

“Ground-breaking research, advanced biomarkers, and cutting-edge technology have allowed us to enhance perfusion maps, offering more precise and reliable results where previous technologies fell short.

That’s why we created Cercare Medical.”



Professor  
Kim Beuschau Mouridsen  
Founder & CEO  
Cercare Medical

# KEY PUBLICATIONS - ONCOLOGY

**Explore the Evidence Behind Our Innovation**  
Our advanced imaging solutions are backed by robust clinical research and peer-reviewed publications. Below, you’ll find a selection of key studies that highlight the efficacy of our metabolic insights, advanced biomarkers, and precision imaging techniques in improving patient care across neurological fields.

	MR	CT
<b>NCBI - Sim et al., 2024</b> Lower OEF may be useful imaging biomarkers to differentiate H3 K27-altered DMG from midline-located IDH-wildtype GB. DOI: 10.1016/j.ejrad.2024.111384	X	
<b>SpringerLink - Park et al., 2023</b> High intratumoural capillary transit heterogeneity and high oxygen extraction fraction derived from DSC-PWI have enhanced the diagnostic value of CBV in pseudoprogression of post-treatment IDH-wild type glioblastoma. DOI: 10.1007/s00330-023-10324-9	X	
<b>NCBI - Kickingereder et al. 2020</b> Longitudinal study to evaluate bevacizumab treatment effects. The tumour metabolic rate of oxygen (TMRO2) was compared for patients treated with bevacizumab or another drug, and higher for patients treated with another drug. DOI: 10.1148/radiol.2020200978	X	
<b>Sage Journals - Stadlbauer et al. 2017</b> Recurrent glioblastoma had significantly higher $\mu$ VTH and $\mu$ COV as well as significantly lower mitochondrial oxygen tension (PO2mit) values compared to newly-diagnosed glioblastoma. DOI: 10.1177/0271678X17694905	X	
<b>Max Valley - Bonekamp et al. 2016</b> A larger TMRO2 increases the hazards for progression and death. DOI: 10.1177/0271678X16630322	X	
<b>NCBI - Tietze et al., 2015</b> CTH improves tumor grading and outcome prediction in glioma patients compared to CBV alone. DOI: 10.1371/journal.pone.0123044	X	
<b>NCBI - Tietze et al., 2015</b> Comparison between Bayesian model (BM) and Levenberg-Marquardt (LM) method for the generation of DCE perfusion maps. BM revealed superior image quality. DOI: 10.1371/journal.pone.0202906	X	
<b>NCBI - Østergaard et al. 2013</b> Review article: value of biomarkers in an oncology setting. DOI: 10.1158/0008-5472.CAN-13-0964	X	X

