EV, **Troost EGC**. Is reducing irradiated margins key to improving outcomes for radiotherapy? *Lancet Oncol* 2019, 20(9):1208-1210.
- Apolle R, Brückner S, Frosch S, Rehm M, Thiele J, Valentini C, Lohaus F, Babatz J, Aust DE, Hampe J, **Troost EGC**. Utility of fiducial markers for target positioning in proton radiotherapy of oesophageal carcinoma. *Radiother Oncol* 2019, 133:28-34.
- Raschke F, Wesemann T, Wahl H, Appold S, Krause M, Linn J, **Troost EGC**. Reduced diffusion in normal appearing white matter of glioma patients following radio(chemo)therapy. *Radiother Oncol* 2019, 140:110-115.

Political and Honorary Offices

- Dean of Research, Faculty of Medicine, Technische Universität Dresden, Germany
- Member of national and international committees (e.g. ESTRO, ESHIMT, CTI, DKTK, NCT)
- Member of various professional societies (e.g. EORTC Radiation Oncology Group, DEGRO, DRG, ESTRO, NVRO, European Thoracic Oncology Group (ETOP))
- Reviewer of scientific journals (e.g. Radiotherapy and Oncology, Radiation Oncology, The Journal of Nuclear Medicine, Nature Scientific Reports)