NOTE TO READERS: Some of the external links listed in this review may require an ID and password to allow you to access the content. If this is the case, you can either register yourself to create your own ID and password or use the following: Email or login: cdi.saclay@cisbio.com Password: ibanews

INDUSTRY NEWS
IBA’s New Industry Partnership Will Secure Manufacturing of Radioisotopes for Medical Use in Europe
September 2, 2010 iba-worldwide.com

CARE Bill for Medical Radiation, Imaging Services Introduced
August 6, 2010 Health Imaging News

Report: Molecular Imaging Device Market to Reach $6.6B by 2014
August 20, 2010 Health Imaging News

IBA and Bayer Schering Pharma Sign Clinical Trial Supply Agreement for Alzheimer’s Disease Tracer
August 27, 2010 iba-worldwide.com

CLINICAL NEWS
Personalized Medicine: Molecular Imaging Predicts Treatment Success in Many Cancers
August 31, 2010 snm.org

AJR: Preradiotherapy FDG PET Modifies Treatment in NSCLC
August 15, 2010 Health Imaging News

Study Combines FDG-PET/CT with Circulating Tumor Cell Counts
August 26, 2010 AuntMinnie.com

Combined PET/CT CAD Improves Lung Nodule Detection
August 6, 2010 AuntMinnie.com

LITERATURE REVIEW
Detection of Extra-Axillary Lymph Node Involvement with FDG PET/CT in Patients with Stage II-III Breast Cancer
European Journal of Cancer. 2010 Aug 16

Multiple Primary Malignant Tumors of Upper Gastrointestinal Tract: A Novel Role of 18F-FDG PET/CT

Clinical Utility of PET/CT in the Evaluation of Suspected Recurrent Ovarian Cancer in the Setting of Normal CA-125 Levels

Preclinical and Clinical Evidence that FDG PET with CT is a Reliable Tool for the Detection of Early Molecular Responses to Erlotinib in Head and Neck Cancer
IBA and Bayer Schering Pharma Sign Clinical Trial Supply Agreement for Alzheimer’s Disease Tracer  
August 27, 2010 iba-worldwide.com

IBA Dosimetry Showcases Blue Phantom® Radiation Therapy Commissioning Innovation at AAPM  
July 19, 2010 iba-worldwide.com

IBA Sells Prototype of Next Generation Carbon Therapy System  
September 2, 2010 iba-worldwide.com

IBA Signs a Contract for the New Proton Therapy Center of Cracow, Poland  
August 2, 2010 iba-worldwide.com

IBA’S New Industry Partnership will Secure Manufacturing of Radioisotopes for Medical Use in Europe  
September 2, 2010 iba-worldwide.com

Digirad seeks to expand beyond cardiology marketplace, launches OEM initiative  
August 20, 2010 Health Imaging News

Philips continues to expand its clinical informatics portfolio with the acquisition of CDP business  
August 02, 2010 Competitor’s site

Preferred Imaging Brings Positron Emission Mammography to North Dallas/Plano Area  
August 27, 2010 PRNewswire

Siemens installs SPECT/CT at UK hospital  
August 27, 2010 Health Imaging News

Immunomedics and GE Healthcare collaborate on F-18 peptide labeling  
August 20, 2010 Health Imaging News

Algeta announces first cancer patient treated in phase I/IIa trial of Alpharadin in combination with docetaxel chemotherapy  
August 11, 2010 Competitor’s site

International Isotopes Inc. announces continued progress towards the licensing and construction of its planned uranium de conversion and fluorine extraction processing facility  
August 20, 2010 Competitor’s site

Chalk River Reactor to Undergo Another Extended Outage Next Spring  
August 25, 2010 Health Imaging News

European Commission Proposes Resolutions to Isotope Shortage  
August 9, 2010 Health Imaging News

NRG targets Sept. 9 HFR restart  
August27, 2010 AuntMinnie.com

Report: Molecular Imaging Device Market to Reach $6.6B by 2014  
August 20, 2010 Health Imaging News

Kitware Nets NIH Grant to Improve Biopsy Using PET/CT  
August 5, 2010 Health Imaging News

Imaging Project Launched to Study Central Nervous System  
July 30, 2010 Health Imaging News

Researchers Improve the Process of Making Compounds with 18F  
August 24, 2010 Royal Society of Chemistry

Photo Diagnostic Works to Develop Portable PET Scanner  
August 24, 2010 MassHighTech.com

AJEM: Tort Reform Could Curb ‘Defensive Imaging,’ Study Suggests  
August 26, 2010 AuntMinnie.com

Radiologists Call for Curbs on Overuse of Imaging  
August 24, 2010 AuntMinnie.com

CARE Bill for Medical Radiation, Imaging Services Introduced  
August 6, 2010 Health Imaging News

SNM Applauds Senate’s Introduction of CARE Act  
August 25, 2010 snm.org
**CLINICAL NEWS**

- **Personalized Medicine: Molecular Imaging Predicts Treatment Success in Many Cancers**
  August 31, 2010 snm.org

- **JACC: PET Reveals Higher Glucose Uptake in Visceral Adipose Tissue**
  August 23, 2010 Health Imaging News

- **AJR Review: FDG PET Assesses Lung Inflammation During Acute Lung Injury**
  August 17, 2010 Health Imaging News

- **AJR: Preradiotherapy FDG PET Modifies Treatment in NSCLC**
  August 15, 2010 Health Imaging News

- **JNM: Hybrid PET/MRI of Intracranial Tumors Comparable to PET/CT**
  August 5, 2010 Health Imaging News

- **Study Combines FDG-PET/CT with Circulating Tumor Cell Counts**
  August 26, 2010 AuntMinnie.com

- **Study: FDG Dose Reduction Does Not Affect Quality of PEM Imaging**
  August 24, 2010 AuntMinnie.com

- **PET/CT, Prostate Cancer After Surgery**
  August 30, 2010 SNMsmartbrief

- **Spinal fluid proteins can help diagnose Alzheimer’s**
  August 08, 2010 Reuters.com

- **A new imaging technique creates detailed three-dimensional images of the deadliest form of skin cancer**
  August 12, 2010 GenNews

- **MRI beats FDG-PET for early Alzheimer’s detection**
  August 27, 2010 AuntMinnie.com

- **Researchers Hope to Quell a Surge of Alzheimer’s Cases with New Diagnostic Tools**
  August 24, 2010 The Washington Post

- **Clarifying the Role Of FDG-PET in Managing Cervical Cancer**
  August 27, 2010 Elsevier on GetInsideHealth.com

- **Combined PET/CT CAD Improves Lung Nodule Detection**
  August 6, 2010 AuntMinnie.com

- **JNM: PET/CT and SPECT/CT integral in cancer treatment planning**
  September 2, 2010 Health Imaging News

**PET LITERATURE**

- **FDG BRAIN**
  *Positron Emission Tomography with Pittsburgh Compound B in Diagnosis of Early Stage Alzheimer’s Disease*  

- **FDG PET Helps Show Neurometabolic Correlates of Depression and Disability in Episodic Cluster Headache**

- **Changes in Brain FDG Metabolism Induced by Acupuncture in Healthy Volunteers**
  *Acta Radiologica (Sweden).* 2010 Aug 25

- **F-18 FDG PET Imaging of Chronic Traumatic Brain Injury in Boxers: A Statistical Parametric Analysis**
  *Nuclear Medicine Communications.* 2010 Aug 16

- **A Correlative Study of FDG PET, MRI/CT, Electroencephalography and Clinical Features in Subacute Sclerosing Panencephalitis**
  *Clinical Nuclear Medicine.* 2010 Sep;35(9):675-81.

- **Shortening the Duration of FDG PET Brain Examination for Diagnosis of Brain Glioma**

- **FDG BREAST**
  *(18)F-FDG PET and Biomarkers for Tumour Angiogenesis in Early Breast Cancer*  
PET LITERATURE

Detection of Extra-Axillary Lymph Node Involvement with FDG PET/CT in Patients with Stage II-III Breast Cancer
European Journal of Cancer. 2010 Aug 16

The Role of Ultrasonography and FDG-PET in Axillary Lymph Node Staging of Breast Cancer

FDG GASTROINTESTINAL, ESOPHAGEAL

The Standardized Uptake Value of FDG PET after Chemoradiation and Clinical Outcome in Patients with Localized Gastroesophageal Carcinoma
Oncology. 2010 Aug 11;78(5-6):316-322.

Clinical Evidence on PET-CT for Radiation Therapy Planning in Gastro-Intestinal Tumors

Multiple Primary Malignant Tumors of Upper Gastrointestinal Tract: A Novel Role of 18F-FDG PET/CT

FDG GYNECOLOGICAL

Recurrent Ovarian Cancer: Use of Contrast-enhanced CT and PET/CT to Accurately Localize Tumor Recurrence and to Predict Patients’ Survival

FDG-PET/CT in Advanced Ovarian Cancer Staging: Value and Pitfalls in Detecting Lesions in Different Abdominal and Pelvic Quadrants Compared with Laparoscopy

Clinical Utility of Positron Emission Tomography/Computed Tomography in the Evaluation of Suspected Recurrent Ovarian Cancer in the Setting of Normal CA-125 Levels

Spectrum of FDG PET/CT Findings of Uterine Tumors.

Detection of Recurrence by F-FDG PET in Patients with Endometrial Cancer Showing No Evidence of Disease

Low-Dose Non-Enhanced CT Versus Full-Dose Contrast-Enhanced CT in Integrated PET/CT Studies for the Diagnosis of Uterine Cancer Recurrence

FDG HEAD AND NECK, THYROID

Clinical Evidence on PET-CT for Radiation Therapy Planning in Head and Neck Tumours.
Radiotherapy & Oncology. 2010 Aug 12.

Preclinical and Clinical Evidence that FDG PET with CT is a Reliable Tool for the Detection of Early Molecular Responses to Erlotinib in Head and Neck Cancer

Incidental Thyroid Carcinoma by FDG-PET/CT: A Study of Clinicopathological Characteristics

FDG PET/CT in Anaplastic Thyroid Cancer

The Role of TSH for 18F-FDG-PET in the Diagnosis of Recurrence and Metastases of Differentiated Thyroid Carcinoma with Elevated Thyroglobulin and Negative Scan: A Meta-Analysis

FDG LUNG

The Utility of the Nonattenuation Corrected 18F-FDG PET Images in the Characterization of Solitary Pulmonary Lesions

Is 18F-FDG PET/CT Useful for the Early Prediction of Histopathologic Response to Neoadjuvant Erlotinib in Patients with Non-Small Cell Lung Cancer?

Excessive Aortic Inflammation in Chronic Obstructive Pulmonary Disease: An 18F-FDG PET Pilot Study
FDG LYMPHOMA
- Benefit of Consolidative Radiation Therapy in Patients With Diffuse Large B-Cell Lymphoma Treated With R-CHOP Chemotherapy
- Diagnostic and Prognostic Impact of (18)F-FDG PET/CT in Follicular Lymphoma
- 18F-FDG PET After 2 Cycles of ABVD Predicts Event-Free Survival in Early and Advanced Hodgkin Lymphoma
- 18F-FDG PET/CT Evaluation of Lymphoma with Renal Involvement: Comparison with Renal Carcinoma

FDG OTHER
- Whole-Body 18F FDG-PET/CT: The Need for a Standardized Field of View—A Referring-Physician Aid
- Reproducibility of 18F-FDG and 3'-Deoxy-3'-18F-Fluorothymidine PET Tumor Volume Measurements
- FDG Uptake of Bone Marrow on PET/CT Scan: Its Correlation with CD38/CD138 Expressing Myeloma Cells in Bone Marrow of Patients with Multiple Myeloma

NON-FDG
- FLUOROCHOLINE
  Pilot Comparison of F-Fluorocholine and F-Fluorodeoxyglucose PET/CT with Conventional Imaging in Prostate Cancer
- Differentiation of Hepatocellular Adenoma and Focal Nodular Hyperplasia Using (18)F-Fluorocholine PET/CT.
- Rodent rhabdomyosarcoma: comparison between total choline concentration at H-MRS and [18F]-fluoromethylcholine uptake at PET using accurate methods for collecting data.
  Molecular imaging and biology: MiB: the official publication of the Academy of Molecular Imaging, 2010, 12 (4): 415-23

FLUORODOPA
- Recent Advances in PET Imaging for Evaluation of Parkinson’s Disease
- Malignant pheochromocytomas and paragangliomas - The importance of a multidisciplinary approach.
  Cancer treatment reviews, 2010, epub
- Gaucher disease ascertained through a Parkinson’s center: imaging and clinical characterization.
- Nuclear molecular imaging of paragangliomas
  [Imagerie moléculaire nucléaire des paragangliomes]
  Médecine Nucléaire Volume 34, Issue 8, August 2010, Pages 451-456

FLUOROTHYMIDINE
- Induction of Thymidine Kinase 1 After 5-Fluorouracil as a Mechanism for 3'-Deoxy-3'-(18)F)Fluorothymidine Flare
- Different Modes of Transport for 3H-Thymidine, 3H-FLT, and 3H-FMAU in Proliferating and Nonproliferating Human Tumor Cells
- Biodistribution and Uptake of 3'-Deoxy-3'-Fluorothymidine in ENT1-Knockout Mice and in an ENT1-Knockdown Tumor Model.
- PET for radiation treatment planning of brain tumours.
  Radiotherapy and oncology: journal of the European Society for Therapeutic Radiology and Oncology, 2010, epub
- Reproducibility of 18F-FDG and 3'-Deoxy-3'-18F-Fluorothymidine PET Tumor Volume Measurements.
  Journal of nuclear medicine: official publication, Society of Nuclear Medicine, 2010, epub
- Anti-Angiogenic/Vascular Effects of the mTOR Inhibitor Everolimus Are Not Detectable by FDG/FLT-PET.
  Translational oncology, 2010, 3 (4): 264-75
**PET LITERATURE**

**Extradural haematopoiesis imaging with 18F-FLT PET.**
European journal of nuclear medicine and molecular imaging, 2010, 37 (8): 1620

**SODIUM FLUORIDE**
Guidelines for paediatric bone scanning with 99mTc-labelled radiopharmaceuticals and 18F-fluoride.
European journal of nuclear medicine and molecular imaging, 2010, 37 (8): 1621-8

**18F-fluoride PET/CT for detection of sacroiliitis in ankylosing spondylitis.**
European journal of nuclear medicine and molecular imaging, 2010, 37 (9): 1760-5

**RUBIDIUM**
Single-Phase CT Aligned to gated PET for Respiratory Motion correction in Cardiac PET/CT

**OTHER**
Functional Oestrogen Receptor Alpha Imaging in Endometrial Carcinoma Using 16alpha-[(18)F]Fluoro-17beta-Oestradiol PET

Parametric mapping of [(18)F]fluoromisonidazole positron emission tomography using basis functions.

Noninvasive assessment of tumor microenvironment using dynamic contrast-enhanced magnetic resonance imaging and 18F-fluoromisonidazole positron emission tomography imaging in neck nodal metastases.

Feasibility of 90Y TOF PET-based dosimetry in liver metastasis therapy using SIR-Spheres.
European journal of nuclear medicine and molecular imaging, 2010, 37 (9): 1654-62

**68Ga-DOTATATE PET/CT for the Early Prediction of Response to Somatostatin Receptor-Mediated Radionuclide Therapy in Patients with Well-Differentiated Neuroendocrine Tumors.**
Journal of nuclear medicine: official publication, Society of Nuclear Medicine, 2010, epub

Optimal buffer choice of the radiosynthesis of (68)Ga-Dotatoc for clinical application.
Nuclear medicine communications, 2010, 31 (8): 753-8

Evaluation of copper-64 labeled AmBAsar conjugated cyclic RGD peptide for improved MicroPET imaging of integrin alphavbeta3 expression.
Bioconjugate chemistry, 2010, 21 (8): 1417-24

**SPECT LITERATURE**

**SPECT & CARDIOLOGY**
Normal Myocardial Perfusion SPECT Database for the Spanish Population.
Revista espanola de cardiologia, 2010, 63 (8): 934-942

Prediction of long-term reverse left ventricular remodeling after revascularization or medical treatment in patients with ischemic cardiomyopathy: a comparative study between SPECT and MRI.
The international journal of cardiovascular imaging, 2010, epub

Coronary Artery Phenotypes in Subjects With Negative Myocardial Perfusion Imaging and Typical Angina Pectoris.
The American journal of the medical sciences, 2010, epub

Diagnostic value of SPECT versus SPECT/CT in femoral avascular necrosis: preliminary results.
Nuclear medicine communications, 2010, epub

Early detection of acute posterior myocardial infarction using body surface mapping and SPECT scanning.
Coronary artery disease, 2010, epub

Application of appropriateness criteria to stress single photon emission computed tomography sestamibi studies: A comparison of the 2009 revised appropriateness criteria to the 2005 original criteria.
American heart journal, 2010, 160 (2): 244-9

Assessment of left ventricular dyssynchrony in patients with coronary artery disease during adenosine stress using ECG-gated myocardial perfusion single-photon emission computed tomography.
Nuclear medicine communications, 2010, epub
Automated detection of left ventricular dyskinesis by gated blood pool SPECT.  
Nuclear medicine communications, 2010, epub

Noninvasive quantification of coronary endothelial function by SPECT imaging in children with a history of Kawasaki disease.  
European journal of nuclear medicine and molecular imaging, 2010, epub

Comparison of global and regional abnormalities in 99mTc-sestamibi and cardiac magnetic resonance imaging in dilated cardiomyopathy.  
Journal of cardiac failure, 2010, 16 (8): 641-8

Kinetic characterization of a novel cationic (99m)Tc(I)-tricarbonyl complex, (99m)Tc-15C5-PNP, for myocardial perfusion imaging.  
Journal of nuclear cardiology: official publication of the American Society of Nuclear Cardiology, 2010, epub

Comparison of stress perfusion MRI and SPECT for detection of myocardial ischemia in patients with angiographically proven three-vessel coronary artery disease.  

Prognostic study of cardiac and renal events in Japanese patients with chronic kidney disease and cardiovascular risk using myocardial perfusion SPECT: J-ACCESS 3 study design.  
Therapeutic apheresis and dialysis: official peer-reviewed journal of the International Society for Apheresis, the Japanese Society for Apheresis, the Japanese Society for Dialysis Therapy, 2010, 14 (4): 379-85

Prognostic value of post-ischemic stunning as assessed by gated myocardial perfusion single-photon emission computed tomography: a subanalysis of the J-ACCESS study.  

The consequences of a new software package for the quantification of gated-SPECT myocardial perfusion studies.  
European journal of nuclear medicine and molecular imaging, 2010, 37 (9): 1736-44

Detection of myocardial perfusion abnormalities: standard dual-source coronary computed tomography angiography versus rest/stress technetium-99m single-photon emission CT.  

Impaired cardiac sympathetic innervation and myocardial perfusion are related to lethal arrhythmia: quantification of cardiac tracers in patients with ICDs.  

123I-metaiodobenzylguanidine imaging in the era of implantable cardioverter defibrillators: beyond ejection fraction.  

Three-dimensional echocardiography and (153)Sm-EDTMP SPECT/CT in extensive cardiac metastases from osteosarcoma.  
European journal of nuclear medicine and molecular imaging, 2010, epub

Proposal for standardization of 123I-metaiodobenzylguanidine (MIBG) cardiac sympathetic imaging by the EANM Cardiovascular Committee and the European Council of Nuclear Cardiology.  
European journal of nuclear medicine and molecular imaging, 2010, 37 (9): 1802-12

Cardiac autonomic neuropathy in patients with diabetes and no symptoms of coronary artery disease: comparison of 123I-metaiodobenzylguanidine myocardial scintigraphy and heart rate variability.  
European journal of nuclear medicine and molecular imaging, 2010, 37 (9): 1698-705

Evaluation of new positively charged 11- and 12-carbon 99mTc-labeled fatty acid derivatives for myocardial imaging  

Reply to ‘Assessment of diastolic function using 16-frame (201)Tl-gated myocardial perfusion SPECT’  
Annals of nuclear medicine, 2010, epub

Contribution of the fusion of myocardial perfusion SPECT and CT coronary angiography [L’apport de la fusion scintigraphie myocardique-scanner coronar]  
Médecine Nucléaire Volume 34, Issue 8, August 2010, Pages 485-489

SPECT & NEUROLOGY

Psychiatry and clinical neurosciences, 2010, epub

Does reduced [(123)I]-FP-CIT binding in Huntington’s disease suggest pre-synaptic dopaminergic involvement?  
Clinical neurology and neurosurgery, 2010, epub

Molecular Imaging of the Dopamine Transporter.  
Journal of nuclear medicine: official publication, Society of Nuclear Medicine, 2010, epub
**SPECT LITERATURE**

### FMR1 gene expansion and scans without evidence of dopaminergic deficits in parkinsonism patients.

*Parkinsonism & related disorders, 2010, epub*

### Evaluation of both perfusion and atrophy in multiple system atrophy of the cerebellar type using brain SPECT alone.

*BMC medical imaging, 2010, 10 (1): 17*

### Study on retinal dopamine transporter in form deprivation myopia using the radiopharmaceutical tracer 99mTc-TRODAT-1.

*Nuclear medicine communications, 2010, epub*

### Confirmation rate of blinded (99m)Tc-SPECT compared to neurochemical dementia biomarkers in CSF in patients with Alzheimer disease.

*Journal of neural transmission (Vienna, Austria: 1996), 2010, epub*

### Neuroimaging techniques in epilepsy.

*Hong Kong medical journal = Xianggang yi xue za zhi / Hong Kong Academy of Medicine, 2010, 16 (4): 292-8*

### Neuroimaging in the Clinical Diagnosis of Dementia: Observations from a Memory Disorders Clinic.

*Journal of the American Geriatrics Society, 2010, epub*

### Midbrain SERT in degenerative parkinsonisms: A 123I-FP-CIT SPECT study.

*Movement disorders: official journal of the Movement Disorder Society, 2010, epub*

### Analysis of SPECT brain images for the diagnosis of Alzheimer’s disease based on NMF for feature extraction.

*Neuroscience letters, 2010, 479 (3): 192-6*

### Normal cerebrovascular reactivity in Stroke-like Migraine Attacks after Radiation Therapy syndrome.

*Clinical nuclear medicine, 2010, 35 (8): 583-5*

### Interobserver reproducibility of the interpretation of I-123 FP-CIT single-photon emission computed tomography.

*Nuclear medicine communications, 2010, 31 (8): 717-25*

### PET and SPECT imaging of the NMDA receptor system: an overview of radiotracer development.

*Mini reviews in medicinal chemistry, 2010, 10 (9): 870-86*

### Dopaminergic neuronal integrity in parkinsonism associated with liver cirrhosis.

*Neurotoxicology, 2010, 31 (4): 351-5*

### The SPECT tracer [123I]ADAM binds selectively to serotonin transporters: a double-blind, placebo-controlled study in healthy young men.

*European journal of nuclear medicine and molecular imaging, 2010, 37 (8): 1507-11*

### Current themes in neuroimaging of epilepsy: brain networks, dynamic phenomena, and clinical relevance.

*Clinical neurophysiology: official journal of the International Federation of Clinical Neurophysiology, 2010, 121 (8): 1153-75*

### SPECT & ONCOLOGY

**SPECT & BONE**

Optical advances in skeletal imaging applied to bone metastases.

*Bone, 2010, epub*

### Imaging modalities to access bony tumors and hyperplasic reactions of the temporomandibular joint.


### The diagnostic utility of the flare phenomenon on bone scintigraphy in staging prostate cancer.

*European journal of nuclear medicine and molecular imaging, 2010, epub*

### Guidelines for paediatric bone scanning with 99mTc-labelled radiopharmaceuticals and 18F-fluoride.

*European journal of nuclear medicine and molecular imaging, 2010, 37 (8): 1621-8*

### Patterns in bone SPECT/CT. An integrated diagnostic pathway in hybrid imaging [Démarche sémiologique en TEMP/TDM osseuse. Une approche diagnostique intégrée de l’imagerie hybride]

*Médecine Nucléaire Volume 34, Issue 8, August 2010, Pages 490-511*

### SPECT & BRAIN

**Brain Perfusion in Adult Patients with Acute Myeloblastic Leukemia before and after Cytosine Arabinoside.**

*Molecular imaging and biology: MIB: the official publication of the Academy of Molecular Imaging, 2010, epub*

### Recovered neuronal viability revealed by iodine-123-jomazenil SPECT following traumatic brain injury.

Prospective study of p-[(123)I]iodo-L-phenylalanine and SPECT for the evaluation of newly diagnosed cerebral lesions: specific confirmation of glioma.
European journal of nuclear medicine and molecular imaging, 2010, epub

Investigation of blood perfusion and metabolic activity of brain tumours in adults by using 99mTc-methoxyisobutylisonitrile.
Nuclear medicine communications, 2010, epub

SPECT & BREAST
A self-assembled multimodal complex for combined pre- and intraoperative imaging of the sentinel lymph node.
Nanotechnology, 2010, 21 (35): 355101

Current status of sentinel lymph-node biopsy in patients with breast cancer.
European journal of nuclear medicine and molecular imaging, 2010, epub

Comparison of efficacy of Tc-99m HIG and Tc-99m nanocolloid on sentinel lymph node mapping in patients with breast cancer.
Nuclear medicine communications, 2010, epub

Synthesis of (99m)Tc-EC-AMT as an imaging probe for amino acid transporter systems in breast cancer.

SPECT & DIABETES
Silent ischemia in relation to insulin resistance in normotensive prediabetic adults: early detection by single photon emission computed tomography (SPECT).
The international journal of cardiovascular imaging, 2010, epub

Prognostic value of gated myocardial perfusion imaging for asymptomatic patients with type-2 diabetes: The J-ACCESS 2 investigation.
Diabetes care, 2010, epub

Are diabetic patients less likely to feel angina than nondiabetic controls for a given extent of myocardial ischaemia?

SPECT & ENDOCRINOLOGY
Sodium iodide symporter (NiS)-mediated radiovirotherapy for pancreatic cancer.

Our experience in thymic hyperplasia using 67Ga-citrate, 111In-pentetreotide and 201Tl-chloride.
European journal of nuclear medicine and molecular imaging, 2010, 37 (8): 1616

Nuclear medicine multimodal imaging of endocrine digestive tumors [Médecine nucléaire et imagerie multimodalités des tumeurs endocrines]
Médecine Nucléaire Volume 34, Issue 8, August 2010, Pages 444-450

Nuclear molecular imaging of paragangliomas [Imagerie moléculaire nucléaire des paragangliomes]
Médecine Nucléaire Volume 34, Issue 8, August 2010, Pages 451-456

SPECT & GASTROENTEROLOGY
(99m)Tc-labelled macroaggregated albumin (MAA) scintigraphy for planning treatment with (90)Y microspheres.
European journal of nuclear medicine and molecular imaging, 2010, epub

SPECT & INFLAMMATION
Detection of low-grade prosthetic joint infections using 99mTc-antigranulocyte SPECT/CT: initial clinical results.
European journal of nuclear medicine and molecular imaging, 2010, 37 (9): 1751-9

Specificity of 99mTc-UBI for detecting infection foci in patients with fever in study.
Nuclear medicine communications, 2010, epub

Clinical trial of specific imaging of infections.
Nuclear medicine communications, 2010, 31 (8): 726-33

SPECT & LUNG
Functional lung assessment with radionuclides in paediatric respiratory diseases: a useful, underutilized test in nuclear medicine?
Nuclear medicine communications, 2010, epub

SPECT & LYMPHATIC SYSTEM
Added value of intraoperative real-time imaging in searches for difficult-to-locate sentinel nodes.
**SPECT LITERATURE**

**Technological innovation in the sentinel node procedure: towards 3-D intraoperative imaging.**
European journal of nuclear medicine and molecular imaging, 2010, 37 (8): 1449-51

**SPECT & SHORTAGE OF RADIOISOTOPES**
99Mo/99mTc generator shortage: free, Web-based software.
Journal of nuclear medicine: official publication, Society of Nuclear Medicine, 2010, 51 (8): 14N-15N

**THERAPY LITERATURE**

**RADIOIMMUNOTHERAPY**

Conventional and pretargeted radioimmunotherapy using bismuth-213 to target and treat non-Hodgkin lymphomas expressing CD20: a preclinical model toward optimal consolidation therapy to eradicate minimal residual disease.
Blood, 2010, epub

Epidermal growth factor receptor-targeted radioimmunotherapy of human head and neck cancer xenografts using 90Y-labeled fully human antibody panitumumab.
Molecular cancer therapeutics, 2010, 9 (8): 2297-308

Radioimmunotherapy is more effective than antifungal treatment in experimental cryptococcal infection.

Multimodal treatment options for bilobar colorectal liver metastases.

Dose fractionation in 131I-metaiodobenzylguanidine (MIBG) therapy: should the tumour biology and intent of therapy be the guide?
European journal of nuclear medicine and molecular imaging, 2010, 37 (9): 1798-9

Synthesis and biodistribution studies of 177Lu-trastuzumab as a therapeutic agent in the breast cancer mice model

**METABOLIC THERAPY**
Tandem dosing of samarium-153 ethylenediamine tetramethylene phosphoric acid with stem cell support for patients with high-risk osteosarcoma.
Cancer, 2010, epub

Radioactive synovectomy with Yttrium citrate in haemophilic synovitis: Brazilian experience.

**RADIOIODINE THERAPY**
Sodium iodide symporter (NIS)-mediated radioiodoiotherapy for pancreatic cancer.

Multimodal treatment options for bilobar colorectal liver metastases.

In vivo formation of gamma-H2AX and 53BP1 DNA repair foci in blood cells after radiiodine therapy of differentiated thyroid cancer.
Journal of nuclear medicine: official publication, Society of Nuclear Medicine, 2010, 51 (8): 1318-25

Dose fractionation in 131I-metaiodobenzylguanidine (MIBG) therapy: should the tumour biology and intent of therapy be the guide?
European journal of nuclear medicine and molecular imaging, 2010, 37 (9): 1798-9

Judicious use of recombinant TSH in the management of differentiated thyroid carcinoma.
Annals of nuclear medicine, 2010, epub

The effect of external beam radiotherapy volume on locoregional control in patients with locoregionally advanced or recurrent nonanaplastic thyroid cancer.
Radiation oncology (London, England), 2010, 5 (): 69

Molecular targeted therapies for patients with refractory thyroid cancer.
Clinical oncology (Royal College of Radiologists (Great Britain)), 2010, 22 (6): 448-55
New SNM Publication Sets Guidelines For Use of PET Across Cancer Therapies: Ensuring the Best in Patient Management

JNM Supplement Now Available – Molecular Imaging of Cancer: from Molecules to Humans

SNM Offers Diagnostic CT and PET/CT Cases

Aunt Minnie and Promedica Offer Online CME Courses

SNM Offers “Clinical and Molecular Imaging of the Brain” Online Lecture

ACR - Fundamentals of Molecular Imaging

American Board of Radiology Listings

ACR Accreditation of Nuclear Medicine and PET Imaging Departments

Journal of Nuclear Medicine Technology Volume 34, Number 1, 2006 18-24

PET Learning Center Online Exams

SNM Releases Two New Cardiac MOC Modules - Cardiac PET Imaging and Cardiac Stress Testing & ECG Interpretation

SNM Webinar: 1/5/2010 “Image Co-registration”
Ryan Park, USC Molecular Imaging Center

SNM Webinar: 2/12/2010 “Reporting Guidelines: FDG PET/CT in Oncology”
Eric Rohren, MD, PhD, M.D. Anderson Cancer Center

AMI’s ACE™ Awareness, Communication and Education Program to Promote PET Imaging


Recorded Webinar: Multimodality Imaging for Radiation Oncology – James J. Urbanic, M.D.
Sponsored by GE Healthcare

David W. Lee, Ph.D., Presenter
Friday, February 26, 2010 1:00PM

Academy of Molecular Imaging: PET Ace Program: Oncologic & Cardiac PET Resources For Diagnostic Excellence

SNM Webinar Series: The Language of Clinical Trials
March 23, 2010, Lisa Ann Trembath, CNMR, RT(N), BA

AMI Imaging For Impact Webinar Series: PET/CT for Colorectal and Esophageal Cancers and Radiation Therapy
April 27, 2010; 3:00 PM EDT – Dwight E. Heron, MD, FACRO

JNM: New Supplement Examines Advances in Cardiovascular Molecular Imaging
May 2, 2010 Health Imaging News

IBA ‘Make a Difference’ Education Learning Series:
Clinical Focus “PET & PET/CT for Breast Cancer”, with Daniel Pryma, M.D.
September 29, 2010 3:00PM EDT

IBA ‘Make a Difference’ Education Learning Series:
Clinician Focus “PET & PET/CT for Breast Cancer”, with Robert Bridwell, M.D.
September 29, 2010 3:00PM EDT

IBA ‘Make a Difference’ Education Learning Series
Clinician Focus “PET & PET/CT for Breast Cancer”, with Robert Bridwell, M.D.
September 29, 2010 3:00PM EDT
Single Photon Emission Computed Tomography: Nuclear Medicine, Tomography, Gamma Ray, Gamma Camera, Radionuclide, Radioligand, Radiopharmacology, Radiography
Lambert M. Surhone, Miriam T. Timpledon, Susan F. Marseken, Betascript Publishing, February 2010

Management of rare adult tumours
Belkacemi, Yazid; Mirimanoff, René-Olivier; Ozsahin, Mahmut (Eds.), 1st Edition., 2010, VIII, 600 p., Softcover

Learning Cardiac Imaging Series: Learning Imaging

Interventional Breast Imaging
Uwe Fischer et Friedemann Baum avrıl 2010); Thieme Publishing Group Pub. Date: 4/2010; 264 pp

99mTc-sestamibi: Clinical Applications

Musculoskeletal Imaging
Philip Conaghan, Philip O'Connor, et David Isenberg; Oxford University Press; Pub. Date: 3/2010; 480 pp

Image-Guided Radiation Therapy in Lymphoma Management: The Increasing Role of Functional Imaging
Roger M. Macklis et Peter S. Conti; Informa Healthcare; Pub. Date: 3/2010; 90 pp

Thoracic Imaging
Michael Galanski; Thieme Publishing Group; Pub. Date: 3/2010; 368 pp

Nuclear Cardiology Technology Study Guide (VOICE)

PET/CT
Ottmar Schober, Walter Heindel; Thieme Publishing Group
Date: 4/2010

New Publication Focuses on Molecular Imaging and Cardiovascular Conditions
JNM May 2010 Supplement: Multimodality Molecular Imaging of the Cardiovascular System

ECRR 2010 Recommendations of the European Committee on Radiation Risk: The Health Effects of Exposure to Low Doses of Ionizing Radiation
Chris Busby, Dr. Rosalie Bertell, Inge Schmitz Feuerhake, et Alexey V. Yablokov; European Committee on Radiation Risk
Date: 5/2010

SPECT: Basic Science and Clinical Applications
Dale L. Bailey et Steven R. Meikle; Springer
Date: 5/2010

Molecular Imaging With Reporter Genes
Sanjiv Sam Gambhir and Shahriar S. Yaghoubi, Series: Cambridge Molecular Imaging Series
Date: 5/2010

Clinical Nuclear Cardiology: State of the Art and Future Directions: Expert Consult
Barry L. Zaret and George A. Beller, Elsevier
Date: 5/2010, 896 p.

Patellofemoral Pain, Instability, and Arthritis: Clinical Presentation, Imaging, and Treatment
Stefano Zaffagnini, David Dejour, and Elizabeth A. Arendt, Springer
Date: 5/2010, 344p.

Breast Imaging Review: A Quick Guide to Essential Diagnoses
Biren A. Shah, Gina M. Fundaro, and Sabala Mandava, Springer
Date: 5/2010, 238 p.

Brain & Spine Imaging
Chi-Shing Zee, AMIRSYS
Date: 5/2010

Nuclear Medicine Radiation Dosimetry: Advanced Theoretical Principles
Brian J McParland, Springer

Diagnostic Imaging: Head & Neck
Harnsberger, Glastonbury, Michel & Koch, Sept. 2010 Amirsys
BOOK REVIEW

Basic Radiation Oncology
M. Beyzadeoglu, Gokhan A-Zyigit, et Cyneyt Ebruli; June 2010; Springer

SNMTS PET Study Guide
snm.org

Nuclear Medicine Cases
Joseph Rajendran et Vivek Manchanda; August 2010;

Atlas of Nuclear Cardiology
Manuel Cerqueira, MD; July 2010; Saunders

PET in CNS Disease
Andrew Newberg, MD, Abass Alavi, MD; June 2010; Saunders

EVENTS

SEPTEMBER 2010

9/11-16 14th International Thyroid Congress – Paris, France
ATA - American Thyroid Association and ETA - European Thyroid Association

9/11-16 29th Annual ESTRO Meeting – Barcelona, Spain
ESTRO - European Society for Therapeutic Radiology and Oncology

9/18-22 10th Congress of the World Federation of Nuclear Medicine & Biology - Cape Town, South Africa
Sponsored by: WFNMB - World Federation of Nuclear Medicine & Biology

9/20-22 ACR-Dartmouth PET/CT Course – Reston, VA
Sponsored by American College of Radiology and Dartmouth-Hitchcock Medical Center

Sponsored by: ASNC - American Society of Nuclear Cardiology

9/24-26 PET-CT Update: Radiation Therapy Planning & Evaluating Response to Therapy Meeting – San Diego, CA
Sponsored by American College of Radiology

9/26-29 Radiology Business Management Association 2010 Fall Educational Conference – Austin, TX

9/28-10/02 ACRIN Fall Meeting – Arlington, USA
ACRIN - American College of Radiology Imaging Network

OCTOBER 2010

10/1-3 ASCO 2010 Breast Cancer Symposium – Washington, DC
Sponsored by ASCO, ASBD, ASBS, ASTRO, NCBC, SSO

10/1-3 SNM Central & Missouri Valley Chapters Joint Meeting – St. Louis, MO

10/3-7 American College of Surgeons – Washington, DC

10/4-6 International Cancer Imaging Society (ICIS) meeting - Edinburgh, Scotland
Sponsored by ICIS - International Cancer Imaging Society,

10/4-9 Radiology in Sicily – Taormina and Palermo, Italy
Sponsored by Radiology International, Inc.

10/9 Mid-Eastern Chapter SNM Fall Meeting – Dover, DE

10/14-17 Mt. Sinai Update 2010: Brain, Spine, Neurovascular & ENT Imaging – New York, NY
Sponsored by The International Institute iiCME

10/14-17 International Conference on Radiation Protection in Medicine – Varna, Bulgaria
Sponsored by: IAEA - International Atomic Energy Agency

10/14-17 2nd SANTRO Symposium (Sino-American Network for Therapeutic Radiology and Oncology) – Hangzhou, China
Sponsored by: SANTRO (Sino-American Network for Therapeutic Radiology and Oncology) and CSTRO (Chinese Society of Therapeutic Radiology and Oncology)

10/16 PET/CT Case Review Workshop – New York, NY
Co-sponsored by SNM & New York Roentgen Society
<table>
<thead>
<tr>
<th>Event Date</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>10/16-20</td>
<td>Annual Congress of the European Association of Nuclear Medicine 2010 – Vienna, Austria</td>
</tr>
<tr>
<td></td>
<td>Sponsored by: EANM - European Association of Nuclear Medicine</td>
</tr>
<tr>
<td>10/17-20</td>
<td>Joint international conference of the 7th supercomputing in nuclear application and the 3rd monte carlo - Tokyo, Japan</td>
</tr>
<tr>
<td>10/18-22</td>
<td>UCSF Radiology Highlights – San Francisco, CA</td>
</tr>
<tr>
<td></td>
<td>Sponsored by UCSF Department of Radiology</td>
</tr>
<tr>
<td>10/19-21</td>
<td>AHRA 2010 Fall Conference – Savannah, GA</td>
</tr>
<tr>
<td>10/21-24</td>
<td>35th Annual SNM Western Chapter Meeting – Garden City, CA</td>
</tr>
<tr>
<td>10/22-23</td>
<td>Maximizing Value in Radiology through Quality and Safety Improvements – Phoenix, AZ</td>
</tr>
<tr>
<td></td>
<td>Sponsored by American College of Radiology</td>
</tr>
<tr>
<td>10/22-24</td>
<td>SNM Northeast Regional Meeting – Philadelphia, PA</td>
</tr>
<tr>
<td>10/23</td>
<td>SEMATA Nuclear Medicine Seminar – Warren, MI</td>
</tr>
<tr>
<td>10/27-31</td>
<td>Economics of Diagnostic Imaging 2010 National Symposium – Arlington, VA</td>
</tr>
<tr>
<td></td>
<td>Sponsored by Educational Symposia</td>
</tr>
<tr>
<td>10/28-29</td>
<td>European Forum on Oncology 2010: Advances in cancer therapy – Berlin, Germany</td>
</tr>
<tr>
<td></td>
<td>Sponsored by European Forum on Oncology</td>
</tr>
<tr>
<td>10/28-31</td>
<td>SNM Southeastern Chapter Meeting – Durham, NC</td>
</tr>
<tr>
<td>10/29-30</td>
<td>Practical PET Imaging 2010: A Focus on PET &amp; PET/CT – Las Vegas, NV</td>
</tr>
<tr>
<td></td>
<td>Sponsored by Educational Symposia</td>
</tr>
<tr>
<td>10/30-11/6</td>
<td>2010 IEEE Nuclear Science Symposium &amp; Medical Imaging Conference – Knoxville, TN</td>
</tr>
<tr>
<td>10/31-11/4</td>
<td>ASTRO 2010 Annual Meeting – San Diego, CA</td>
</tr>
<tr>
<td>10/31-11/5</td>
<td>Abdominal &amp; Thoracic Imaging in Maui – Maui, HI</td>
</tr>
<tr>
<td></td>
<td>Sponsored by UCSF Department of Radiology</td>
</tr>
<tr>
<td>NOVEMBER 2010</td>
<td></td>
</tr>
<tr>
<td>11/5-6</td>
<td>1er forum international de prospectives de recherche sur le cancer - Paris, France</td>
</tr>
<tr>
<td>11/5-7</td>
<td>ACR-RBMA Forum: New Strategies for Business and Clinical Leaders – Reston, VA</td>
</tr>
<tr>
<td>11/11-14</td>
<td>SNMICON -2010 - 42th annual conference of Society of Nuclear Medicine of India - Chandigarh, India</td>
</tr>
<tr>
<td></td>
<td><a href="http://www.snmindia.org/">http://www.snmindia.org/</a></td>
</tr>
<tr>
<td>11/13-14</td>
<td>42th annual conference of Society of Nuclear Medicine of India - Chandigarh, India</td>
</tr>
<tr>
<td>11/13-17</td>
<td>2010 American Heart Association Meeting – Chicago, IL</td>
</tr>
<tr>
<td>11/16-19</td>
<td>22nd eortc-nci-aacr symposium on “molecular targets and cancer therapeutics” - Berlin, Germany</td>
</tr>
<tr>
<td>11/28-12/3</td>
<td>2010 RSNA Annual Meeting – Chicago, IL</td>
</tr>
<tr>
<td>DECEMBER 2010</td>
<td></td>
</tr>
<tr>
<td>12/5-9</td>
<td>National Diagnostic Imaging Symposium – Lake Buena Vista, FL</td>
</tr>
<tr>
<td></td>
<td>Sponsored by World Class CME</td>
</tr>
<tr>
<td>12/12-15</td>
<td>ACR-Dartmouth PET/CT Course – Reston, VA</td>
</tr>
<tr>
<td></td>
<td>Sponsored by the American College of Radiology</td>
</tr>
<tr>
<td>12/13-18</td>
<td>29th Annual Head-To-Toe Imaging Conference – New York, NY</td>
</tr>
<tr>
<td></td>
<td>Sponsored by NYU Langone Medical Center</td>
</tr>
</tbody>
</table>
MEETING ABSTRACTS

SPIE Medical Imaging Conference (February 2009)
41st Annual Oak Ridge Conference (March 2009)
41st Annual Oak Ridge Conference (April 2009)
SNM 2009 (June 2009)
AACC Annual Meeting 2009 (July 2009)
ASTRO 2009 (November 2009)
RSNA 2009 (December 2009)
32nd CTRC - AACR San Antonio Breast Cancer Symposium (December 2009)
SPIE Medical Imaging Conference (February 2010)
2010 SNM Meeting Abstracts
57th Annual Meeting of the Society of Nuclear Medicine
2010 Gastrointestinal cancers symposium
ACC 59th Annual meeting 2010
48ème Colloque de Médecine Nucléaire de Langue Française
ASCO Annual Meeting 2010
ENDO 2010
ASCO 2010 Genitourinary Cancers Symposium

LINKS

IBA Molecular.
Society of Nuclear Medicine.
European Association Of Nuclear Medicine.
Sociedad Espanola de Medicina Nuclear.
Société Francaise de Médecine Nucléaire.
Société Belge de Médecine Nucléaire.
Nederlandse Vereniging voor Nucleaire geneeskunde.
Associa Italiana di Medicina Nucleare ed Imaging Molecolare.
British Nuclear Medicine Society.
Deutsche Gesellschaft für Nuklearmedizin e.V.
SPAIN
Andres Perez Boada
Email: andres.perez@iba-group.com
Tel.: + 34 696992818

ITALY
Maria de Marco
Email: maria.demarco@cisbio.it
Tel.: + 0039 335 5628132

BELGIUM
Pascal Bartkowiak
Email: pascal.bartkowiak@iba-group.com
Tel.: + 32 499 98 56 71

UNITED KINGDOM
Amanda Williams
Email: amanda.williams@iba-group.com
Tel.: + 44 7887644672

FRANCE
Arnaud Leguicher
Email: arnaud.leguicher@iba-group.com
Tel.: + 33 1 69 85 74 29

GERMANY
Brigitta Conzelmann
Email: brigitta.conzelmann@iba-group.com
Tel.: + 33 1 69 85 74 29

ALL OTHER COUNTRIES
Nicolas Cherrier
Email: nicolas.cherrier@iba-group.com
Phone: + 33 1 69 85 73 64