

# List of publications

## Peer-reviewed publications

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- P. Cheebsumon, F. H. P. van Velden, M. Yaqub, C. J. Hoekstra, L. M. Velasquez, W. Hayes, O. S. Hoekstra, A. A. Lammertsma, R. Boellaard, “Measurement of metabolic tumour volume: static versus dynamic FDG scans,” *EJNMMI Research*, 1:35, 2011.
- P. Cheebsumon, F. H. P. van Velden, D. de Ruysscher, W. van Elmpt, M. Yaqub, O. S. Hoekstra, E. F. I. Comans, A. A. Lammertsma, R. Boellaard, “Assessment of tumour size in PET/CT lung cancer studies: PET and CT based methods compared to pathology,” submitted.
- P. Cheebsumon, M. Yaqub, F. H. P. van Velden, O. S. Hoekstra, A. A. Lammertsma, R. Boellaard, “Impact of [<sup>18</sup>F]FDG PET imaging parameters on automatic tumour delineation: need for improved tumour delineation methodology,” *Eur J Nucl Med Mol Imaging*, vol. 38(12), pp. 2136–2144, 2011.
- P. Cheebsumon, F. H. P. van Velden, M. Yaqub, V. Frings, A. J. de Langen, O. S. Hoekstra, A. A. Lammertsma, R. Boellaard, “Effects of image characteristics on performance of tumour delineation methods: a test-retest assessment,” *J Nucl Med*, vol. 52(10), pp. 1550–1558, 2011.
- F. H. P. van Velden, P. Cheebsumon, M. Yaqub, E. F. Smit, O. S. Hoekstra, A. A. Lammertsma, R. Boellaard, “Evaluation of a cumulative SUV-volume histogram method for parameterizing heterogeneous intratumoural FDG uptake in non-small cell lung cancer PET studies,” *Eur J Nucl Med Mol Imaging*, vol. 38(9), pp. 1636–1647, 2011.
- P. Cheebsumon, L. M. Velasquez, C. J. Hoekstra, W. Hayes, R. W. Kloet, N. J. Hoetjes, E. F. Smit, O. S. Hoekstra, A. A. Lammertsma, R. Boellaard, “Measuring response to therapy using FDG PET: semi-quantitative and full kinetic analysis,” *Eur J Nucl Med Mol Imaging*, vol. 38(5), pp. 832–842, 2011.

## Abstracts

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- P. Cheebsumon, F. H. P. van Velden, M. Yaqub, O. S. Hoekstra, A. A. Lammertsma, R. Boellaard, “Metabolic tumour volume assessments using static versus dynamic FDG PET studies,” *J Nucl Med*, vol. 52(Suppl. 1), pp. 471, 2011 (presented as a poster at the SNM Annual Meeting in San Antonio, USA).

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- F. H. P. van Velden, M. Yaqub, P. Cheebsumon, O. S. Hoekstra, A. A. Lammertsma, R. Boellaard, “Test-retest variability of metabolic tumor volume and SUV: experimental assessment including repositioning effects,” *J Nucl Med*, vol. 52(Suppl. 1), pp. 15, 2011 (presented as an oral at the SNM Annual Meeting in San Antonio, USA).
- P. Cheebsumon, M. Yaqub, F. H. P. van Velden, O. S. Hoekstra, A. A. Lammertsma, R. Boellaard, “Impact of [<sup>18</sup>F]FDG image characteristics on automatic metabolic volume assessment,” *Eur J Nucl Med Mol Imaging*, vol. 37(Suppl. 2), pp. 261, 2010 (presented as an oral at the EANM Annual Meeting in Vienna, Austria).
- P. Cheebsumon, F. H. P. van Velden, M. Yaqub, V. Frings, A. J. de Langen, O. S. Hoekstra, A. A. Lammertsma, R. Boellaard, “Test-retest variability of metabolic volume measurements in lung cancer: effects of radiotracer, tumour delineation method and image characteristics,” *Eur J Nucl Med Mol Imaging*, vol. 37(Suppl. 2), pp. 258, 2010 (presented as an oral at the EANM Annual Meeting in Vienna, Austria).
- P. Cheebsumon, F. H. P. van Velden, D. de Ruyscher, W. van Elmpt, M. Yaqub, O. S. Hoekstra, A. A. Lammertsma, R. Boellaard, “Assessment of tumour volume in lung cancer: PET versus CT based methods,” *Eur J Nucl Med Mol Imaging*, vol. 37(Suppl. 2), pp. 257, 2010 (presented as an oral at the EANM Annual Meeting in Vienna, Austria).
- R. Boellaard, P. Cheebsumon, F. H. P. van Velden, M. Yaqub, A. A. Lammertsma, O. S. Hoekstra, “A novel cumulative SUV-volume histogram method for parameterizing heterogeneous tumour tracer uptake in oncology FDG PET studies,” *Eur J Nucl Med Mol Imaging*, vol. 37(Suppl. 2), pp. 261, 2010 (presented as an oral at the EANM Annual Meeting in Vienna, Austria).
- F. H. P. van Velden, P. Cheebsumon, M. Yaqub, O. S. Hoekstra, A. A. Lammertsma, R. Boellaard, “Evaluation of a cumulative SUV-volume histogram method for parameterizing heterogeneous tumour FDG uptake in PET studies,” *Eur J Nucl Med Mol Imaging*, vol. 37(Suppl. 2), pp. 262, 2010 (presented as an oral at the EANM Annual Meeting in Vienna, Austria).
- P. Cheebsumon, L. M. Velasquez, O. S. Hoekstra, W. Hayes, A. A. Lammertsma, R. Boellaard, “SUV analysis underestimates antitumor activity of a new drug,” *J Nucl Med*, vol. 50(Suppl. 2), pp. 332, 2009 (presented as a poster at the SNM Annual Meeting in Toronto, Canada).



