

Tram Quang Nguyen
Department of Clinical Research
Email: tqnguyen@health.sdu.dk

Research interests

- Medical imaging, analysis and processing (PET/CT/MRI)
- Quantification techniques, method optimization and mathematical modeling
- Image segmentation techniques and algorithms

Publications (peer reviewed)

Clinical Relevance of Partial-Volume Effect: Dependence on Lesion size and Shape

Nguyen, T., Hoiland-Carlsen, P. F., Zaidi, H. & Vach, W., 12. Nov 2018, *2017 IEEE Nuclear Science Symposium and Medical Imaging Conference, NSS/MIC 2017 - Conference Proceedings*. IEEE, 2 p. 8532729

An account of data entry inconsistencies and their impact on positron emission tomography quantification

Nguyen, T., Baun, C. & Høiland-Carlsen, P. F., 1. Sept 2018, In: *Medicine*. 97, 37, 7 p., e12312.

Quantification of FDG-PET/CT with delayed imaging in patients with newly diagnosed recurrent breast cancer

Baun, C., Falch, K., Gerke, O., Hansen, J., Nguyen, T., Alavi, A., Høiland-Carlsen, P.-F. & Hildebrandt, M. G., 9. May 2018, In: *BMC Medical Imaging*. 18, 10 p., 11.

Can semiquantitative measurements of SUVmax and cut-off values differentiate colorectal malignant from benign lesions?

Nguyen, T., Hess, S., Petersen, H., Alavi, A. & Høiland-Carlsen, P. F., 1. May 2017, In: *Hellenic Journal of Nuclear Medicine*. 20, 2, p. 113-121

Clinical Significance of Partial-Volume Effect: Dependence on Lesion size and Shape

Nguyen, T., Zaidi, H., Høiland-Carlsen, P. F. & Vach, W., 2017. 2 p.

Clinical significance of incidental focal bowel uptake on ¹⁸F-FDG PET/CT as related to colorectal cancer

Soltan, S. R., Hess, S., Nguyen, T., Gerke, O., Petersen, H., Alavi, A. & Høiland-Carlsen, P. F., 1. Sept 2016, In: *Hellenic Journal of Nuclear Medicine*. 19, 3, p. 245-249

Data Recording in PET/CT Routine Research Protocols: Could We do Better?

Baun, C., Nguyen, T. & Høiland-Carlsen, P. F., 2016, In: *European Journal of Nuclear Medicine and Molecular Imaging*. 43, Supl. 1, p. S668 1 p., TP093.

Data recording in PET/CT routine research protocols: Could we do better?

Baun, C., Nguyen, T. & Høiland-Carlsen, P. F., 2016.

Procedural Errors and Their Impact on PET Quantification

Nguyen, T., Baun, C. & Høiland-Carlsen, P. F., 2016, In: *European Journal of Nuclear Medicine and Molecular Imaging*. 43, 1 Supplement, p. S386 1 p., EP397.

Procedural Errors and Their Impact on PET Quantification

Nguyen, T., Baun, C. & Høiland-Carlsen, P. F., 2016.

Segmentation Method Variability of Metabolic Volume Quantification in Bone

Nguyen, T., Zaidi, H. & Høiland-Carlsen, P. F., 2016.

Automatic PET Image Segmentation: A Cross-Platform and Cross-Method Evaluation

Nguyen, T., Braad, P.-E. & Høiland-Carlsen, P. F., 29. Nov 2015. 1 p.

Evaluating Quantitative Measures in Incidental Colorectal PET Findings

Nguyen, T., Hess, S., Petersen, H. & Høilund-Carlsen, P. F., 2015, In: European Journal of Nuclear Medicine and Molecular Imaging. 42, 1 Supplement, p. S26 1 p., OP061.

Inter-observer Variability Using ROVER® Software for Processing of Cerebral FDG-PET Studies

Antonsen Segtnan, E., Christlieb, S. B., Hess, S., Nguyen, T., Alavi, A. & Høilund-Carlsen, P. F., 2015, In: Journal of Nuclear Medicine. 56, 3 Supplement, 1755.

Quantification Challenges in Dual-Time PET Scans

Nguyen, T., Christlieb, S. B. & Høilund-Carlsen, P. F., 2015, In: European Journal of Nuclear Medicine and Molecular Imaging. 42, 1 Supplement, p. 302 1 p., PW049.

Rapid MRI Methods for Functional Brain Imaging at Ultrahigh-Fields

Nguyen, T., 2011, Tuebingen, Germany: Eberhard-Karls-Universitaet Tuebingen. 174 p.

Parallel Imaging with RASER using Multiband Frequency-modulated Excitation Pulses

Nguyen, T., Goerke, U., Moeller, S., Ugurbil, K. & Garwood, M., 2009, *Proc 17th ISMRM*. p. 2738

Pushing the Limits: ultrafast 2D Accelerated High Resolution Whole-Head Volumetric Functional Imaging at 7 Tesla

Nguyen, T., Moeller, S., Goerke, U., Yacoub, E. & Ugurbil, K., 2009, *Proc 17th ISMRM*. p. 3670

On Image Registration in Magnetic Resonance Imaging

Qiu, P. & Nguyen, T., 2008, *IEEE Proceedings of the 2008 International Conference on BioMedical Engineering and Informatics*. p. 753-757 5 p.

Noise Analysis of Accelerated 3D-EPI fMRI

Nguyen, T., Goerke, U. & Ugurbil, K., 2007, *Proc 15th ISMRM-ESMRMB*. p. 3182

Accelerated 3D-EPI fMRI Using Parallel Imaging

Nguyen, T., Moeller, S., Goerke, U. & Ugurbil, K., 2006, *Proc 23rd ESMRMB*. p. 622

Correction strategies for segmented spiral imaging at 7 Tesla

Kaiser, A., Nguyen, T., K. Logothetis, N. & Pfeuffer, J., 2006, *Proc 23rd ESMRMB*. p. 683

Activities

2017 IEEE Nuclear Science Symposium and Medical Imaging Conference

Nguyen, T. (Participant)
21. Oct 2017 → 28. Oct 2017

Laboratory Animal Science (EU function ABD)

Nguyen, T. (Participant)
21. Nov 2016 → 25. Nov 2016

PET Segmentation and Quantification

Nguyen, T. (Lecturer)
29. Sept 2016

International symposium: Quantification and Standardisation in Medical and Preclinical Imaging

Nguyen, T. (Participant)
20. Sept 2016 → 22. Sept 2016

RSNA 101st Scientific Assembly and Annual Meeting

Nguyen, T. (Speaker)
29. Nov 2015 → 4. Dec 2015

EANM: European Annual Congress in Nuclear Medicine

Nguyen, T. (Speaker)
10. Oct 2015 → 14. Oct 2015

Career Development Programme for Younger Researchers

Nguyen, T. (Participant)
Oct 2014 → Dec 2014

2-project application - Project management for researchers and Ph.D. students

Nguyen, T. (Participant)
2. Sept 2014 → 19. Sept 2014

Brain-Computer Interface Workshop and Hands-on Seminar: by g.tec medical engineering Austria

Nguyen, T. (Participant)
21. Jun 2013

Forskningens Døgn - Åbent hus arrangement

Nguyen, T. (Organizer)
3. May 2013

ISMRM-ESMRMB Joint Annual Meeting

Nguyen, T. (Participant)
19. May 2007 → 25. May 2007

LabView and Computer-based Measurements Hands-on

Nguyen, T. (Participant)
16. Feb 2007

Seminars at Department of Psychiatry and Psychotherapy

Nguyen, T. (Speaker)
26. Sept 2006

ESMRMB 23rd Annual Scientific Meeting

Nguyen, T. (Participant)
21. Sept 2006 → 23. Sept 2006

Siemens Numaris Software 4.0 Sequence Development

Nguyen, T. (Participant)
12. Sept 2005 → 16. Sept 2005

ISMRM 13th Scientific Meeting and Exhibition

Nguyen, T. (Participant)
7. May 2005 → 13. May 2005

Siemens IDEA Programming course

Nguyen, T. (Participant)
27. Apr 2005

ESMRMB MRI Workshop: Rapid imaging

Nguyen, T. (Participant)

18. Nov 2004 → 20. Nov 2004

Siemens IDEA Programming Users Meeting

Nguyen, T. (Participant)

18. Oct 2004 → 20. Oct 2004