

International Symposium

February 10th-12th, 2020

Groningen, The Netherlands



**IMAGE
GUIDED
THERAPY**



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MEDICAL IMAGING CENTER



IMAGE GUIDED THERAPY

Traditionally, the Medical Imaging Center (consisting of the departments of Radiology and Nuclear Medicine and Molecular Imaging) of the University Medical Center Groningen organizes an International Symposium in Groningen, the Netherlands, every two years. The next International Symposium we will organize February 10-12, 2020, is entitled: “Image Guided Therapy”.

During this International Symposium, the focus will be on how to use all available imaging techniques to guide therapy in the individual patient, now and in the future. This involves not only the different modalities such as MRI, CT, ultrasound, optical imaging, interventional radiology, SPECT/CT, PET/CT, and PET/MRI, but also artificial intelligence, hybrid surgical theatres, proton therapy, new technical camera developments (digital PET/CT), software and hardware for theranostics and quantification possibilities.

The international symposium will thus detail these trends from all the different aforementioned perspectives. Therefore, the symposium provides an unique platform for all involved in medical imaging as well as those interested in technology to be updated on the latest developments. Moreover, it is an opportunity to envision the future, to account for the implications from different points of view and to develop an opinion through the expert lectures and discussion with peers. Additionally, an international panel of experts coming from different fields will discuss the use of these technologies in a way that it is both interesting for professionals working in the field of imaging, but also for clinicians who use these techniques for therapy guiding in their patients.

The programme also includes the ‘Anne Paans’ lecture, the ‘Willem Vaalburg’ lecture, poster pitches and prizes, and a symposium dinner.

We sincerely hope that you may contribute to this international conference and we are looking forward to meet you in February 2020.

Sincerely yours,



Prof. dr. R.A.J.O. Dierckx,
Symposium president

Organizing Committee:

Dr. R.P.H. Bokkers, *chair*

Dr. R.J.H. Borra

Ms. S.I. Evers

Dr. A.W.J.M. Glaudemans

Dr. W. Noordzij, *chair*

Dr. P. Kopschina Feltes

Dr. T.C. Kwee



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PROGRAM INTERNATIONAL SYMPOSIUM
MONDAY-WEDNESDAY 10-12TH FEBRUARY 2020
UNIVERSITY MEDICAL CENTER GRONINGEN
LOCATION: "RED HALL"

DAY 1

8.30-9.30 Registration

9.30-9.40 Formal welcome

9.40-10.00 Opening

Session 1 : New frontiers in Imaging

10.00-10.30 New frontiers in CT

10.30-11.00 New frontiers in MRI

11.00-11.30 New frontiers in PET

11.30-12.00 New frontiers in intervention radiology ("angiorooms")

Session 2: Anne Paans lecture

12.00-12.45 MRI/DWI guided treatment and response assessment

12.45-13.30 Lunch and industry exhibition

Session 3: CT

13.30-14.00 System guided needle placement

14.00-14.30 Ablation bone tumors

14.30-15.00 Ablation tumors of the spine

15.00-15.30 Liver ablations

15.30-16.00 Coffee/tea break

Session 4: Interventional radiology

16.00-16.30 MRI guided interventions

16.30-17.00 Intra-arterial therapies in liver tumors

17.00-17.30 Intra-arterial thrombectomy

17.30-18.00 Fiber optics

18.00-19.00 Poster sessions and industry exhibition

19.00 Walking dinner/reception with sponsors (location: Fonteinpatio)



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DAY 2

8.30-9.30 Registration + coffee

Session 5 : MRI

9.30-10.00 MR Technical developments

10.00-10.20 MR Robotics

10.20-10.40 MR Quantification

10.40-11.00 MR guided focus ultrasound

11.00-11.30 Coffee/tea break and industry exhibition

Session 6: Artificial intelligence

11.30-12.00 Artificial intelligence – the present

12.00-12.30 Artificial intelligence – the future

12.30-13.00 Poster pitches and prizes

13.00-14.00 Lunch and industry exhibition

PARALLEL SESSIONS

Session 7: Minimally non-invasive therapy & diagnostics

14.00-14.30 Hybrid surgical theaters & robotics

14.30-15.00 Interventional cardiology

15.00-15.30 Activated microbubbles

15.30-16.00 Image guided proton therapy

16.00-16.30 Coffee/tea break

Session 9: digital PET/CT...

Digital PET/CT

Experiences oncology digital PET/CT

Experiences cardiology digital PET/CT

Experiences neurology digital PET/CT

Session 8: 3D support

16.30-17.00 3D support in general

17.00-17.30 3D support in head and neck cancer

17.30-18.00 3D support in pelvic fractures

Session 10: ...and beyond

Total body PET

PET/MRI

Water cyclotron

18.30 Symposium dinner (location: Digi bites, Kattendiep)



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DAY 3

8.30-9.30 Registration + coffee

Session 11: New technical PET developments

9.30-10.00 New PET reconstruction methods

10.00-10.30 New image quantification methods

10.30-11.00 Titration of therapy

Session 12: Willem Vaalburg lecture

11.15-12.00 Immuno-PET: the future is now

12.00-13.00 Lunch and industry exhibition

Session 13: Theranostics: technical aspects

13.00-13.30 Hardware for theranostics (SPECT)

13.30-14.00 Software for theranostics

14.00-14.30 New investigational?

14.30-15.00 Coffee/tea break and industry exhibition

Session 14: Theranostics: established/promising

15.00-15.30 Neuro-endocrine tumors

15.30-16.00 Prostate cancer

16.00-16.30 Liver metastases

Session 15: Closure

16.30-17.00 Highlights/take away messages

17.00-17.15 Official farewell

17.15 Farewell drinks



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