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# SCIENTIFIC PROGRAMME



# Thursday, March 18, 2010

15:00 - 16:00 • Opening ceremony

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Copper Hall

## OPENING CEREMONY

Chair: V. Grégoire, Belgium  
W. Knapp, Germany

- 15:15**  
HIGH-TECH MEDICINE IN THE FIGHT AGAINST CANCER - HOW MUCH  
MOLECULAR IMAGING DO WE NEED  
M. Schwaiger (Germany)

# Thursday, March 18, 2010

16:00 - 18:00 • Symposium

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Copper Hall

## NEW PERSPECTIVES AND CHALLENGING ISSUES IN MOLECULAR IMAGING FOR RADIATION ONCOLOGY

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**16:00**

EUROPEAN REGULATIONS ON RADIOPHARMACEUTICALS - A PROFESSIONAL'S PERSPECTIVE

[C. Decristoforo](#) (Austria)

3

**16:30**

CLINICAL TRIAL PROSPECTIVE

[S. Stroobants](#) (Belgium)

# Friday, March 19, 2010

08:45 - 10:30 • Symposium

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Copper Hall

## MULTI-TRACERS FOR MOLECULAR PROFILING

- 4      **08:45**  
TUMOR MICROENVIRONMENT AND CELLULAR ADAPTATION: OPPORTUNITIES FOR IMAGING  
[B. Wouters \(Canada\)](#)
- 5      **09:15**  
HOW TO IMAGE? (TRACERS) STATE OF THE ART AND FUTURE DEVELOPMENT  
[C. Halldin \(Sweden\)](#)
- 6      **09:45**  
HOW TO IMAGE QUANTITATIVELY? STATE OF THE ART AND FUTURE EQUIPMENT DEVELOPMENT  
[R. Boellaard \(Netherlands\)](#)
- 10:15**  
DISCUSSION TIME

# Friday, March 19, 2010

11:00 - 12:30 • Symposium

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Copper Hall

## TRANSLATING MOLECULAR IMAGING INTO CLINICAL PRACTICE

- 7      **11:00**  
THE EGRF STORY FROM A MOLECULAR POINT OF VIEW  
[G. Van Dongen](#) (Netherlands)
- 8      **11:25**  
TUMOR MICROENVIRONMENT INCLUDING HYPOXIA  
[E. Aboagye](#) (United Kingdom)
- 9      **11:50**  
SIMULATION OF HYPOXIA PET TRACER DYNAMICS BASED ON TUMOUR  
TISSUE MICROSECTIONS  
[D. Mönnich](#) (Germany), [D. Thorwarth](#), [E. Troost](#), [J. Kaanders](#), [W. Oyen](#), [M. Alber](#)
- 10     **12:00**  
PET-IMAGING OF HYPOXIA USING 89ZR-LABELED CG250-F(AB')<sub>2</sub>  
[B. Hoeben](#) (Netherlands), [J. Kaanders](#), [P. Laverman](#), [E. Oosterwijk](#), [W. Oyen](#), [O. Boerman](#), [J. Bussink](#)
- 11     **12:10**  
PRECLINICAL EVALUATION OF [18F]HX4, A NOVEL AND PROMISING HY-  
POXIA MARKER FOR PET IMAGING  
[L. Dubois](#) (Netherlands), [N. Lieuwes](#), [M. Janssen](#), [J. Secret](#), [A. Windhorst](#), [G. van Dongen](#), [H. Kolb](#), [M. Öllers](#), [J. Zhang](#), [P. Lambin](#)
- 12     **12:20**  
TARGETING THE LACTATE TRANSPORTER MCT1 INDUCES A METABOLIC  
REARRANGEMENT THAT RADIOSENSITIZES TUMORS  
[P. Sonveaux](#) (Belgium), [F. Végan](#), [M. Dewhirst](#), [O. Feron](#)

Friday, March 19, 2010

14:30 - 16:00 • Symposium

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Copper Hall

TREATMENT SELECTION

- 13      **14:30**  
IMPACT ON DISEASE STAGING BY NEW IMAGING MODALITIES  
[T. F. Hany](#) (Switzerland)
- 14      **14:55**  
TUMOUR BIOLOGY-GUIDED PROGNOSTICATION OF TREATMENT RESPONSE  
[H. Minn](#) (Finland)
- 15      **15:20**  
SCREENING FOR DISTANT METASTASES IN HEAD AND NECK CANCER PATIENTS BY FDG-PET(-CT) TO AVOID FUTILE TREATMENTS  
[R. de Bree](#) (Netherlands), [A. Senft](#), [O. Hoekstra](#), [D. J. Kuik](#), [R. Golding](#), [E. Comans](#), [C. R. Leemans](#)
- 16      **15:30**  
PET TO AVOID FUTILE LARYNGOSCOPIES IN PATIENTS WITH SUSPICION OF RECURRENT LARYNGEAL CARCINOMA AFTER RADIOTHERAPY  
[R. de Bree](#), [L. Van der Putten](#) (Netherlands), [O. Hoekstra](#), [D. J. Kuik](#), [E. Comans](#), [C. R. Leemans](#)
- 17      **15:40**  
ROLE OF 18F-FDG PET/TC IN THE PREDICTION OF RESPONSE TO NEOADJUVANT CHEMOTHERAPY IN ADVANCED GASTRIC CANCER: OUR EXPERIENCE  
[F. Matteucci](#) (Italy), [A. Marzullo](#), [A. Moretti](#), [R. Galassi](#), [F. Lio](#), [A. Moro](#), [P. Morgagni](#), [G. M. verdecchia](#)
- 18      **15:50**  
PRETREATMENT F-MISO HYPOXIC VOLUME IS PROGNOSTIC FOR LOCAL CONTROL AFTER SINGLE DOSE IRRADIATION IN FADU HSCC  
[B. Beuthien-Baumann](#) (Germany), [C. Schütze](#), [R. Bergmann](#), [B. Mosch](#), [A. Yaromina](#), [K. Brüchner](#), [R. Greinke](#), [F. Hessel](#), [H. Thames](#), [D. Zips](#), [P. Mäding](#), [M. Baumann](#)

# Friday, March 19, 2010

16:30 - 18:00 • Symposium

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Copper Hall

## TARGET SELECTION / DELINEATION

- 19      **16:30**  
SEGMENTATION, (AUTO) DELINEATION, 4D PET/CT  
J. Nuyts (Belgium)
- 20      **16:55**  
CLINICAL REQUIREMENTS FOR TARGET VOLUME SELECTION/DELINEATION  
U. Nestle (Germany)
- 21      **17:20**  
USE OF GA-68-DOTATOC PET/CT FOR PLANNING THE STEREOTACTIC RT IN SCULL BASE MENINGIOMAS  
F. Nyuyki (Germany), R. Graf, D. Fahdt, R. Michel, L. Geworski, W. Brenner, M. Plotkin
- 22      **17:30**  
FDG-PET GUIDED IMRT FOR PATIENTS WITH CERVICAL CANCER  
P. Grigsby (USA)
- 23      **17:40**  
IMPACT OF 18-FDG PET STAGING ON TREATMENT PLANNING IN RADIOTHERAPY INCORPORATING ELECTIVE NODAL IRRADIATION FOR NON-SMALL CELL LUNG CANCER: PROSPECTIVE STUDY .  
M. Kolodziejczyk (Poland), L. Kepka, M. Dziuk, A. Zawadzka, N. Szalus, A. Gizewska, K. Bujko
- 24      **17:50**  
FIRST RESULTS FROM LIST MODE BASED TARGET DELINEATION IN HIGH PRECISION RADIOTHERAPY  
I. Ernst (Germany), F. Buether, M. Dawood, P. Kraxner, C. Moustakis, M. Weckesser, O. Schober, K. Schäfers, N. Willich, T. Boelling

Saturday, March 20, 2010

08:30 - 10:00 • Symposium

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Copper Hall

DOSE PAINTING

- 25      **08:30**  
DOSE-REDISTRIBUTION IN NON-SMALL CELL LUNG CANCER: IMAGING  
NEEDS AND FIRST CLINICAL EXPERIENCE  
[D. De Ruyscher](#) (Netherlands)
- 26      **08:55**  
PHYSICAL CONCEPTS/POTENTIAL LIMITATIONS/POTENTIAL ADVANTAGES  
[M. Alber](#) (Germany)
- 27      **09:20**  
INTENSITY-MODULATED RADIOTHERAPY FOR PROSTATE CANCER IMPLE-  
MENTING MOLECULAR IMAGING WITH 18F-CHOLINE PET-CT TO DEFINE A  
SIMULTANEOUS INTEGRATED BOOST  
[M. Pinkawa](#) (Germany), [M. D. Piroth](#), [R. Holy](#), [J. Klotz](#), [S. Nussen](#), [T. Krohn](#), [F. Mottaghy](#),  
[M. J. Eble](#)
- 28      **09:30**  
BIOLOGICAL TARGET VOLUME (BTV) BOOST PHASE II STUDY ON DOSE-  
ESCALATION OF THE HIGH UPTAKE FDG-PET REGIONS INSIDE THE PRI-  
MARY TUMOUR FOR NSCLC: THE TREATMENT PLANNING STRATEGY  
[W. van Elmpt](#) (Netherlands), [S. Petit](#), [A. van der Salm](#), [J. van der Stoep](#), [A. Lakeman](#), [J.](#)  
[J. Sonke](#), [E. Damen](#), [M. Öllers](#), [J. Belderbos](#), [D. De Ruyscher](#)
- 29      **09:40**  
PET-GUIDED DOSE PAINTING FOR MOVING TUMORS OF THE LUNG: A PRE-  
LIMINARY ANALYSIS CONTRASTING 3D AND 4D SCANS  
[M. Aristophanous](#) (USA), [A. Chen](#), [J. Yap](#), [J. Killoran](#), [S. J. Park](#), [R. Berbeco](#)
- 30      **09:50**  
OPTICAL IMAGING OF TUMOR RESPONSE TO RADIATION: PROBING VAS-  
CULAR, CELLULAR AND MOLECULAR CHANGES IN VIVO  
[R. DaCosta](#) (Canada), [M. Leung](#), [E. Chen](#), [P. Lindsay](#), [D. Jaffray](#), [A. Vitkin](#), [R. Hill](#)

# Saturday, March 20, 2010

10:30 - 12:00 • Symposium

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Copper Hall

WHEN, HOW AND WHY MOLECULAR IMAGING FOR RESPONSE EVALUATION AND FOLLOW UP

- 31      **10:30**  
RADIATION ONCOLOGY PERSPECTIVE  
[K. Haustermans](#) (Belgium)
- 32      **10:55**  
NUCLEAR MEDICINE PERSPECTIVE  
[W. Weber](#) (Germany)
- 33      **11:20**  
ROLE OF 11C-CHOLINE PET/CT IN TOMOTHERAPY TREATMENT PLANNING OF LYMPH NODAL RELAPSE IN PROSTATE CANCER PATIENTS  
[M. Picchio](#) (Italy), [F. Alongi](#), [E. Manca](#), [C. Cozzarini](#), [G. Berardi](#), [C. Landoni](#), [L. Gianolli](#), [N. Di Muzio](#), [C. Messa](#)
- 34      **11:30**  
THE ROLE OF 18FDG-PET -CT IN RESPONSE PREDICTION BEFORE, DURING AND AFTER NEOADJUVANT CHEMORADIOTHERAPY FOR RECTAL CANCER.  
[M. Lambrecht](#) (Belgium), [C. Deroose](#), [S. Roels](#), [L. Mortelmans](#), [F. Penninckx](#), [E. Van Cutsem](#), [K. Haustermans](#)
- 35      **11:40**  
FLT-PET-CT FOR EARLY TREATMENT RESPONSE MONITORING IN HEAD AND NECK TUMOURS  
[E. Troost](#) (Netherlands), [J. Bussink](#), [A. Hoffmann](#), [O. Boerman](#), [W. Oyen](#), [J. Kaanders](#)
- 36      **11:50**  
HYPOXIA IMAGING DURING RADIOCHEMOTHERAPY IN PATIENTS WITH LOCALLY ADVANCED HEAD-AND-NECK CANCER  
[D. Zips](#) (Germany), [N. Abolmaali](#), [K. Zöphel](#), [A. Abramyuk](#), [C. Reiffenstuhl](#), [S. Appold](#), [J. Kotzerke](#), [J. Steinbach](#), [M. Baumann](#)

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## POSTERS



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## BIOLOGICAL TREATMENT PLANNING

### Abstract

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- 37 PROMISING NEW ADVANCES TREATED AND DISCOVERY MOLECULAR BIOMARKER IN ADVANCED HEAD AND NECK CARCINOMA  
[A. E. Crisan](#) (Romania), [F. Badulescu](#), [A. Badulescu](#)
- 38 AN ASSESSMENT OF MOTION-BLURRING IN PET-GUIDED TREATMENT PLANNING USING A RADIOBIOLOGICAL ENDPOINT  
[R. Perrin](#) (United Kingdom), [S. Webb](#), [M. Partridge](#)
- 39 APOPTOSIS IMAGING BY PET 18F-ML-10: A POTENTIAL TOOL FOR RADIATION DOSE PAINTING  
[A. Shirvan](#) (Israel), [T. Davidson](#), [A. Allen](#), [A. Reshef](#), [A. Steinmetz](#), [I. Ziv](#)
- 40 BIOLOGICAL IN-SITU DOSE PAINTING FOR IGRT (BIS-IGRT) BY USE OF DRUG-LOADED IMPLANTABLE FIDUCIALS AND SPACERS  
[M. Makrigiorgos](#) (USA), [S. Sridhar](#), [A. D'Amico](#), [P. Nguyen](#), [R. Cormack](#)
- 41 BIOLOGICALLY GUIDED RADIATION THERAPY: QUALITY ASSURANCE AND RESOURCE IMPLICATIONS IN LONGITUDINAL PET/CT STUDIES  
[S. Everitt](#) (Australia), [J. Callahan](#), [T. Kron](#), [R. Hicks](#), [D. Ball](#), [M. Schneider-Kolsky](#), [M. Mac Manus](#)
- 42 COMPARISON BETWEEN CT-TARGET VOLUME DELINEATION AND DIFFERENT METHODS OF FDG-PET TARGET VOLUME DELINEATION FOR RADIOTHERAPY PLANNING OF NSCLC  
[M. Rodari](#) (Italy), [P. Navarria](#), [P. Lattuada](#), [M. Scorsetti](#), [A. Chiti](#)
- 43 DYNAMICS OF HYPOXIA IN HEAD AND NECK CANCER DURING CHEMORADIOTHERAPY EVALUATED WITH [18]F-FLUOROMISONIDAZOLE PET  
[N. Wiedenmann](#) (Germany), [M. Mix](#), [S. Bucher](#), [S. Adebahr](#), [C. Offermann](#), [U. Nestle](#), [W. Weber](#), [A. L. Grosu](#), [M. Hentschel](#)
- 44 PET ASSESSMENT OF TUMOR PROLIFERATION, METABOLISM AND HYPOXIA BEFORE AND DURING RADIOTHERAPY IN PATIENTS WITH NON SMALL CELL LUNG CANCER (NSCLC)  
[B. Dubray](#) (France), [P. VERA](#), [A. Edet-Sanson](#), [P. Bohn](#), [A. Salles](#), [S. Hapdey](#), [I. Gardin](#), [J. Menard](#), [L. Thiberville](#)

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- 45 PET-CT BASED TARGET DELINEATION FOR INTENSITY MODULATED RADIOTHERAPY PLANNING IN A CASE OF CARCINOMA ESOPHAGUS  
[G. Saini](#) (India), [V. Goel](#), [A. Anand](#), [K. Gupta](#), [A. Mishra](#)
- 46 QUANTITATIVE SPECT FOR PRE-THERAPEUTIC ASSESSMENT OF SIR-SPHERES DISTRIBUTION  
[D. Bailey](#) (Australia), [K. Willowson](#), [C. Baldock](#)
- 47 TECHNOLOGY DEVELOPMENT IN THE PLANNING OF PET-FDG AIDED RADIOTHERAPY FOR CHEST CANCER. A JOINT DEPARTMENTAL HISTORY.  
[L. Leonardi](#) (Italy), [G. Testanera](#), [A. Modugno](#), [P. Lattuada](#), [R. Barisonzi](#), [M. Scorsetti](#), [A. Chiti](#)
- 48 TREATMENT REGIMEN DETERMINES WHETHER A HIF-1 INHIBITOR ENHANCES OR INHIBITS THE EFFECT OF RADIATION THERAPY  
[H. Harada](#) (Japan), [S. Itasaka](#), [M. Hiraoka](#)
- 49 USING [18F]FLT-PET IMAGING IN IMRT PLANNING TO AVOID PELVIC BONE MARROW FOR CERVICAL CANCER PATIENTS  
[S. McGuire](#) (USA), [G. Jacobson](#), [Y. Menda](#), [L. Ponto](#), [B. Gross](#), [J. Malik](#), [J. Bayouth](#)
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## DOSE PAINTING

### Abstract

Nb.

- 50 ADAPTATION OF TREATMENT IN RADIATION DOSE PAINTING  
[A. Soevik](#) (Norway), [E. Malinen](#), [D. R. Olsen](#)
- 51 EX VIVO STUDIES AND FIRST CASE REPORTS: PET/CT BASED GOLDEN MARKER IMPLANTATION FOR IMAGE GUIDED HIGH PRECISION RADIOTHERAPY (IGRT) FOR HEAD AND NECK CANCER  
[N. Blumstein](#) (Switzerland), [A. Arnold](#), [T. Krause](#), [C. Candreia](#), [P. Zbären](#), [D. M. Aebersold](#), [M. Schmuecking](#)
- 52 IMAGING FOR DOSE PAINTING – WHAT DO WE NEED TO KNOW?  
[C. South](#) (United Kingdom), [P. Evans](#), [M. Partridge](#)
- 53 IMPACT OF THE ACCURACY OF TUMOR FUNCTIONAL VOLUME DELINEATION ON RADIOTHERAPY TREATMENT PLANNING  
[A. Le Maitre](#) (France), [M. Hatt](#), [C. Cheze Le Rest](#), [N. Albarghach](#), [O. Pradier](#), [D. Visvikis](#)
- 54 IS THERE A ROLE FOR DOSE PAINTING WITHIN THE PROSTATE IN THE PRIMAL THERAPY OF PATIENTS WITH LOCALIZED PROSTATE CANCER USING CHOLINE PET/CT, DYNAMIC MRI AND CAD OR CHOLINE MRS?

## Abstract

Nb.

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W. Tomé (USA), Y. Kim

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THERAPY WITH RADIO LABELLED ANTIBODIES: A PATIENT-SPECIFIC CODE FOR ISODOSE QUANTIFICATION  
M. D'Arienzo (Italy), F. Cicone, L. Chiacchiararelli, F. Scopinaro, V. Brainovich

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A NEW DATA BASED METHOD FOR ACQUIRING RESPIRATORY SIGNAL FROM RAW PET DATA TO BE USED FOR RESPIRATORY GATING  
A. Kesner (Austria)

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EFFECT OF RESPIRATION MOTION ON SUV ASSESSEMENT  
V. Longari (Italy), L. Calabrese, F. Zito, R. Lambertini, R. Leo, M. Rognoni, G. Marotta, P. Gerundini

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IMPACT OF THE IMAGE SPATIAL SAMPLING ON TUMOUR DETECTION IN 18F-FDG PET  
R. Maroy (France), L. Saint Christophe, C. Lartzien, P. Merlet, C. Comtat, R. Trebossen

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INTEGRATION OF 3D MAGNETIC RESONANCE SPECTROSCOPY MAPS INTO TREATMENT PLANNING OF GLIOBLASTOMA  
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## NEW RADIOPHARMACEUTICALS

### Abstract

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BREMSSTRAHLUNG IMAGING OF Y-90-MICROSPHERES SHOWS POOR RESEMBLANCE WITH DISTRIBUTIONS OF TC-99M-MAA IN LIVER

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J. Höggberg (Sweden), M. Rizell, P. Gjertsson, R. Hultborn, O. Henriksson, J. Himmelman, P. Bernhardt

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COMPARISON BETWEEN 18F-CHOLINE UPTAKE AND CHOLINE DETECTION IN MR SPECTROSCOPY IN ONE CASE OF BRAIN TUMOUR  
R. Sghedoni (Italy), A. Gallina, A. Versari, F. Fioroni, A. Nitrosi, D. Salvo, M. Iori, G. Borasi

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## PRE-CLINICAL VALIDATION OF TRACERS

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Nb.

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CT/MR CONTRAST AGENT FOR LONGITUDINAL LOCALIZATION AND DELINEATION OF TARGET STRUCTURES IN IMAGE-GUIDED RADIOTHERAPY  
J. Zheng (Canada), C. Allen, D. Jaffray

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EARLY METABOLOIC FLARE FOLLOWING CYTOTOXIC TREATMENT OF SQUAMOUS CELL CARCINOMA IN VITRO  
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IMAGING HYPOXIA RESPONSE USING FLUORESCENT AND FLUORINE-18 LABELED SULFONAMIDE INHIBITORS OF CA IX  
L. Dubois, N. Lieuwes, J. Secrest, C. Supuran, B. Wouters, H. Kolb, P. Lambin (Netherlands)

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## RESPONSE EVALUATION/FOLLOW UP

### Abstract

Nb.

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18F-FDG PET/CT AS A SELECTION TOOL FOR IMAGE GUIDED RADIOTHERAPY (IGRT) IN PATIENTS WITH RECURRENT OR RESIDUAL OVARIAN CANCER  
C. Blumstein (Switzerland), M. Schmuecking, S. Gebhard, S. Perner, C. Kurzeder, S. Reske, D. M. Aebersold, N. Blumstein

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DIAGNOSTIC PERFORMANCE OF RESPONSE ASSESSMENT FDG-PET/CT IN PATIENTS WITH HEAD & NECK SQUAMOUS CELL CARCINOMA TREATED WITH HIGH-PRECISION DEFINITIVE (CHEMO)RADIATION  
T. Gupta (India), S. Jain, J. P. Agarwal, V. Rangarajan, S. Ghosh-Laskar, K. Dinshaw, N. Purandare

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Nb.

- 69 EARLY PREDICTION OF TREATMENT RESPONSE IN XENOGRAPHS USING QUANTITATIVE DIFFUSION WEIGHTED MRI  
T. Seierstad (Norway), K. Røe, S. Folkvord, K. Flatmark, A. Skretting, D. R. Olsen
- 70 INTRA-TREATMENT FDG POSITRON EMISSION TOMOGRAPHY RESPONSE ASSESSMENT OF ADVANCED HEAD AND NECK CANCER TREATED WITH RADIATION +/- CHEMOTHERAPY  
D. Vena (Canada), I. Poon, M. Kusano, B. Smith, S. Campbell, J. Balogh, R. MacKenzie, D. Enepekides, K. Higgins, J. Davidson, S. Singh, C. Caldwell
- 71 IRON OXIDE PARTICLES COVERED WITH HEXAPEPTIDES TARGETED AT PHOSPHATIDYL SERINE AS MR BIOMARKERS OF TUMOR CELL DEATH  
K. Radermacher (Belgium), S. Boutry, S. Laurent, I. Mahieu, L. Vander Elst, C. Bouzin, J. Magat, V. Grégoire, O. Feron, R. Muller, B. Jordan, B. Gallez
- 72 MOLECULAR IMAGING OF RADIATION RESPONSE IN PRECLINICAL MODELS USING A NOVEL SMALL ANIMAL RADIOTHERAPY SYSTEM  
G. Nelson (USA), M. Vilalta, J. Pérez, M. Bazalova, A. J. Giaccia, E. Graves
- 73 MOLECULAR REMISSION AFTER NEOADJUVANT CHEMORADIATION IN MEDIASTINAL LYMPH NODE METASTASES AS DETECTED BY F-18 FDG PET IN PATIENTS WITH NSCLC  
V. Prasad (Germany), M. Schmuecking, R. P. Baum, C. P. Schneider, N. Presselt, J. Leonhardi, K. Hoeffken, K. M. Mueller, T. G. Wendt, R. Bonnet
- 74 PET SCAN GUIDED INTERSTITIAL BRACHYTHERAPY IN CERVICAL CANCER PATIENTS WITH CLINICALLY SUSPECTED RESIDUAL DISEASE  
D. N. Sharma (India), G. K. Rath, S. Kumar, R. Kumar, P. K. Julka, P. Jagadesan, V. Subramani
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O. Solodyannikova (Ukraine)
- 76 RESPONSE EVALUATION FOLLOWING CHEMORADIATION WITH NELFINAVIR IN PANCREATIC CARCINOMA – IS FDG-PET CT RELIABLE?  
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- 77 STUDY OF THE FOLLOW UP OF SUV AND VOLUME MEASUREMENT OF 18FDG-PET POSITIVE TISSUES DURING RADIOTHERAPY  
K. Doyeux, A. Bak, A. Edet-Sanson, B. Dubray, S. Hapdey, D. Gensanne, P. VERA, I. Gardin (France)

Abstract  
Nb.

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## STAGING AND PREDICTION

Abstract  
Nb.

- 78 18F-FDG PET SUVMAX CORRELATES WITH HISTOLOGIC RESPONSE AFTER RADIATION THERAPY FOR CERVICAL CANCER.  
[J. Leseur](#) (France), [A. Devillers](#), [D. Williaume](#), [E. Le Prisé](#), [C. Fougerou](#), [R. De Crevoisier](#), [E. Garin](#)
- 79 ARE TIMING OF CHEMORADIATION AND EARLY THERAPY RESPONSE AS DETECTED BY F-18 FDG PET PROGNOSTIC FACTORS OF A MULTIMODALITY TREATMENT APPROACH FOR NSCLC STAGE III?  
[R. P. Baum](#) (Germany), [M. Schmuecking](#), [C. P. Schneider](#), [V. Prasad](#), [N. Presselt](#), [J. Leonhardi](#), [K. Hoeffken](#), [K. M. Mueller](#), [T. G. Wendt](#), [R. Bonnet](#)
- 80 F-18 FLUORODEOXYGLUCOSE UPTAKE IN PRIMARY CERVICAL CANCER AND REGIONAL LYMPH NODES PREDICTS PROGNOSIS AFTER RADIATION THERAPY  
[W. Sun](#) (USA), [S. Bhatia](#), [M. Zimmerman](#), [G. Jacobson](#)
- 81 MICROVASCULAR LEAKAGE AND CONTRAST ENHANCEMENT ARE PROGNOSTIC FACTORS IN UNFAVORABLE LOW-GRADE GLIOMAS  
[F. Dhermain](#) (France), [D. Ducreux](#)
- 82 POSITRON EMISSION TOMOGRAPHY (PET) METABOLIC ACTIVITY ASSOCIATED WITH INCREASED RISK OF DEATH IN SUPRAGLOTTIC CARCINOMA PATIENTS TREATED WITH CONCURRENT CHEMORADIATION.  
[W. Skinner](#) (USA), [M. Chamarthy](#), [D. Milstein](#), [M. Haigentz](#), [B. Schiff](#), [R. Smith](#), [S. Kalnicki](#), [M. Garg](#)
- 83 STAGE IIIB OR IV NSCLC LUNG CANCER ON CT, WHAT IS THE POINT OF F-18 FDG PET/CT?  
[J. Birchall](#) (United Kingdom), [M. Kumar](#), [G. McCulloch](#)
- 

## TARGET SELECTION AND DELINEATION

Abstract  
Nb.

- 84 18F-FDG-PET-CT AUTOMATIC TUMOR CONTOURING FOR HEAD AND NECK CANCER RADIOTHERAPY: SIGNAL TO BACKGROUND RATIO METHOD  
[L. A. Perez Romasanta](#) (Spain), [J. Velasco Jiménez](#), [M. Bellón Guardia](#), [E. Lozano Martín](#), [M. Sanz Martín](#), [F. Mendicote León](#), [A. Soriano Castrejón](#)

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