


(wileyonlinelibrary.com) DOI:10.1002/jlcr.1685

# Current awareness in labelled compounds and radiopharmaceuticals

## Current Awareness – Use the links online

### View this bibliography online at [wileyonlinelibrary.com](http://wileyonlinelibrary.com)

The articles use , the innovative multi-publisher reference linking. This enables readers to move seamlessly from the reference to the cited publication, typically located on a different server and published by a different publisher. Links to MEDLINE abstracts are also available for key journals in the biosciences.

06810

## I Radionuclide production

Chakravarty R, Das T, Dash A\*, Venkatesh M// \*Bhabha Atomic Res Ctr, Radiopharmaceut Division, IN-400085 Mumbai, India  
*Nucl Med Biol* 2010 **37** (7) 811-820

An electro-amalgamation approach to isolate no-carrier-added  $^{177}\text{Lu}$  from neutron irradiated Yb for biomedical applications

Chakravarty R, Dash A\*, Pillai MR, Venkatesh M// \*Address as above  
*Appl Radiat Isot* 2010 **68** (12) 2302-2305

Post-elution concentration of  $^{188}\text{Re}$  by an electrochemical method

Chattopadhyay S, Saha Das S// Board Radiation & Isotope Technol - BRIT, Radiopharmaceut Lab, Variable Energy Cyclotron Ctr - VECC, Regional Ctr, 1/AF, IN-700064 Bidhan Nagar, Kolkata, India  
*Appl Radiat Isot* 2010 **68** (10) 1967-1969

Recovery of  $^{131}\text{I}$  from alkaline solution of n-irradiated tellurium target using a tiny Dowex-1 column

Lebeda O, Pruszyński M// Acad Sci Czech Republic, Nucl Phys Inst, Public Res Inst, Husinec-Rez 130, CZ-25068 Husinec-Rez, Czech Republic  
*Appl Radiat Isot* 2010 **68** (12) 2355-2365

New measurement of excitation functions for ( $p,x$ ) reactions on  $^{nat}\text{Mo}$  with special regard to the formation of  $^{95m}\text{Tc}$ ,  $^{96m+g}\text{Tc}$ ,  $^{99m}\text{Tc}$  and  $^{99}\text{Mo}$

Lebeda O, Fikrle M// Address as above  
*Appl Radiat Isot* 2010 **68** (12) 2425-2432

New measurement of excitation functions for ( $d,x$ ) reactions on  $^{nat}\text{Mo}$  with special regard to the formation of  $^{95m}\text{Tc}$ ,  $^{96m+g}\text{Tc}$ ,  $^{99m}\text{Tc}$  and  $^{99}\text{Mo}$

Rego AC, Ramalho RA, Egito ES, Araujo-Filho I, Azevedo IM, Palestro CJ, Medeiros AC\*// \*UFRN, Postgraduate Prog Hlth Sci, Ave Miguel Alcides Araujo 1889, BR-59078-270 Natal, RN, Brazil  
*Appl Radiat Isot* 2010 **68** (12) 2169-2173

Biodistribution of technetium-99m pertechnetate after total colectomy in rats

Strank J, Melichar F, Filyanin AT, Tomes M, Beran M// Acad Sci Czech Republic, Nucl Phys Inst, Publ Res Inst, Radiopharmaceut Dept, CZ-25068 Rez, Prague, Czech Republic  
*Appl Radiat Isot* 2010 **68** (12) 2163-2168

Preparation of  $^{90}\text{YCl}_3$  radiopharmaceutical precursor for nuclear medicine using technology of centrifugal extractors

Talaeia A, Sadat Kiaia SM\*, Zaeemb AA// \*Nucl Sci & Technol Res Inst - NSTR, Nucl Sci Res Sch, AEOL, IR-14155-1339 Tehran, Iran  
*Appl Radiat Isot* 2010 **68** (12) 2218-2222

Effects of admixture gas on the production of  $^{18}\text{F}$  radioisotope in plasma focus devices

Tarkanyi F, Ditroi F, Kiraly B\*, Takacs S, Hermanne A, Yamazaki H, Baba M, Mohammadi A, Ignatyuk AV// \*Hungarian Acad Sci, ATOMKI - Inst Nucl Res, Bem ter 18/c, HU-4026 Debrecen, Hungary

*Appl Radiat Isot* 2010 **68** (10) 1869-1877

Study of activation cross sections of proton induced reactions on barium: Production of  $^{131}\text{Ba} \rightarrow ^{131}\text{Cs}$

Uddin MS, Scholten B, Hermanne A, Sudar S, Coenen HH, Qaim SM\*// \*Inst Neurowissenschaften & Med, Forschungszentrum Julich, INM-5: Nuklearchemie, DE-52425 Julich, Germany

*Appl Radiat Isot* 2010 **68** (10) 2001-2006

Radiochemical determination of cross sections of  $\alpha$ -particle induced reactions on  $^{192}\text{Os}$  for the production of the therapeutic radionuclide  $^{193m}\text{Pt}$

## 2 Labelled compound synthesis

Abdellatif KR, Velazquez CA, Huang Z, Chowdhury MA, Knaus EE\*// \*Univ Alberta, Fac Pharmacy & Pharmaceut Sci, Edmonton, Alberta, Canada T6G 2N8

*Bioorg Med Chem Lett* 2010 **20** (17) 5245-5250

Triaryl (Z)-olefins suitable for radiolabeling with carbon-11 or fluorine-18 radionuclides for positron emission tomography imaging of cyclooxygenase-2 expression in pathological disease

Bauer F, Kuntner C, Bankstahl JP, Wanek T, Bankstahl M, Stanek J, Mairinger S, Dorner B, Loscher W, Muller M, Erker T, Langer O\*// \*AIT Austrian Institute Technology GmbH, Molecular Medicine, Seibersdorf, Austria  
*Bioorg Med Chem* 2010 **18** (15) 5489-5497

Synthesis and *in vivo* evaluation of [ $^{11}\text{C}$ ]tarividar, a positron emission tomography radiotracer based on a third-generation P-glycoprotein inhibitor

Bauwens M, Chekol R, Vanbilloen H, Bormans G, Verbruggen A// KU Leuven, Lab Radiopharm, O&N 2, Herestr 49, Bus 821, BE-3000 Louvain, Belgium  
*Nucl Med Commun* 2010 **31** (8) 753-758

Optimal buffer choice of the radiosynthesis of  $^{68}\text{Ga}$ -Dotatoc for clinical application

Bruyne SD, Wyffels L, Moerman L, Sambre J, Colabufo NA, Berardi F, Perrone R, Vos FD// Ghent Univ, Lab Radiopharmacy, Harelbekestr 72, BE-9000 Ghent, Belgium  
*Bioorg Med Chem* 2010 **18** (17) 6489-6495

Radiosynthesis and *in vivo* evaluation of [ $^{11}\text{C}$ ]MC80 for P-glycoprotein imaging

In order to keep subscribers up-to-date with the latest developments in their field, John Wiley & Sons are providing a current awareness service in each second issue of the journal. The bibliography contains newly published material in the field of labelled compounds and radiopharmaceuticals. Each bibliography is divided into 16 sections: 1 Radionuclide production; 2 Labelled compound synthesis; Applications: 3 Biomedical - General; 4 Imaging - General; 5 Fluorine; 6 Carbon; 7 Technetium; 8 Iodine; 9 Copper; 10 Gallium; 11 Indium; 12 Hydrogen; 13 Others; 14 Therapy; 15 Environmental; 16 Analytical techniques. Within each section, articles are listed in alphabetical order with respect to author. If, in the preceding period, no publications are located relevant to any one of these headings, that section will be omitted. Unless indicated by an asterisk, the first author is for correspondence.

- Cagnolini A, Chen J, Ramos K, Skedzielewski TM, Lantry LE, Nunn AD, Swenson RE, Linder KE\*// \*Bracco Research USA Inc, Ernst Felder Lab, 305 College Rd East, Princeton, NJ 08540, USA  
*Appl Radiat Isot* 2010 **68** (12) 2285-2292  
Automated synthesis, characterization and biological evaluation of [<sup>68</sup>Ga]Ga-AMBA, and the synthesis and characterization of natGa-AMBA and [<sup>67</sup>Ga]Ga-AMBA
- D'Alessandria C, Di Gialleonardo V, Chianelli M, Mather SJ, De Vries EF, Scopinaro F, Dierck RA, Signore A\*// \*Univ Sapienza, 2nd Fac Med, Nucl Med Unit, Rome, Italy  
*Mol Imaging Biol* 2010 **12** (5) 539-546  
Synthesis and optimization of the labeling procedure of <sup>99m</sup>Tc-HYNIC-interleukin-2 for *in vivo* imaging of activated T lymphocytes
- DeGrado TR, Bhattacharyya F, Pandey MK, Belanger AP, Wang SY// Harvard Univ Sch Med, Brigham & Women's Hosp, Dept Radiol, 75 Francis St, Boston, Ma 02115, USA  
*J Nucl Med* 2010 **51** (8) 1310-1317  
Synthesis and preliminary evaluation of 18-<sup>18</sup>F-fluoro-4-thia-oleate as a PET probe of fatty acid oxidation
- Enginar H, Unak P, Yurt-Lambrecht F, Biber-Muftuler FZ, Seyitoglu B, Yurt A, Yolcular S, Medine I, Bulduk I// Afyon Kocatepe Univ, Fac Arts & Sci, Dept Chem, Gazligol St, ANS Campus, TR-03200 Afyonkarahisar, Turkey  
*Cancer Biother Radiopharm* 2010 **25** (4) 409-416  
Radiolabeling of morphine with <sup>131</sup>I and its biodistribution in rats
- Essouissi I, Ghali W, Saied NM, Saidi M// Natl Ctr Sci & Nucl Technol, Radiopharmaceut Unit, TN-2020 Sidi Thabet, Tunisia  
*Nucl Med Biol* 2010 **37** (7) 821-829  
Synthesis and evaluation of <sup>99m</sup>Tc-N-sulfanilamide ferrocene carboxamide as bacterial infections detector
- Ferro-Flores G, Rivero IA, Santos-Cuevas CL, Sarmiento JI, Arteaga de Murphy C, Ocampo-Garcia BE, Garcia-Becerra R, Ordaz-Rosado D// Inst Nacl Investigaciones Nucleares, Dept Materiales Radiactivos, Carretera Mexico-Toluca s/n, La Marquesa, MX-52750 Ocoyoacac, DF, Mexico  
*Appl Radiat Isot* 2010 **68** (12) 2274-2278  
Click chemistry for [<sup>99m</sup>Tc(CO)<sub>3</sub>] labeling of Lys<sup>3</sup>-bombesin
- Galibert M, Jin ZH, Furukawa T, Fukumura T, Saga T, Fujibayashi Y, Dumy P, Boturn D\*// \*Univ Joseph Fourier, Dept Chimie Mol, UMR-5250 CNRS, 570 rue de la Chimie, BP53, FR-38041 Grenoble 9, France  
*Bioorg Med Chem Lett* 2010 **20** (18) 5422-5425  
RGD-cyclam conjugate: Synthesis and potential application for positron emission tomography
- Gao M, Lola CM, Wang M, Miller KD, Sledge GW, Hutchins GD, Zheng QH\*// \*Indiana Univ Sch Med, Dept Radiol & Imaging Sci, 1345 West 16th St, L3-208, Indianapolis, In 46202, USA  
*Appl Radiat Isot* 2010 **68** (10) 1950-1958  
Synthesis of carbon-11-labeled tricyclic necroptosis inhibitors as new potential PET agents for imaging of tumor necrosis factor  $\alpha$  (TNF- $\alpha$ )
- Herth MM, Barz M, Jahn M, Zentel R, Rosch F// Univ Mainz, Inst Nucl Chem, Fritz-Strassmann-Weg 2, DE-55128 Mainz, Germany  
*Bioorg Med Chem Lett* 2010 **20** (18) 5454-5458  
<sup>72/74</sup>As-labeling of HPMA based polymers for long-term *in vivo* PET imaging
- Hoigebazar L, Jeong JM\*, Choi SY, Choi JY, Shetty D, Lee YS, Lee DS, Chung JK, Lee MC, Chung YK\*// \*Seoul Natl Univ Coll Med, Inst Radiation Med, Dept Nucl Med Radiation Appl Life Sci, 101 Daehangno, Jongno-gu, Seoul 110 744, South Korea  
*J Med Chem* 2010 **53** (17) 6378-6385  
Synthesis and characterization of nitroimidazole derivatives for <sup>68</sup>Ga-labeling and testing in tumor xenografted mice
- Ibrahim IT, Motaleb MA, Attalah KM// Atomic Energy Authority, Labeled Cpd Dept, Hot Lab Ctr, POB 13759, Cairo, Egypt  
*J Radioanal Nucl Chem* 2010 **285** (3) 431-436  
Synthesis and biological distribution of <sup>99m</sup>Tc-norfloxacin complex, a novel agent for detecting sites of infection
- Jarkas N, Voll RJ, Williams L, Camp VM, Goodman MM\*// \*Emory Univ, Dept Radiol, 1841 Clifton Rd NE, Atlanta, Ga 30329, USA  
*J Med Chem* 2010 **53** (18) 6603-6607  
(R,S)-anti-1-Amino-2-[<sup>18</sup>F]fluorocyclopentyl-1-carboxylic acid: Synthesis from racemic 2-benzoyloxycyclopentanone and biological evaluation for brain tumor imaging with positron emission tomography
- Jauregui-Osoro M, Sunassee K, Weeks AJ, Berry DJ, Paul RL, Cleij M, Banga JP, O'Doherty MJ, Marsden PK, Clarke SE, Ballinger JR, Szanda I, Cheng SY, Blower P// KCL, St Thomas Hosp, London SE1 7EH, England  
*Eur J Nucl Med Mol Imaging* 2010 **37** (11) 2108-2116  
Synthesis and biological evaluation of [<sup>18</sup>F]tetrafluoroborate: A PET imaging agent for thyroid disease and reporter gene imaging of the sodium/iodide symporter
- Youn H, Jeong JM, Chung JK\*// \*Seoul Natl Univ Coll Med, Dept Nucl Med, 101 Daehang ro, Jongno gu, Seoul 110 744, South Korea  
*Eur J Nucl Med Mol Imaging* 2010 **37** (11) 2105-2107  
A new PET probe, <sup>18</sup>F-tetrafluoroborate, for the sodium/iodide symporter: Possible impacts on nuclear medicine (Comment on Jauregui-Osoro M *et al*)
- Karczmarczyk U, Garnuszek P, Maurin M, Di Gialleonardo V, Galli F, Signore A, Mikolajczak R// Natl Med Inst, Dept Radiopharmaceut, PL-00725 Warsaw, Poland  
*Nucl Med Biol* 2010 **37** (7) 795-803  
Investigation of <sup>99m</sup>Tc-labeling of recombinant human interleukin-2 *via* hydrazinonicotinamide
- Kong FL, Zhang YH, Ali MS, Oh C, Mendez R, Kohanim S, Tsao N, Chanda M, Huang WC, Yang DJ// Univ Texas MD Anderson Canc Ctr, Dept Expt Diagn Imaging, Box 59, 1515 Holcombe Blvd, Houston, Tx 77030, USA  
*Nucl Med Commun* 2010 **31** (8) 699-707  
Synthesis of <sup>99m</sup>Tc-EC-AMT as an imaging probe for amino acid transporter systems in breast cancer
- Lee DE, Hong YD, Choi KH, Lee SY, Park PH, Choi SJ\*// \*KAERI, Basic Sci & Technol Dept, Radioisotope Res Div, Daejeon 305 353, South Korea  
*Appl Radiat Isot* 2010 **68** (10) 1896-1902  
Preparation and evaluation of <sup>99m</sup>Tc-labeled cyclic arginine-glycine-aspartate (RGD) peptide for integrin targeting
- McBride WJ, D'Souza CA, Sharkey RM, Karacay H, Rossi EA, Chang CH, Goldenberg DM// Immunomedics Inc, 300 American Rd, Morris Plains, NJ 07950, USA  
*Bioconjug Chem* 2010 **21** (7) 1331-1340  
Improved <sup>18</sup>F labeling of peptides with a fluoride-aluminum-chelate complex
- Moon BS, Park JH, Lee HJ, Kim JS, Kil HS, Lee BS, Chi DY, Lee BC\*, Kim YK, Kim SE\*// \*Seoul Natl Univ Coll Med, Seoul Natl Univ Bundang Hosp, Dept Nucl Med, Seongnam 463 707, South Korea  
*Appl Radiat Isot* 2010 **68** (12) 2279-2284  
Highly efficient production of [<sup>18</sup>F]fallypride using small amounts of base concentration
- Mostafa M, Motaleb MA, Sakr TM// Atomic Energy Authority, Radioactive Isotopes & Generators Dept, Hot Labs Ctr, PO Box 13759, Cairo, Egypt  
*Appl Radiat Isot* 2010 **68** (10) 1959-1963  
Labeling of ceftriaxone for infective inflammation imaging using <sup>99m</sup>Tc eluted from <sup>90</sup>Mo/<sup>99m</sup>Tc generator based on zirconium molybdate
- Nandy S, Rajan MG\*, Korde A, Krishnamurthy NV// \*Bhabha Atomic Res Ctr, Bio-Medical Grp, Radiation Med Ctr, Tata Memorial Hosp Annexe, IN-400012 Parel, Mumbai, India  
*Appl Radiat Isot* 2010 **68** (10) 1937-1943  
The possibility of a fully automated procedure for radiosynthesis of fluorine-18-labeled fluoromisonidazole using a simplified single, neutral alumina column purification procedure
- Nandy SK, Rajan MG\*// \*Bhabha Atomic Res Ctr, Bio-Medical Grp, Radiation Med Ctr, Tata Memorial Hosp Annexe, IN-400012 Parel, Mumbai, India  
*Appl Radiat Isot* 2010 **68** (10) 1944-1949  
Simple, column purification technique for the fully automated radiosynthesis of [<sup>18</sup>F]fluoroazomycin-araboside ([<sup>18</sup>F]FAZA)
- Pathuri G, Sahoo K, Awasthi V, Gali H\*// \*University Oklahoma Coll Pharmacy, 1110 Nth Stonewall Ave, Rm 301, Oklahoma City, Ok 73117, USA  
*Bioorg Med Chem Lett* 2010 **20** (20) 5969-5972  
Synthesis and *in vivo* evaluation of <sup>99m</sup>Tc-labeled cyclic CisoDGRC peptide conjugates for targeting  $\alpha_v\beta_3$  integrin expression
- Popkov A, Hanusek J, Cermak J, Langer V, Jirasko R, Holcapek M, Nadvornik M// Tomas Bata Univ Zlin, Fac Technol, Dept Chem & Environm Technol, nam TG Masaryka 275, CZ-76172 Zlin, Czech Rep  
*J Radioanal Nucl Chem* 2010 **285** (3) 621-626  
Development of metallocomplex amino acids synthons for the asymmetric preparation of  $\alpha$ -amino acids by stereoselective introduction of a side chain. Evaluation of the model asymmetric preparation of alanine and  $\beta$ -<sup>13</sup>C monolabelled  $\alpha$ -aminoisobutyric acid
- Quincoces G, Lopez-Sanchez L, Sanchez-Martinez M, Rodriguez-Fraile M, Penuelas I// Univ Navarra Sch Med, Univ Hosp, Dept Nucl Med, Radiopharmacy Unit, Av Pio XII 36, ES-31008 Pamplona, Spain  
*Appl Radiat Isot* 2010 **68** (12) 2298-2301  
Design and performance evaluation of single-use whole-sterile "plug & play" kits for routine automated production of [<sup>11</sup>C]choline and [<sup>11</sup>C]methionine with radiopharmaceutical quality
- Seo JW, Mahakian LM, Kheirloom A, Zhang H, Meares CF, Ferdani R, Anderson CJ, Ferrara KW\*// \*Univ California, Dept Biomed Engr, 451 East Health Sciences Dr, Davis, Ca 95616, USA  
*Bioconjug Chem* 2010 **21** (7) 1206-1215  
Liposomal <sup>64</sup>Cu labeling method using bifunctional chelators: Poly(ethylene glycol) spacer and chelator effects

Shah SQ, Khan AU, Khan MR// Univ Peshawar, Nucl Med Res Lab - NMRL, Rm 111, Academic Block I, Peshawar, NWFP, Pakistan  
*Appl Radiat Isot* 2010 **68** (12) 2255-2260

Radiosynthesis and biodistribution of <sup>99m</sup>Tc-rifampicin: A novel radiotracer for *in-vivo* infection imaging

Stehouwer JS, Daniel LM, Chen P, Voll RJ, Williams L, Plott SJ, Votaw JR, Owens MJ, Howell L, Goodman MM\*// \*Emory Univ, Dept Radiol, Wesley Woods Hlth Ctr, 1841 Clifton Rd Nth, Atlanta, Ga 30329, USA

*J Med Chem* 2010 **53** (15) 5549-5557

Synthesis, fluorine-18 radiolabeling and biological evaluation of *N*-((*E*)-4-fluorobut-2-en-1-yl)-2-β-carbomethoxy-3β-(4'-halophenyl)nortropans: Candidate radioligands for *in vivo* imaging of the brain dopamine transporter with positron emission tomography

Tanabe K, Sugiura M, Nishimoto S// Kyoto Univ, Dept Energy & Hydrocarbon Chem, Katsura Campus, Nishikyo ku, Kyoto 615 8510, Japan

*Bioorg Med Chem* 2010 **18** (18) 6690-6694

Monitoring of duplex and triplex formation by <sup>19</sup>F NMR using oligodeoxy-nucleotides possessing 5-fluorodeoxyuridine unit as <sup>19</sup>F signal transmitter

Theeraladanon C, Takahashi N, Shiina M, Hamada K, Takada Y, Endo H, Tateishi U, Oka T, Ogata K, Inoue T// Yokohama City Univ, Grad Sch Med, Dept Radiol, 3-9 Fukuura, Kanazawa-ku, Yokohama 236 0004, Japan

*Cancer Biother Radiopharm* 2010 **25** (4) 479-485

Rational approach to the synthesis, evaluation, and <sup>68</sup>Ga labeling of a novel 4-anilinoquinoline epidermal growth factor receptor inhibitor as a new imaging agent that selectively targets the epidermal growth factor receptor tyrosine kinase

Tu Z, Xu J, Jones LA, Li S, Zeng D, Kung MP, Kung HF, Mach RH\*// \*Washington Univ Sch Med, Div Radiol Sci, Campus Box 8225, 510 Sth Kingshighway Blvd, St Louis, Mo 63110, USA

*Appl Radiat Isot* 2010 **68** (12) 2268-2273

Radiosynthesis and biological evaluation of a promising σ<sub>2</sub>-receptor ligand radiolabeled with fluorine-18 or iodine-125 as a PET/SPECT probe for imaging breast cancer

Ujula T, Huttunen M, Luoto P, Perakyla H, Simpura I, Wilson I, Bergman M, Roivainen A\*// \*Turku Univ Hosp, Turku PET Ctr, Kiinamylynkatu 4-8, FI-20521 Turku, Finland

*Bioconjug Chem* 2010 **21** (9) 1612-1621

Matrix metalloproteinase 9 targeting peptides: Syntheses, <sup>68</sup>Ga-labeling, and preliminary evaluation in a rat melanoma xenograft model

Wang M, Gao M, Miller KD, Sledge GW, Hutchins GD, Zheng QH\*// \*Indiana Univ Sch Med, Dept Radiol & Imaging Sci, Indianapolis, In 46202, USA

*Nucl Med Biol* 2010 **37** (7) 763-775

The first design and synthesis of [<sup>11</sup>C]MKC-1 ([<sup>11</sup>C]Ro 31-7453), a new potential PET cancer imaging agent

Yang Y, Zhu L, Cui M, Tang R, Zhang H\*// \*Beijing Normal Univ, Coll Chem, MoE Key Lab Radiopharmaceut, CN-100875 Beijing, Peoples Rep China

*Bioorg Med Chem Lett* 2010 **20** (17) 5337-5344

Preparation of classical Re<sup>99m</sup>Tc(CO)<sub>3</sub><sup>+</sup> and novel <sup>99m</sup>Tc(CO)<sub>2</sub>(NO)<sub>2</sub><sup>+</sup> cores complexed with flavonol derivatives and their binding characteristics for Aβ<sub>1-40</sub> aggregates

Yao CH, Lin KJ, Weng CC, Hsiao IT, Ting YS, Yen TC, Jan TR, Skovronsky D, Kung MP, Wey SP\*// \*Chang Gung Univ, Dept Med Imaging & Radiol Sci, Taoyuan, Taiwan

*Appl Radiat Isot* 2010 **68** (12) 2293-2297

GMP-compliant automated synthesis of [<sup>18</sup>F]AV-45 (Florbetapir F 18) for imaging β-amyloid plaques in human brain

## Applications: 3 Biomedical - General

Jacques C, Perdu E, Dorio C, Bacqueville D, Mavon A, Zalko D\*// \*INRA, UMR 1089 Xenobiotiques, 180 Chemin Tournefeuille, BP 93173, FR-31027 Toulouse 3, France

*Toxicol Vitro* 2010 **24** (5) 1426-1434

Percutaneous absorption and metabolism of [<sup>14</sup>C]-ethoxycoumarin in a pig ear skin model

Nedjadi Y, Bailat C, Caffari Y, Bochud F// Inst Radiophys Appliquee, Grand Pre 1, CH-1007 Lausanne, Switzerland

*Appl Radiat Isot* 2010 **68** (7-8) 1309-1313

Standardisation of <sup>18</sup>F by a coincidence method using full solid angle detectors

Pathak CM, Kaur B, Khanduja KL// Postgraduate Inst Med Educat & Res, Dept Biophys, Chandigarh, India

*Nucl Med Commun* 2010 **31** (9) 830-835

<sup>14</sup>C-Urea breath test is safe for pediatric patients (Review)

Rego ACM, Neto AV, Azevedo IM, Araujo I, Egito EST, Medeiros AC\*// \*Federal Univ Rio Grande do Norte - UFRN, Postgraduate Program Health Science, Avenue Miguel Alcides Araujo 1889, BR-59078-270 Natal, RN, Brazil

*J Investig Surg* 2010 **23** (2) 94-100

Biodistribution of technetium-99m pertechnetate after total gastrectomy and Roux-en-Y jejunal pouch

Shaw JP, Cheong J, Goldberg MR, Kitt MM// Theravance Inc, Dept Drug Metab & Pharmacokinetics, 901 Gateway Blvd, San Francisco, Ca 94080, USA

*Antimicrob Agents Chemother* 2010 **54** (8) 3365-3371

Mass balance and pharmacokinetics of [<sup>14</sup>C]telavancin following intravenous administration to healthy male volunteers

## 4 Imaging - General

Laking G, Price P// Auckland District Hlth Board, Auckland Reg Canc & Blood Serv, Auckland Mail Ctr, Private Bag 92 024, Auckland 1142, New Zealand

*Eur J Nucl Med Mol Imaging* 2010 **37** (Suppl 1) S20-S29

Radiionuclide imaging of perfusion and hypoxia (Review)

Nagren K, Halldin C, Rinne JO// Odense University Hospital, Department Nucl Med, PET & Cyclotron Unit, Sondre Blvd 29, DK-5000 Odense, Denmark

*Eur J Nucl Med Mol Imaging* 2010 **37** (8) 1575-1593

Radiopharmaceuticals for positron emission tomography investigations of Alzheimer's disease (Review)

Tolmachev V, Orlova A// Uppsala Univ, Rudbeck Lab, Unit Biomed Radiat Sci, SE-75285 Uppsala, Sweden

*Curr Medicinal Chem* 2010 **17** (24) 2636-2655

Influence of labelling methods on biodistribution and imaging properties of radiolabelled peptides for visualisation of molecular therapeutic targets (Review)

## 5 Fluorine

Aide N, Kinross K, Cullinane C, Roselt P, Waldeck K, Neels O, Dorow D, McArthur G, Hicks RJ// Nucl Med Dept, Ctr Francois Baclesse, Ave General Harris, FR-14076 Caen 5, France

*J Nucl Med* 2010 **51** (10) 1559-1564

<sup>18</sup>F-FLT PET as a surrogate marker of drug efficacy during motor inhibition by everolimus in a preclinical cisplatin-resistant ovarian tumor model

Ansquer C, Scigliano S, Mirallie E, Taieb D, Brunaud L, Sebarg F, Leux C, Drui D, Dupas B, Renaudin K, Kraeber-Bodere F// Serv Med Nucl, CHU-Hotel Dieu, Nantes, France

*Eur J Nucl Med Mol Imaging* 2010 **37** (9) 1669-1678

<sup>18</sup>F-FDG PET/CT in the characterization and surgical decision concerning adrenal masses: A prospective multicentre evaluation

Aukema TS, Kappers I, Olmos RA, Codrington HE, Van Tinteren H, Van Pel R, Klomp HM\*// \*Netherlands Cancer Institute-Antoni van Leeuwenhoek Hosp, Dept Surg, Plesmanlaan 121, NL-1066 CX, Amsterdam, The Netherlands

*J Nucl Med* 2010 **51** (9) 1344-1348

Is <sup>18</sup>F-FDG PET/CT useful for the early prediction of histopathologic response to neoadjuvant erlotinib in patients with non-small cell lung cancer?

Azad A, Chionh F, Scott AM, Lee ST, Berlangieri SU, White S, Mitchell PL// Ludwig Inst, Oncol Unit, Heidelberg, Vic, Australia

*Mol Imaging Biol* 2010 **12** (4) 443-451

High impact of <sup>18</sup>F-FDG-PET on management and prognostic stratification of newly diagnosed small cell lung cancer

Benz MR, Dry SM, Eilber FC, Allen-Auerbach MS, Tap WD, Elashoff D, Phelps ME, Czernin J\*// \*UCLA, David Geffen School Medicine, Dept Mol & Med Pharmacol, Ahmanson Biol Imaging Div, Los Angeles, Ca 90095, USA

*J Nucl Med* 2010 **51** (8) 1174-1181

Correlation between glycolytic phenotype and tumor grade in soft-tissue sarcomas by <sup>18</sup>F-FDG PET

Bodet-Milin C, Touzeau C, Leux C, Sahin M, Moreau A, Maisonneuve H, Morineau N, Jardel H, Moreau P, Gallazini-Crepin C, Gries P, Gressin R, Harousseau JL, Mohty M, Moreau P, Kraeber-Bodere F, Le Guill S\*// \*CHU Nantes, Serv Med Nucl, FR-44093 Nantes, France

*Eur J Nucl Med Mol Imaging* 2010 **37** (9) 1633-1642

Prognostic impact of <sup>18</sup>F-fluoro-deoxyglucose positron emission tomography in untreated mantle cell lymphoma: A retrospective study from the GOELAMS group

- Bogsrud TV, Karantanis D, Nathan MA, Mullan BP, Wiseman GA, Kasperbauer JL, Reading CC, Bjoro T, Hay ID, Lowe VJ// \*Mayo Clin, Dept Radiol, Div Nucl Med, 200 First St SW, Rochester, Mn 55905, USA  
*Mol Imaging Biol* 2010 **12** (5) 547-553  
The prognostic value of 2-deoxy-2-[<sup>18</sup>F]fluoro-D-glucose positron emission tomography in patients with suspected residual or recurrent medullary thyroid carcinoma
- Braun JJ, Imperiale A, Riehm S, Veillon F// Hop Hauteepierre, Serv ORL & CCF, Ave Moliere, FR-67098 Strasbourg, France  
*J Neuroradiol* 2010 **37** (3) 172-181  
Imaging in sinonasal sarcoidosis: CT, MRI, <sup>67</sup>gallium scintigraphy and <sup>18</sup>F-FDG PET/CT features
- Brepeols L, De Saint-Hubert M, Stroobants S, Verhoef G, Balzarini J, Mortelmans L, Mottaghy FM// \*Univ Klinikum RWTH Aachen, Kilin Nukl Med, Pauwelsstr 30, DE-52074 Aachen, Germany  
*Eur J Nucl Med Mol Imaging* 2010 **37** (9) 1688-1695  
Dose-response relationship in cyclophosphamide-treated B-cell lymphoma xenografts monitored with [<sup>18</sup>F]FDG PET
- Celen S, Koole M, De Angelis M, Sannen I, Chitneni SK, Alcazar J, Dedeurwaerdere S, Moechars D, Schmidt M, Verbruggen A, Langlois X, Van Laere K, Andres JJ, Bormans G// \*KU Leuven, Fac Pharmaceut Sci, Lab Radiopharmacy, Herestr 49, BE-3000 Leuven, Belgium  
*J Nucl Med* 2010 **51** (10) 1584-1591  
Preclinical evaluation of <sup>18</sup>F-JNJ41510417 as a radioligand for PET imaging of phosphodiesterase-10A in the brain
- Cerci JJ, Pracchia LF, Linardi CC, Pitella FA, Delbeke D, Izaki M, Trindade E, Soares J Jr, Buccheri V, Meneghetti JC// Univ Sao Paulo, Fac Med, Inst Coracao, Div Nucl Med, Avda Dr Eneas de Carvalho Aguiar, 44, AB, BR-05403-000 Sao Paulo, SP, Brazil  
*J Nucl Med* 2010 **51** (9) 1337-1343  
<sup>18</sup>F-FDG PET after 2 cycles of ABVD predicts event-free survival in early and advanced Hodgkin lymphoma
- Chan WKS, Au WY, Wong CYO, Liang R, Leung AYH, Kwong YL, Khong PL// \*Univ Hong Kong, Queen Mary Hosp, Dept Diagn Radiol, 102 Pokfulam Rd, Hong Kong, Peoples Rep China  
*Clin Nucl Med* 2010 **35** (8) 571-575  
Metabolic activity measured by <sup>18</sup>F FDG PET in natural killer-cell lymphoma compared to aggressive B- and T-cell lymphomas
- Chan WSW, Zhang J, Khong PL// Tuen Mun Hosp, Dept Radiol, 30 Gascoigne Rd, Tuen Mun, Hong Kong, Peoples Rep China  
*Br J Radiol* 2010 **83** (992) e172-e174  
<sup>18</sup>F-FDG-PET-CT imaging findings of recurrent intracranial haemangiopericytoma with distant metastases
- Chen SH, Ho KC, Hsieh PH, Lee MS, Yen TC// Chang Gung Memorial Hosp, Dept Nucl Med & Mol Imaging Ctr, Taoyuan, Taiwan  
*Q J Nucl Med Mol Imaging* 2010 **54** (4) 429-435  
Potential clinical role of <sup>18</sup>F FDG-PET/CT in detecting hip prosthesis infection: A study in patients undergoing two-stage revision arthroplasty with an interim spacer
- Cheng D, Wang Y, Liu X, Pretorius PH, Liang M, Ruszkowski M, Hnatowich DJ// \*Univ Massachusetts, Div Nucl Med, Worcester, Ma 01655, USA  
*Bioconj Chem* 2010 **21** (8) 1565-1570  
Comparison of <sup>18</sup>F PET and <sup>99m</sup>Tc SPECT imaging in phantoms and in tumored mice
- Cheng Y, Ono M, Kimura H, Kagawa S, Nishii R, Saji H// \*Kyoto Univ, Grad Sch Pharmaceut Sci, 46-29 Yoshida Shimoadachi-cho, Sakyo-ku, Kyoto 606 8501, Japan  
*Bioorg Med Chem Lett* 2010 **20** (20) 6141-6144  
A novel <sup>18</sup>F-labeled pyridyl benzofuran derivative for imaging of  $\beta$ -amyloid plaques in Alzheimer's brains
- Chung HH, Nam BH, Kim JW\*, Kang KW, Park NH, Song YS, Chung JK, Kang SB// \*Seoul Natl Univ, Coll Med, Canc Res Inst, Dept Obstet & Gynecol, 28 Yongon dong, Jongno gu, Seoul 110 744, South Korea  
*Eur J Nucl Med Mol Imaging* 2010 **37** (8) 1467-1473  
Preoperative [<sup>18</sup>F]FDG PET/CT maximum standardized uptake value predicts recurrence of uterine cervical cancer
- Claeys J, Mertens K, D'Asseler Y, Goethals I// \*Ghent Univ Hosp, Dept Nucl Med, De Pintelaan 185, BE-9000 Ghent, Belgium  
*Ann Nucl Med* 2010 **24** (6) 501-505  
Normoglycemic plasma glucose levels affect <sup>18</sup>F FDG uptake in the brain
- Coenen HH, Elsinga PH, Iwata R, Kilbourn MR, Pillai MRA\*, Rajan MG, Wagner HN, Zaknun JJ// \*Int Atomic Energy Agency, Dept Nucl Sci & Applications, Wagramer Str 5, AT-1400 Vienna, Austria  
*Nucl Med Biol* 2010 **37** (7) 727-740  
Fluorine-18 radiopharmaceuticals beyond [<sup>18</sup>F]FDG for use in oncology and neurosciences (Review)
- Coulson JM, Rudd JH, Duckers JM, Rees JI, Shale DJ, Bolton CE, Cockcroft JR// \*Cardiff Univ, Sch Med, Wales Heart Res Inst, Heath Park, Cardiff CF14 4NX, Wales  
*J Nucl Med* 2010 **51** (9) 1357-1360  
Excessive aortic inflammation in chronic obstructive pulmonary disease: An <sup>18</sup>F-FDG PET pilot study
- Croteau E, Lavallee E, Labbe SM, Hubert L, Pifferi F, Rousseau JA, Cunname SC, Carpentier AC, Lecomte R, Benard F// \*BC Cancer Agency, 675 West Tenth Ave, Vancouver, Brit Columbia, Canada V5Z 1L3  
*Eur J Nucl Med Mol Imaging* 2010 **37** (8) 1539-1550  
Image-derived input function in dynamic human PET/CT: Methodology and validation with <sup>11</sup>C-acetate and <sup>18</sup>F-fluorothioheptadecanoic acid in muscle and <sup>18</sup>F-fluorodeoxyglucose in brain
- De Giorgi U, Mego M, Rohren EM, Liu P, Handy BC, Reuben JM, Macapinlac HA, Hortobagyi GN, Cristofanilli M, Ueno NT// \*Univ Texas MD Anderson Canc Ctr, Dept Breast Med Oncol, Unit 1354, 1515 Holcombe Blvd, Houston, Tx 77030, USA  
*J Nucl Med* 2010 **51** (8) 1213-1218  
<sup>18</sup>F-FDG PET/CT findings and circulating tumor cell counts in the monitoring of systemic therapies for bone metastases from breast cancer
- De Prost N, Tucci MR, Melo MFV// \*Massachusetts Gen Hosp, Dept Anesthesia Critical Care & Pain Med, 55 Fruit St, Boston, Ma 02114, USA  
*Am J Roentgenol* 2010 **195** (2) 292-300  
Assessment of lung inflammation with <sup>18</sup>F-FDG PET during acute lung injury (Review)
- Denecke T, Hundsdorfer P, Misch D, Steffen IG, Schonberger S, Furth C, Plotkin M, Ruf J, Hautzel H, Stover B, Kluge R, Bierbach U, Otto S, Beck JF, Franzisk C, Henze G, Amthauer H// Charite-Univ Med Berlin, Klin Strahlenheilkunde, Campus Virchow-Klin, Augustenburger Pl 1, DE-13353 Berlin, Germany  
*Eur J Nucl Med Mol Imaging* 2010 **37** (10) 1842-1853  
Assessment of histological response of paediatric bone sarcomas using FDG PET in comparison to morphological volume measurement and standardized MRI parameters
- Devanand DP, Mikhno A, Pelton GH, Cuasay K, Pradhaban G, Dileep Kumar JS, Upton N, Lai R, Gunn RN, Libri V, Liu X, Van Heertum R, Mann JJ, Parsey RV// 1051 Riverside Dr, Unit 126, New York, NY 10032, USA  
*J Geriatr Psychiatry Neurol* 2010 **23** (3) 185-198  
Pittsburgh compound B (<sup>11</sup>C-PIB) and fluorodeoxyglucose (<sup>18</sup>F-FDG) PET in patients with Alzheimer disease, mild cognitive impairment, and healthy controls
- Dijkman BG, Schuurbijs OC, Vriens D, Looijen-Salamon M, Bussink J, Timmer-Bonte JN, Snoeren MM, Oyen WJ, Van der Heijden HF, De Geus-Oei LF// Radboud Univ Nijmegen Med Ctr, Dept Pulmonary Dis, Nijmegen, The Netherlands  
*Eur J Nucl Med Mol Imaging* 2010 **37** (10) 2037-2047  
The role of <sup>18</sup>F-FDG PET in the differentiation between lung metastases and synchronous second primary lung tumours
- Dimitrakopoulou-Strauss A, Strauss LG, Egerer G, Vasamillette J, Schmitt T, Haberkorn U, Kasper B// German Canc Res Ctr, Clin Co-operation Unit Nucl Med, Med PET Grp Biol Imaging, DE-69120 Heidelberg, Germany  
*Eur J Nucl Med Mol Imaging* 2010 **37** (8) 1481-1489  
Prediction of chemotherapy outcome in patients with metastatic soft tissue sarcomas based on dynamic FDG PET (dPET) and a multiparameter analysis
- Endepols H, Sommer S, Backes H, Wiedermann D, Graf R, Hauber W// \*Univ Stuttgart, Inst Biol, Dept Anim Physiol, Pfaffenwaldring 57, DE-70550 Stuttgart, Germany  
*J Neurosci* 2010 **30** (29) 9708-9714  
Effort-based decision making in the rat: An [<sup>18</sup>F] fluorodeoxyglucose micro positron emission tomography study
- Etchebehere EC, Romanato JS, Santos AO, Buzaid AC, Camargo EE// Sirio-Libanes Hosp, Div Nucl Med & PET/CT, Rua Dona Adma Jafet 91, Bela Vista, Sao Paulo, Brazil  
*Nucl Med Commun* 2010 **31** (11) 925-930  
Impact of [<sup>18</sup>F] FDG-PET/CT in the restaging and management of patients with malignant melanoma
- Feeny J, Horwitz S, Gonen M, Schoder H// Memorial Sloan Kettering Canc Ctr, Dept Radiol, Nucl Med Serv, 1275 York Ave, Box 77, New York, NY 10065, USA  
*Am J Roentgenol* 2010 **195** (2) 333-340  
Characterization of T-cell lymphomas by FDG PET/CT
- Fueger BJ, Czernin J, Cloughesy T, Silverman DH, Geist CL, Walter MA, Schiepers C, Nghiemphu P, Lai A, Phelps ME, Chen W// \*UCLA, David Geffen Sch Med, 200 MP, B114-61, Los Angeles, Ca 90095, USA  
*J Nucl Med* 2010 **51** (10) 1532-1538  
Correlation of <sup>6</sup>-<sup>18</sup>F-fluoro-L-dopa PET uptake with proliferation and tumor grade in newly diagnosed and recurrent gliomas

- Gilardi L, De Cicco C, Colleoni M, Cardillo A, Montagna E, Dellapasqua S, Galimberti V, Bagnardi V, Paganelli G\*// \*Eur Inst Oncol, Div Nucl Med, Via Ripamonti 435, IT-20141 Milan, Italy  
*Eur J Nucl Med Mol Imaging* 2010 **37** (10) 1834-1841  
 Investigation of <sup>18</sup>F-FDG PET in the selection of patients with breast cancer as candidates for sentinel node biopsy after neoadjuvant therapy
- Giorgini M, Marchetti C, Di Donato V, Tesei J, Mancini N\*, Panici PB// \*Univ Roma La Sapienza, Dept Gynecol Obstet & Perinatol, Via Policlin 155, IT-00161 Rome, Italy  
*Int J Gynecol Cancer* 2010 **20** (5) 694-697  
 Limits of <sup>18</sup>F-fluorodeoxyglucose positron emission tomography in recurrence diagnosis of borderline ovarian tumor (Review)
- Graafland NM, Olmos RAV, Teertstra HJ, Kerst JM, Bergman AM, Horenblas S\*// \*Antoni van Leeuwenhoek Hosp, Netherlands Canc Inst, Dept Urol, Plesmanlaan 121, NL-1066 CX Amsterdam, The Netherlands  
*Eur J Nucl Med Mol Imaging* 2010 **37** (8) 1474-1480  
<sup>18</sup>F-FDG PET/CT for monitoring induction chemotherapy in patients with primary inoperable penile carcinoma: First clinical results
- Grabellus F, Sheu SY, Bachmann HS, Lehmann N, Otterbach F, Heusner TA, Antoch G, Bockisch A, Kimmig R, Schmid KW, Stahl AR// Univ Duisburg Essen, Univ Hosp Essen, Inst Pathol & Neuropathol, Hufelandstr 55, DE-45122 Essen, Germany  
*J Nucl Med* 2010 **51** (8) 1191-1197  
 The XbaI G>T polymorphism of the glucose transporter 1 gene modulates <sup>18</sup>F-FDG uptake and tumor aggressiveness in breast cancer
- Gratz S, Kemke B, Kaiser W, Heinis J, Behr TM, Hoffken H// Radiol Ctr, Dept Nucl Med, Seelbergstr 11, DE-70372 Stuttgart, Germany  
*J Int Med Res* 2010 **38** (2) 633-644  
 Incidental non-secreting adrenal masses in cancer patients: Intra-individual comparison of <sup>18</sup>F-fluorodeoxyglucose positron emission tomography/computed tomography with computed tomography and shift magnetic resonance imaging
- Hoetjes NJ, Van Velden FH, Hoekstra OS, Hoekstra CJ, Krak NC, Lammertsma AA, Boellaard R// VU Univ Med Ctr, Dept Nucl Med & PET Res, Amsterdam, The Netherlands  
*Eur J Nucl Med Mol Imaging* 2010 **37** (9) 1679-1687  
 Partial volume correction strategies for quantitative FDG PET in oncology
- Huang YE, Pu YL, Huang YJ, Chen CF, Pu QH, Konda SD, Appelbaum DE// Chang Gung Memorial Hosp, Chang Gung Univ Coll Med, Dept Nucl Med, Chiayi, Taiwan  
*Nucl Med Commun* 2010 **31** (11) 945-951  
 The utility of the nonattenuation corrected <sup>18</sup>F-FDG PET images in the characterization of solitary pulmonary lesions
- Ito K, Morooka M, Kubota K// Saitama Med Univ, Dept Nucl Med, Int Med Ctr, 1397-3 Yamane, Saitama, Japan  
*Ann Nucl Med* 2010 **24** (6) 493-496  
<sup>18</sup>F-FDG PET/CT findings of pharyngeal tuberculosis
- Ito K, Kubota K, Morooka M, Hasuo K, Kuroki H, Mimori A// Saitama Med Univ, Dept Nucl Med, Int Med Ctr, 1397-3 Yamane, Hidaka City, Saitama, Japan  
*Nucl Med Commun* 2010 **31** (8) 691-698  
 Clinical impact of <sup>18</sup>F-FDG PET/CT on the management and diagnosis of infectious spondylitis
- Ito K, Yokoyama J, Kubota K, Morooka M// Saitama Med Univ Int Med Ctr, Dept Nucl Med, Hidaka City, Saitama Prefecture, Japan  
*Nucl Med Commun* 2010 **31** (11) 931-937  
 Comparison of <sup>18</sup>F-FDG and <sup>11</sup>C-choline PET/CT for detecting recurrences in patients with nonsquamous cell head and neck malignancies
- Jansen JFA, Schoder H, Lee NY, Wang Y, Pfister DG, Fury MG, Stambuk HE, Humm JL, Koutcher JA, Shulka-Dave A\*// \*Memorial Sloan Kettering Cancer Center, Department Med Phys, 1275 York Ave, New York, NY 10065, USA  
*Int J Radiat Oncol Biol Phys* 2010 **77** (5) 1403-1410  
 Noninvasive assessment of tumor microenvironment using dynamic contrast-enhanced magnetic resonance imaging and <sup>18</sup>F-fluoromisonidazole positron emission tomography imaging in neck nodal metastases
- Kamisawa T, Takum K, Anjiki H, Egawa N, Kurata M, Honda G, Tsuruta K// Tokyo Metropolitan Komagome Hosp, Dept Internal Med, 3-18-22 Honkomagome, Bunkyo ku, Tokyo 113 8677, Japan  
*Hepatogastroenterology* 2010 **57** (99-100) 447-450  
 FDG-PET/CT findings of autoimmune pancreatitis
- Kei PL, Kok TY, Padhy AK, Ng DC, Goh AS// Singapore Gen Hosp, Dept Nucl Med & PET, Outram Rd, Singapore, Rep Singapore  
*Nucl Med Commun* 2010 **31** (9) 788-792  
 [<sup>18</sup>F] FDG PET/CT in patients with fever of unknown origin: A local experience
- Khamwan K, Krisanachinda A, Pasawang P// Chulalongkorn Univ, Fac Med, Dept Radiol, TH-10330 Bangkok, Thailand  
*Radiat Prot Dosimetry* 2010 **141** (1) 50-55  
 The determination of patient dose from <sup>18</sup>F-FDG PET/CT examination
- Kikuchi F, Imachi H\*, Murao K, Ohyama T, Miyai Y, Kushida Y, Haba R, Kakehi Y, Ishida T// \*Kagawa Univ, Fac Med, Dept Internal Med, Div Endocrinol & Metab, 1750-1 Ikenobe, Miki, Kagawa 761 0793, Japan  
*Am J Med Sci* 2010 **340** (2) 160-163  
 Positron emission tomography with <sup>18</sup>F-fluorodeoxyglucose is a useful tool for the diagnosis of pheochromocytomas without distant metastasis, where malignancy is suspected on the basis of histopathologic analysis
- Kim SJ, Hwang SH\*, Kim IJ, Lee MK, Lee CH, Lee SY, Lee EY// \*Pusan Natl Univ Sch Med, Pusan Natl Univ Hosp, Dept Lab Med, Pusan, South Korea  
*J Exp Clin Cancer Res* 2010 **29** 69  
 The association of <sup>18</sup>F-deoxyglucose (FDG) uptake of PET with polymorphisms in the glucose transporter gene (*SLC2A1*) and hypoxia-related genes (*HIF1A*, *VEGFA*, *APEX1*) in non-small cell lung cancer. *SLC2A1* polymorphisms and FDG-PET in NSCLC patients
- Kimura Y, Simeon FG, Hatazawa J, Mozley PD, Pike VW, Innis RB, Fujita M\*// \*Natl Inst Ment Hlth, Mol Imaging Branch, 10 Center Dr, Bethesda, Md 20892, USA  
*Eur J Nucl Med Mol Imaging* 2010 **37** (10) 1943-1949  
 Biodistribution and radiation dosimetry of a positron emission tomographic ligand, <sup>18</sup>F-SP203, to image metabotropic glutamate subtype 5 receptors in humans
- Kitajima K, Murakami K, Yamasaki E, Kaji Y, Shimoda M, Kubota K, Suganuma N, Sugimura K// Dokkyo Univ, Sch Med, Dept Radiol, Nibumachi, Tochigi 321 02, Japan  
*Mol Imaging Biol* 2010 **12** (4) 452-459  
 Performance of integrated FDG-PET/contrast-enhanced CT in the diagnosis of recurrent pancreatic cancer: Comparison with integrated FDG-PET/non-contrast-enhanced CT and enhanced CT
- Koch CJ, Scheuermann JS, Divgi C, Judy KD, Kachur AV, Freifelder R, Reddin JS, Karp J, Stubbs JB, Hahn SM, Driesbaugh J, Smith D, Prendergast S, Evans SM// Univ Pennsylvania Sch Med, Dept Radiation Oncol, Philadelphia, Pa 19104, USA  
*Eur J Nucl Med Mol Imaging* 2010 **37** (11) 2048-2059  
 Biodistribution and dosimetry of <sup>18</sup>F-EF5 in cancer patients with preliminary comparison of <sup>18</sup>F-EF5 uptake versus EF5 binding in human glioblastoma
- Krabbe CA, Pruim J, Scholtens AM, Roodenburg JLN, Brouwers AH, Phan TTH, Agool A, Dijkstra PU// University Medical Centre Groningen, Dept Oral & Maxillofacial Surg, POB 30-001, NL-9700 RB Groningen, The Netherlands  
*J Oral Maxillofac Surg* 2010 **68** (1) 21-27  
<sup>18</sup>F-FDG PET in squamous cell carcinoma of the oral cavity and oropharynx: A study on inter- and intraobserver agreement
- Krengli M, Cannillo B, Turri L, Bagnasacco P, Berretta L, Ferrara T, Galliano M, Gribaudo S, Melano A, Munoz F, Sciacero P, Tseroni V, Bassi MC, Brambilla M, Inglese E// Univ Hosp Maggiore della Carita, Via Solaroli 17, IT-28100 Novara, Italy  
*Technol Cancer Res Treat* 2010 **9** (4) 393-398  
 Target volume delineation for preoperative radiotherapy of rectal cancer: Inter-observer variability and potential impact of FDG-PET/CT imaging
- Kumar R, Shandal V, Shamim SA, Jeph S, Singh H, Malhotra A// All India Inst Med Sci, Dept Nucl Med, New Delhi, India  
*Nucl Med Commun* 2010 **31** (10) 844-850  
 Role of FDG PET-CT in recurrent renal cell carcinoma
- Kwee TC, Takahara T, Ochiai R, Koh DM, Ohno Y, Nakanishi K, Niwa T, Chenevert TL, Luijten PR, Alavi A// Univ Med Ctr Utrecht, Dept Radiol, Heidelberglaan 100, NL-3584 CX Utrecht, The Netherlands  
*J Nucl Med* 2010 **51** (10) 1549-1558  
 Complementary roles of whole-body diffusion-weighted MRI and <sup>18</sup>F-FDG PET: The state of the art and potential applications
- Lin KJ, Weng YH, Wey SP, Hsiao IT, Lu CS, Skovronsky D, Chang HP, Kung MP, Yen TC\*// \*Chang Gung Memorial Hosp, Dept Nucl Med & Mol Imaging Ctr, 5 Fu-Hsing St, Kuei Shan Hsiang, Taoyuan, Taiwan  
*J Nucl Med* 2010 **51** (9) 1480-1485  
 Whole-body biodistribution and radiation dosimetry of <sup>18</sup>F-FP-(+)-DTBZ (<sup>18</sup>F-AV-133): A novel vesicular monoamine transporter 2 imaging agent
- Lin XP, Fan W\*, Lang PY, Hu YY, Zhang X, Sun XR// \*Sun Yat Sen Univ, Dept Nucl Med, State Key Lab Oncol Sthn China, Canc Ctr, 651 Dongfengdong Road, CN-510060 Guangzhou, Guangdong, Peoples Rep China  
*Int J Gynaecol Obstet* 2010 **110** (2) 154-156  
 Benign metastasizing leiomyoma identified using <sup>18</sup>F-FDG PET/CT

- Liu S, Liu Z, Chen K, Yan Y, Watzlowik P, Wester HJ, Chin FT, Chen X\*// \*Stanford University School Medicine, Molecular Imaging Prog Stanford - MIPS, Dept Radiol, Bio-X Prog, 1201 Welch Rd, P095, Stanford, Ca 94305, USA  
*Mol Imaging Biol* 2010 **12** (5) 530-538  
<sup>18</sup>F-Labeled galactose and PEGylated RGD dimers for PET imaging of  $\alpha_v\beta_3$  integrin expression
- Lodge MA, Chaudhry MA, Udall DN, Wahl RL// Johns Hopkins Univ Sch Med, Russell H Morgan Dept Radiol & Radiol Sci, Div Nucl Med, 600 Nth Wolfe St, Baltimore, Md 21287, USA  
*J Nucl Med* 2010 **51** (10) 1501-1506  
Characterization of a perirectal artifact in <sup>18</sup>F-FDG PET/CT
- Lopci E, Santi I, Tani M, Maffione AM, Montini G, Castellucci P, Stefoni V, Rubello D, Fonti C, Zinzani P, Fanti S// S Orsola-Malpighi Policlinic, Nucl Med Unit, Bologna, Italy  
*Q J Nucl Med Mol Imaging* 2010 **54** (4) 436-441  
FDG PET and <sup>90</sup>Y ibritumomab tiuxetan in patients with follicular lymphoma
- Ma C, Xie JW, Lou YH, Gao YY, Zuo SY, Wang XF// Affiliated Hosp Qingdao Univ, Coll Med, Dept Nucl Med, CN-266003 Qingdao, Shandong Prov, Peoples Rep China  
*Eur J Endocrinol* 2010 **163** (2) 177-183  
The role of TSH for <sup>18</sup>F-FDG-PET in the diagnosis of recurrence and metastases of differentiated thyroid carcinoma with elevated thyroglobulin and negative scan: A meta-analysis
- Mertens K, Slaets D, Lambert B, Acou M, De Vos F, Goethals I// Univ Hosp Ghent, Dept Nucl Med, De Pintelaan, Ghent, Belgium  
*Eur J Nucl Med Mol Imaging* 2010 **37** (11) 2188-2193  
PET with <sup>18</sup>F-labelled choline-based tracers for tumour imaging: A review of the literature
- Middendorp M, Maute L, Sauter B, Vogl TJ, Grunwald F// Hosp JW Goethe University, Dept Nucl Med, Theodor Stern Kai 7, DE-60590 Frankfurt, Germany  
*Ann Nucl Med* 2010 **24** (6) 441-446  
Initial experience with <sup>18</sup>F-fluoroethylcholine PET/CT in staging and monitoring therapy response of advanced renal cell carcinoma
- Nakajo M, Kajiya Y, Kaneko T, Kaneko Y, Takasaki T, Tani A, Ueno M, Koriyama C, Nakajo M// Nanpuh Hosp, Dept Radiol, Kagoshima 892 8512, Japan  
*Eur J Nucl Med Mol Imaging* 2010 **37** (11) 2011-2020  
FDG PET/CT and diffusion-weighted imaging for breast cancer: Prognostic value of maximum standardized uptake values and apparent diffusion coefficient values of the primary lesion
- Nam HY, Kim SJ\*, Kim IJ, Kim BS, Pak K, Kim K// \*Pusan Natl Univ Hosp, Dept Nucl Med, Busan, South Korea  
*Clin Nucl Med* 2010 **35** (10) 759-763  
The clinical implication and prediction of diffuse splenic FDG uptake during cancer surveillance
- Ng SH, Chan SC, Yen TC, Liao CT, Chang JTC, Ko SF, Wang HM, Lin CY, Chang KP, Lin YC// Chang Gung Memorial Hospital, Department Diagnostic Radiology, Linkou Medical Centre, 5 Fu Shin Street, Tao Yuan 333, Taiwan  
*Eur Radiol* 2010 **20** (9) 2229-2240  
Comprehensive imaging of residual/recurrent nasopharyngeal carcinoma using whole-body MRI at 3 T compared with FDG-PET-CT
- Pallanti S, Haznedar MM, Hollander E, LiCalzi EM, Bernardi S, Newmark R, Buchsbaum MS// Mount Sinai Sch Med, Dept Psychiat, 1 Gustave Levy Pl, New York, NY, USA  
*Neuropsychobiology* 2010 **62** (2) 132-138  
Basal ganglia activity in pathological gambling: A fluorodeoxyglucose-positron emission tomography study
- Paproski RJ, Wuest M, Jans HS, Graham K, Gati WP, McQuarrie S, McEwan A, Mercer J, Young JD, Cass CE\*// \*Cross Canc Inst, 11560 University Ave, Edmonton, Alberta, Canada T6G 1Z2  
*J Nucl Med* 2010 **51** (9) 1447-1455  
Biodistribution and uptake of 3'-deoxy-3'-fluorothymidine in ENT1-knockout mice and in an ENT1-knockdown tumor model
- Patel CN, Goldstone AR, Chowdhury FU, Scarsbrook AF\*// \*Leeds Teaching Hosp NHS Trust, St James's Univ Hosp, St James's Inst Oncol, Dept Radiol, Beckett St, Leeds LS9 7TF, England  
*Clin Radiol* 2010 **65** (7) 522-535  
FDG PET/CT in oncology: "Raising the bar" (Review)
- Pearce R, Staff RT, Heys SD// Aberdeen Royal Infirmary, Dept Nucl Med, Aberdeen AB25 2ZD, Scotland  
*Breast Cancer Res Treat* 2010 **123** (1) 281-290  
The use of FDG-PET in assessing axillary lymph node status in breast cancer: A systematic review and meta-analysis of the literature
- Petrausch U, Samaras P, Haile SR, Veit-Haibach P, Soyka JD, Knuth A, Hany TF, Mischo A, Renner C, Schaefer NG\*// \*Univ Zurich Hosp, Dept Oncol, Ramistr 100, CH-8091 Zurich, Switzerland  
*Ann Oncol* 2010 **21** (8) 1694-1698  
Risk-adapted FDG-PET/CT-based follow-up in patients with diffuse large B-cell lymphoma after first-line therapy
- Pommier P, Touboul E, Chabaud S, Dussart S, Le Pechoux C, Giammarile F, Carrie C// Lyon Univ, Dept Radiat Oncol, Ctr Leon Berard, 28 rue Laennec, FR-69373 Lyon, France  
*Am J Roentgenol* 2010 **195** (2) 350-355  
Impact of <sup>18</sup>F-FDG PET on treatment strategy and 3D radiotherapy planning in non-small cell lung cancer: A prospective multicenter study
- Poussier S, Maskali F, Tran N, Person C, Maureira P, Boutley H, Karcher G, Lacolley P, Regnault V, Fay R, Marie PY// Nancyclotep, Expt Imaging Platform, Nancy, France  
*Eur J Nucl Med Mol Imaging* 2010 **37** (9) 1745-1750  
ECG-triggered <sup>18</sup>F-fluorodeoxyglucose positron emission tomography imaging of the rat heart is dramatically enhanced by acipimox
- Provenzano FA, Jordan B, Tikofsky RS, Saxena C, Van Heertum RL, Ichise M// Columbia Univ Med Ctr, Taub Inst, New York, NY 10032, USA  
*Nucl Med Commun* 2010 **31** (11) 952-957  
<sup>18</sup>F FDG PET imaging of chronic traumatic brain injury in boxers: A statistical parametric analysis
- Quarles van Ufford HM, Van Tinteren H, Stroobants SG, Riphagen II, Hoekstra OS// Univ Med Ctr Utrecht, Dept Radiol, HP E.01.132, Heidelberglaan 100, NL-3584 CX Utrecht, The Netherlands  
*J Nucl Med* 2010 **51** (10) 1507-1516  
Added value of baseline <sup>18</sup>F-FDG uptake in serial <sup>18</sup>F-FDG PET for evaluation of response of solid extracerebral tumors to systemic cytotoxic neoadjuvant treatment: A meta-analysis
- Querellou S, Keromnes N, Abgral R, Sassolas B, Le Roux PY, Cavarec MB, Le Duc-Pennec A, Couturier O, Salaun PY// Univ Hosp, Dept Nucl Med, Blvd Tanguy Prigent, FR-29200 Brest, France  
*Nucl Med Commun* 2010 **31** (9) 766-772  
Clinical and therapeutic impact of <sup>18</sup>F-FDG PET/CT whole-body acquisition including lower limbs in patients with malignant melanoma
- Reuter S, Schnockel U, Edemir B, Schroter R, Kentrup D, Pavenstadt H, Schober O, Schlatter E, Gabriels G, Schafers M// Med Klin & Poliklin D, Albert Schweitzer Str 33, DE-48149 Munster, Germany  
*J Nucl Med* 2010 **51** (10) 1644-1652  
Potential of noninvasive serial assessment of acute renal allograft rejection by <sup>18</sup>F-FDG PET to monitor treatment efficiency
- Rominger A, Mille E, Zhang S, Boning G, Forster S, Nowak S, Gildehaus FJ, Wangler B, Bartenstein P, Cumming P// Ludwig-Maximilians Univ, Dept Nucl Med, Marchioninstr 15, DE-81377 Munich, Germany  
*J Nucl Med* 2010 **51** (10) 1576-1583  
Validation of the Octamouse for simultaneous <sup>18</sup>F-fallypride small-animal PET recordings from 8 mice
- Rommel D, Bol A, Abarca-Quinones J, Peeters F, Robert A, Labar D, Galant C, Gregoire V, Duprez T// Catholic Univ Louvain, Dept Radiol, BE-1348 Louvain, Belgium  
*Mol Imaging Biol* 2010 **12** (4) 415-423  
Rodent rhabdomyosarcoma: Comparison between total choline concentration at H-MRS and [<sup>18</sup>F]-fluoromethylcholine uptake at PET using accurate methods for collecting data
- Schellenberg D, Quon A, Minn AY, Graves EE, Kunz P, Ford JM, Fisher GA, Goodman KA, Koong AC, Chang DT\*// \*Stanford Canc Ctr, 875 Blake Wilbur Dr, Stanford, Ca 94305, USA  
*Int J Radiat Oncol Biol Phys* 2010 **77** (5) 1420-1425  
<sup>18</sup>F-fluorodeoxyglucose PET is prognostic of progression-free and overall survival in locally advanced pancreas cancer treated with stereotactic radiotherapy
- Schmidt M, Bollschweiler E, Holscher A// Univ Cologne, Dept Nucl Med, Cologne, Germany  
*Ann Surg* 2010 **252** (2) 412-413  
<sup>18</sup>F-Fluorodeoxyglucose positron emission tomography for the evaluation of neoadjuvant therapy response in esophageal cancer (Letter)
- Aguirre ACR, Ramos-Font C// Virgen de Las Nieves Hosp, Dept Nucl Med, Granada, Spain  
*Ann Surg* 2010 **252** (2) 413  
<sup>18</sup>F-Fluorodeoxyglucose positron emission tomography for the evaluation of neoadjuvant therapy response in esophageal cancer (Reply)
- Sheikine Y, Akram K// Karolinska Univ Hosp, Karolinska Inst, Expt Cardiovasc Res Unit, Ctr Mol Med, SE-17176 Stockholm, Sweden  
*Atherosclerosis* 2010 **211** (2) 371-380  
FDG-PET imaging of atherosclerosis: Do we know what we see? (Review)

- Shi K, Souvatzoglou M, Astner ST, Vaupel P, Nusslin F, Wilkens JJ, Ziegler SI// Tech Univ Munich, Dept Radiother & Radiooncol, Klin Rechts der Isar, Ismaningerstr 22, DE-81675 Munich, Germany  
*J Nucl Med* 2010 **51** (9) 1386-1394  
 Quantitative assessment of hypoxia kinetic models by a cross-study of dynamic <sup>18</sup>F-FAZA and <sup>15</sup>O-H<sub>2</sub>O in patients with head and neck tumors
- Slaets D, De Bruyne S, Dumolyn C, Moerman L, Mertens K, De Vos F// Ghent Univ, Harelbekestraat 72, BE-9000 Ghent, Belgium  
*Eur J Nucl Med Mol Imaging* 2010 **37** (11) 2136-2145  
 Reduced dimethylaminoethanol in [<sup>18</sup>F]fluoromethylcholine: An important step towards enhanced tumour visualization
- Stauss J, Hahn K, Mann M, De Palma D\*// \*Circolo Hosp, Varese, Italy  
*Eur J Nucl Med Mol Imaging* 2010 **37** (8) 1621-1628  
 Guidelines for paediatric bone scanning with <sup>99m</sup>Tc-labelled radiopharmaceuticals and <sup>18</sup>F-fluoride
- Strobel K, Fischer DR, Tamborini G, Kyburz D, Stumpe KD, Hesselmann RG, Johayem A, Von Schulthess GK, Michel BA, Ciurea A// Univ Hosp, Dept Med Radiol, Div Nucl Med, Zurich, Switzerland  
*Eur J Nucl Med Mol Imaging* 2010 **37** (9) 1760-1765  
<sup>18</sup>F-Fluoride PET/CT for detection of sacroiliitis in ankylosing spondylitis
- Tateishi U, Morita S, Taguri M, Shizukuishi K, Minamimoto R, Kawaguchi M, Murano T, Terauchi T, Inoue T, Kim EE// Yokohama City Univ Grad Sch Med, Dept Radiol, Kanazawa-ku, Kanagawa, Japan  
*Ann Nucl Med* 2010 **24** (7) 523-531  
 A meta-analysis of <sup>18</sup>F-fluoride positron emission tomography for assessment of metastatic bone tumor
- Talboom N, Van der Flier WM, Boverhoff J, Yaqub M, Wattjes MP, Raijmakers PG, Barkhof F, Scheltens P, Herholz K, Lammertsma AA, Van Berckel BN// Vrije Univ Amsterdam Med Ctr, Dept Neurol, POB 7057, NL-1007 MB Amsterdam, The Netherlands  
*J Neurol Neurosurg Psychiatry* 2010 **81** (8) 882-884  
 Molecular imaging in the diagnosis of Alzheimer's disease: Visual assessment of [<sup>11</sup>C]PIB and [<sup>18</sup>F]FDDNP PET images
- Van Loon J, Janssen MH, Ollers M, Aerts HJ, Dubois L, Hochstenbag M, Dingemans AM, Lalisang R, Brans B, Windhorst B, Van Dongen GA, Kolb H, Zhang J, De Ruyscher D, Lambin P// Maastricht Univ Med Ctr, GROW-Sch Oncol & Dev Biol, Dept Radiation Oncol, Maastricht Clin, Maastricht, The Netherlands  
*Eur J Nucl Med Mol Imaging* 2010 **37** (9) 1663-1668  
 PET imaging of hypoxia using [<sup>18</sup>F]HX4: A phase I trial
- Vos FJ, Bleeker-Rovers CP, Sturm PD, Krabbe PFM, Van Dijk APJ, Cuijpers MLH, Adang EMM, Wanten GJA, Kullberg BJ, Oyen WJG// Radboud Univ Nijmegen Med Ctr, Dept Internal Med, POB 9101, NL-6500 HB Nijmegen, The Netherlands  
*J Nucl Med* 2010 **51** (8) 1234-1240  
<sup>18</sup>F-FDG PET/CT for detection of metastatic infection in Gram-positive bacteremia
- Wong CH, Bleasel A, Wen LF, Eberl S, Byth K, Fulham M, Somerville E, Mohamed A\*// \*Royal Prince Alfred Hosp, Dept PET & Nucl Med, Missenden Rd, Camperdown, NSW 2050, Australia  
*Epilepsia* 2010 **51** (8) 1365-1373  
 The topography and significance of extratemporal hypometabolism in refractory mesial temporal lobe epilepsy examined by FDG-PET
- Wu K, Ung YC\*, Hwang D, Tsao MS, Darling G, Maziak DE, Tirona R, Mah K, Wong CS// \*Sunnybrook Odette Canc Ctr, 2075 Bayview Ave, Toronto, Ontario, Canada M4N 3M5  
*J Nucl Med* 2010 **51** (10) 1517-1523  
 Autocontouring and manual contouring: Which is the better method for target delineation using <sup>18</sup>F-FDG PET/CT in non-small cell lung cancer?
- Xu B, Shi PC, Wu HB, Guo XT, Wang QS, Zhou SY// Nanfang Hosp, Sthn Med Univ, Dept Hematol, CN-510515 Guangzhou, Guangdong, PR China  
*Clin Nucl Med* 2010 **35** (8) 567-570  
 Utility of FDG PET/CT in guiding antifungal therapy in acute leukemia patients with chronic disseminated candidiasis
- Xu HP, Zhang MA, Zhai G, Li BA\*// \*Shanghai Jiao Tong Univ, Rui Jin Hosp, Dept Nucl Med, 197 Rui Jin Er Rd, CN-200025 Shanghai, PR China  
*J Cancer Res Clin Oncol* 2010 **136** (8) 1125-1134  
 The clinical significance of <sup>18</sup>F-FDG-PET/CT in early detection of second primary malignancy in cancer patients
- Yanamoto K, Kumata K, Fujinaga M, Nengaki N, Takei M, Wakizaka H, Hosoi R, Momosaki S, Yamasaki T, Yui J, Kawamura K, Hatori A, Inoue O, Zhang MR\*// \*Natl Inst Radiol Sci, Mol Imaging Ctr, Inage-ku, Chiba 263 8555, Japan  
*Nucl Med Biol* 2010 **37** (7) 853-860  
 In vivo imaging and quantitative analysis of TSPO in rat peripheral tissues using small-animal PET with [<sup>18</sup>F]FEDAC
- Yang W, Mou T, Guo W, Jing H, Peng C, Zhang X\*, Ma Y, Liu B// \*Beijing Normal Univ, Coll Chem, MoE Key Lab Radiopharmaceut, 19 Xijiekou Outer St, CN-100875 Beijing, Peoples Rep China  
*Bioorg Med Chem Lett* 2010 **20** (16) 4840-4844  
 Fluorine-18 labeled galactosylated chitosan for asialoglycoprotein-receptor-mediated hepatocyte imaging
- Yilmaz K, Yilmaz M, Mete A, Celen Z// Gaziantep Univ, Dept Pediatrics, Gaziantep, Turkey  
*Clin Nucl Med* 2010 **35** (9) 675-681  
 A correlative study of FDG PET, MRI/CT, electroencephalography, and clinical features in subacute sclerosing panencephalitis
- Yu M, Bozek J, Guaraldi M, Kagan M, Azure M, Robinson SP// Lantheus Medical Imaging, Discovery Res, 331 Treble Cove Rd, North Billerica, Ma 01862, USA  
*J Nucl Cardiol* 2010 **17** (4) 631-636  
 Cardiac imaging and safety evaluation of BMS747158, a novel PET myocardial perfusion imaging agent, in chronic myocardial compromised rabbits
- Yui J, Maeda J, Kumata K, Kawamura K, Yanamoto K, Hatori A, Yamasaki T, Nengaki N, Higuchi M, Zhang MR\*// \*Natl Inst Radiol Sci, Dept Mol Probes, Mol Imaging Ctr, 4-9-1 Anagawa, Inage ku, Chiba 263 8555, Japan  
*J Nucl Med* 2010 **51** (8) 1301-1309  
<sup>18</sup>F-FEAC and <sup>18</sup>F-FEDAC: PET of the monkey brain and imaging of translocator protein (18-kDa) in the infarcted rat brain
- Zeng W, Sepulveda JN, Nye J, Votaw JR, Nieh PT, Carew J, Schuster DM// Emory Sch Med, Dept Radiol, Atlanta, Ga, USA  
*Nucl Med Commun* 2010 **31** (10) 859-863  
 Posterior bladder layering of excreted <sup>18</sup>F-FDG on PET/CT
- Zhang L, Higashi K\*, Ishigaki Y, Ueda Y, Sakuma T, Takegami T, Oguchi M, Xu K, Ohta Y, Nishida H, Tonami H// \*Asanogawa Gen Hosp, Dept Radiol, Kanazawa, Ishikawa 920 8621, Japan  
*Ann Nucl Med* 2010 **24** (7) 533-540  
 Assessment of VEGF-D expression measured by immunohistochemical staining and <sup>18</sup>F FDG uptake on PET as biological prognostic factors for recurrence in patients with surgically resected lung adenocarcinoma
- Zitzmann-Kolbe S, Strube A, Frisk AL, Kakonen SM, Tsukada H, Hauff P, Berndorff D, Graham K// Bayer Schering Pharma AG, Res Labs, Mullerstr 178, DE-13342 Berlin, Germany  
*J Nucl Med* 2010 **51** (10) 1632-1636  
 D-<sup>18</sup>F-Fluoromethyl tyrosine imaging of bone metastases in a mouse model
- Zukotynski KA, Fahey FH, Laffin S, Davis R, Treves ST, Grant FD, Drubach LA// Harvard Medical Sch, Dana-Farber Cancer Inst, Dept Imaging, Div Nucl Med, 44 Binney St, Boston, Ma 02115, USA  
*Eur J Nucl Med Mol Imaging* 2010 **37** (10) 1854-1860  
 Seasonal variation in the effect of constant ambient temperature of 24°C in reducing FDG uptake by brown adipose tissue in children

## 6 Carbon

- Ances BM, Christensen JJ, Teshome M, Taylor J, Xiong C, Aldea P, Fagan AM, Holtzman DM, Morris JC, Mintun MA, Clifford DB// Washington Univ, Dept Neurol, Box 8111, 660 Sth Euclid Ave, St Louis, Mo 63110, USA  
*Neurology* 2010 **75** (2) 111-115  
 Cognitively unimpaired HIV-positive subjects do not have increased <sup>11</sup>C-PiB A case-control study
- Burger C, Deschwanden A, Ametamey S, Johayem A, Mancosu B, Wyss M, Hasler G, Buck A// Univ Hosp, Dept Nucl Med, PET Ctr, CH-8091 Zurich, Switzerland  
*Nucl Med Biol* 2010 **37** (7) 845-851  
 Evaluation of a bolus/infusion protocol for <sup>11</sup>C-ABP688, a PET tracer for mGluR5
- Fagerholm V, Mikkola KK, Ishizu T, Arponen E, Kauhanen S, Nagren K, Solin O, Nuutila P, Haaparanta M// Turku PET Ctr, MediCity Res Labs, Tykistokatu 6A, FI-20520 Turku, Finland  
*J Nucl Med* 2010 **51** (9) 1439-1446  
 Assessment of islet specificity of dihydrotetabenazine radiotracer binding in rat pancreas and human pancreas
- Bormans GM// KU Leuven, Lab Radiopharmaceut Sci, Leuven, Belgium  
*J Nucl Med* 2010 **51** (9) 1335-1336  
<sup>11</sup>C-Dihydrotetabenazine beta-cell imaging (Comment on Fagerholm V *et al*)
- Fuccio C, Castellucci P, Schiavina R, Santi I, Allegrì V, Pettinato V, Boschi S, Martorana G, Al-Nahhas A\*, Rubello D, Fanti S// \*Hammersmith Hosp, Dept Nucl Med, Du Cane Rd, London, England  
*Ann Nucl Med* 2010 **24** (6) 485-492  
 Role of <sup>11</sup>C-choline PET/CT in the restaging of prostate cancer patients showing a single lesion on bone scintigraphy

- Fujimura Y, Ito H\*, Takahashi H, Yasuno F, Ikoma Y, Zhang MR, Nanko S, Suzuki K, Suhara T// \*National Inst Radiol Sci, Mol Neuroimaging Grp, Mol Imaging Ctr, Inage-ku, Chiba 263 8555, Japan  
*Nucl Med Biol* 2010 **37** (7) 831-835  
Measurement of dopamine D<sub>2</sub> receptors in living human brain using [<sup>11</sup>C]raclopride with ultra-high specific radioactivity
- Hasebe M, Yoshikawa K, Ohashi S, Toubaru S, Kawaguchi K, Sato J, Mizoe J, Tsujii H// Natl Inst Radiol Sci, Res Ctr Charged Particle Therapy, 4-9-1 Anagawa, Inage-ku, Chiba-shi, Chiba, Japan  
*Mol Imaging Biol* 2010 **12** (5) 554-562  
Study on the prognostic evaluation of carbon ion radiotherapy for head and neck adenocarcinoma with <sup>11</sup>C methionine PET
- Krause BJ, Souvatzoglou M, Herrmann K, Weber AW, Schuster T, Buck AK, Nawroth R, Weirich G, Treiber U, Wester HJ, Ziegler SI, Senekowitsch-Schmidtke R, Schwaiger M// Tech Univ Munich, Dept Nucl Med, Klin Rechts Isar, Ismaninger Str 22, DE-81675 Munich, Germany  
*Eur J Nucl Med Mol Imaging* 2010 **37** (10) 1861-1868  
[<sup>11</sup>C]Choline as pharmacodynamic marker for therapy response assessment in a prostate cancer xenograft model
- Laje G, Cannon DM, Alen AS, Klaver JM, Peck SA, Liu XM, Manji HK, Drevets WC, McMahon FJ// NIH/NIMH, Unit Genet Basis Mood & Disorders, 35 Convent Dr, Bethesda, Md 20892, USA  
*Int J Neuropsychopharmacol* 2010 **13** (6) 715-724  
Genetic variation in *HTR2A* influences serotonin transporter binding potential as measured using PET and [<sup>11</sup>C]DASB
- Law MP, Schafers K, Kopka K, Wagner S, Schober O, Schafers M// Univ Munster, European Inst Mol Imaging, Mendelstr 11, Munster, Germany  
*J Nucl Med* 2010 **51** (8) 1269-1276  
Molecular imaging of cardiac sympathetic innervation by <sup>11</sup>C-mHED and PET: From man to mouse?
- Luoto P, Laitinen I, Suilamo S, Nagren K, Roivainen A// \*Univ Turku, Turku PET Ctr, FI-20521 Turku, Finland  
*Mol Imaging Biol* 2010 **12** (4) 435-442  
Human dosimetry of carbon-11 labeled *N*-butan-2-yl-1-(2-chlorophenyl)-*N*-methylisoquinoline-3-carboxamide extrapolated from whole-body distribution kinetics and radiometabolism in rats
- Palner M, McCormick P, Parkes J, Knudsen GM, Wilson AA// Rigshospitalet, Neurobiol Res Unit, Juliane Maries Vej 24, DK-2100 Copenhagen, Denmark  
*Nucl Med Biol* 2010 **37** (7) 837-843  
Systemic catechol-*O*-methyl transferase inhibition enables the D<sub>1</sub> agonist radiotracer *R*-[<sup>11</sup>C]SKF 82957
- Saijo T, Takano A, Suhara T\*, Arakawa R, Okumura M, Ichimiya T, Ito H, Okubo Y// \*Natl Inst Radiol Sci, Dept Mol Neuroimaging, Mol Imaging Ctr, 4-9-1 Anagawa, Inage ku, Chiba 263 8555, Japan  
*Int J Neuropsychopharmacol* 2010 **13** (6) 785-791  
Effect of electroconvulsive therapy on 5-HT<sub>1A</sub> receptor binding in patients with depression: A PET study with [<sup>11</sup>C]WAY 100635
- Thiel A, Radlinska BA, Paquette C, Sidel M, Soucy JP, Schirrmacher R, Minuk J// Jewish Gen Hosp, Cote St Catherine Rd, Montreal, PQ, Canada  
*J Nucl Med* 2010 **51** (9) 1404-1412  
The temporal dynamics of poststroke neuroinflammation: A longitudinal diffusion tensor imaging-guided PET study with <sup>11</sup>C-PK11195 in acute subcortical stroke
- Van der Veldt AA, Hendrikse NH, Smit EF, Mooijer MP, Rijnders AY, Gerritsen WR, Van der Hoeven JJ, Windhorst AD, Lammertsma AA, Lubberink M// VU Univ Med Ctr, Dept Nucl Med & PET Res, PO Box 7057, NL-1007 MB Amsterdam, The Netherlands  
*Eur J Nucl Med Mol Imaging* 2010 **37** (10) 1950-1958  
Biodistribution and radiation dosimetry of <sup>11</sup>C-labelled docetaxel in cancer patients
- Yamasaki T, Kawamura K, Hatori A, Yui J, Yanamoto K, Yoshida Y, Ogawa M, Nengaki N, Wakisaka H, Fukumura T, Zhang MR// Natl Inst Radiol Sci, Dept Mol Probes, Mol Imaging Ctr, Chiba, Japan  
*Nucl Med Commun* 2010 **31** (11) 985-993  
PET study on mice bearing human colon adenocarcinoma cells using [<sup>11</sup>C]GF120918, a dual radioligand for P-glycoprotein and breast cancer resistance protein
- Assadi M, Salimpour H, Seyedabadi M, Saberifard J, Javadi H, Nabipour I, Nemati R// Bushehr Univ Med Sci, Persian Gulf Biomed Res Inst, Bushehr Res Ctr Nucl Med, Bushehr, Iran  
*Clin Nucl Med* 2010 **35** (9) 682-686  
Brain single photon emission computed tomography with <sup>99m</sup>Tc MIBI or <sup>99m</sup>Tc ECD in comparison to MRI in multiple sclerosis
- Bacovsky J, Myslivecek M, Scudla V, Koranda P, Buriankova E, Minarik J, Pika T, Zapletalova J// Med Fac & Univ Hosp, 3rd Clin Internal Med, Olomouc, Czech Republic  
*Clin Nucl Med* 2010 **35** (9) 667-670  
<sup>99m</sup>Tc MIBI scintigraphy in multiple myeloma: Prognostic value of different <sup>99m</sup>Tc MIBI uptake patterns
- Bolzati C, Refosco F, Marchiani A, Ruzza P// CNR, Inst Inorgan Chem & Surface, Corso Stati Uniti 4, IT-35127 Padua, Italy  
*Curr Med Chem* 2010 **17** (24) 2656-2683  
<sup>99m</sup>Tc-radiolabelled peptides for tumour imaging: Present and future (Review)
- Brasileiro CB, Pacheco CM, Queiroz-Junior CM, De Lima CF, Da Silva JB, De Campos TP// Univ Federal de Minas Gerais - UFMG, Escola Engenharia, Dept Engenharia Nuclear-PCA, Avda Presidente Antonio Carlos 6627, BR-31270-100 Belo Horizonte, MG, Brazil  
*Appl Radiat Isot* 2010 **68** (12) 2261-2267  
<sup>99m</sup>Tc-labeled-1-thio-β-D-glucose as a new tool to temporomandibular joint inflammatory disorders diagnosis
- Brouwer CPJM, Gemmel FFA, Welling MM// Dept Radiol, Sect Nucl Med Leiden Univ Med Ctr, Leiden, The Netherlands  
*Q J Nucl Med Mol Imaging* 2010 **54** (4) 442-450  
Evaluation of <sup>99m</sup>Tc-UBI 29-41 scintigraphy for specific detection of experimental multidrug-resistant *Staphylococcus aureus* bacterial endocarditis
- Graute V, Feist M, Lehner S, Haug A, Muller PE, Bartenstein P, Hacker M// \*Univ Munich, Dept Nucl Med, Marchioninstr, DE-81377 Munich, Germany  
*Eur J Nucl Med Mol Imaging* 2010 **37** (9) 1751-1759  
Detection of low-grade prosthetic joint infections using <sup>99m</sup>Tc-antigranulocyte SPECT/CT: Initial clinical results
- Kueh SS, Roach PJ, Schembri GP// Royal Nth Shore Hosp, Dept Nucl Med, Sydney, Australia  
*Clin Nucl Med* 2010 **35** (9) 671-674  
Role of <sup>99m</sup>Tc pertechnetate for remnant scintigraphy post-thyroidectomy
- Kuge Y, Takai N, Ogawa Y, Temma T, Zhao Y, Nishigori K, Ishino S, Kamihashi J, Kiyono Y, Shiomi M, Saji H// Kyoto Univ, Dept Patho-Functional Bioanal, Kyoto, Japan  
*Eur J Nucl Med Mol Imaging* 2010 **37** (11) 2093-2104  
Imaging with radiolabelled anti-membrane type 1 matrix metalloproteinase (MT1-MMP) antibody: Potentials for characterizing atherosclerotic plaques
- Liu H, Dong F, Meng Z\*, Zhang B, Tan J, Wang Y// \*Tianjin Med Univ Gen Hosp, Dept Nucl Med, Anshan Rd 154, Heping, CN-300052 Tianjin, PRC  
*Ann Nucl Med* 2010 **24** (7) 515-521  
Evaluation of Tourette's syndrome by <sup>99m</sup>Tc-TRODAT-1 SPECT/CT imaging
- Liu Z, Chen L, Liu S, Barber C, Stevenson GD, Furenliid LR, Barrett HH, Woolfenden JM// Univ Arizona, Dept Radiol, PO Box 245067, Tucson, AZ 85724, USA  
*J Nucl Cardiol* 2010 **17** (5) 858-867  
Kinetic characterization of a novel cationic <sup>99m</sup>Tc(I)-tricarbonyl complex, <sup>99m</sup>Tc-15C5-PNP, for myocardial perfusion imaging
- Mathur S, Shah AR, Ahlberg AW, Katten DM, Heller GV// Hartford Hosp, Nucl Cardiol Lab, Low Heart Ctr, 80 Seymour St, Hartford, Ct 06102, USA  
*J Nucl Cardiol* 2010 **17** (4) 617-624  
Blunted heart rate response as a predictor of cardiac death in patients undergoing vasodilator stress technetium-99m sestamibi gated SPECT myocardial perfusion imaging
- Okada DR, Liu Z, Johnson G, Beju D, Khaw BA, Okada RD// Univ Tulsa, 6208 Sth Oswego Ave, Tulsa Ok 74136, USA  
*Eur J Nucl Med Mol Imaging* 2010 **37** (10) 1909-1917  
<sup>99m</sup>Tc-glucuronate kinetics differentiate normal, stunned, hibernating, and nonviable myocardium in a perfused rat heart model
- Ono M, Ikeoka R, Watanabe H, Kimura H, Fuchigami T, Haratake M, Saji H, Nakayama M// Nagasaki Univ, Grad Sch Biomed Sci, 1-14 Bunkyo-machi, Nagasaki 852 8521, Japan  
*Bioorg Med Chem Lett* 2010 **20** (19) 5743-5748  
<sup>99m</sup>Tc/Re complexes based on flavone and aurone as SPECT probes for imaging cerebral β-amyloid plaques
- Petrovic NS, Grujicic D, Artiko VM, Sobic-Saranovic DP, Gajic MM, Jaksic E, Gajic MM, Antonovic OJ, Petrovic MN, Obradovic VB// Belgrade Univ Sch Med, Ctr Nucl Med, Belgrade, Serbia  
*Nucl Med Commun* 2010 **31** (11) 962-973  
Investigation of blood perfusion and metabolic activity of brain tumours in adults by using <sup>99m</sup>Tc-methoxyisobutylisonitrile



Sepulveda-Mendez J, De Murphy CA, Rojas-Bautista JC, Pedraza-Lopez M// Inst Nacl Ciencias Med & Nutr Salvador Zubiran, Nucl Med Dept, Delegacion Tlalpan, MX-14000 Mexico City, DF, Mexico  
*Nucl Med Commun* 2010 **31** (10) 889-895

Specificity of <sup>99m</sup>Tc-UBI for detecting infection foci in patients with fever in study

Song H, Luo S\*, Wei H, Song H, Yang Y, Zhao W// \*China Acad Engn Phys, Institute Nucl Phys & Chem, Mianyang, Sichuan Prov, Peoples Rep China  
*J Radioanal Nucl Chem* 2010 **285** (3) 635-639

*In vivo* biological behavior of <sup>99m</sup>Tc(CO)<sub>3</sub> labeled fullerol

Tishler M, Lysy O, Levy O, Volkov O, Golan H// Asaf Harofe Med Ctr, Dept Med B, IL-70300 Zerifin, Israel  
*Clin Exp Rheumatol* 2010 **28** (3) 360-364

<sup>99m</sup>Tc-albumin nanocolloid joint scintigraphy in rheumatoid arthritis patients who are in clinical remission - Is remission real?

Van Leeuwen FW, Buckle T, Batteau L, Pool B, Sinaasappel M, Jonkers J, Gilhuijs KG// Antoni van Leeuwenhoek Hosp, Netherlands Canc Inst, Dept Radiol & Nucl Med, NL-1066 CX Amsterdam, The Netherlands  
*Appl Radiat Isot* 2010 **68** (12) 2117-2124

Potential value of color-coded dynamic breast-specific  $\gamma$ -imaging; comparing <sup>99m</sup>Tc-(V)-DMSA, <sup>99m</sup>Tc-MIBI, and <sup>99m</sup>Tc-HDP in a mouse mammary tumor model

Yalcin H, Gencoglu EA, Yagmurdu M, Aras M, Ozen A, Aktas A// Mustafa Kemal Univ, Dept Nucl Med, Antioch, Hatay, Turkey  
*Nucl Med Commun* 2010 **31** (10) 903-909

Comparison of efficacy of <sup>99m</sup>Tc HIG and <sup>99m</sup>Tc nanocolloid on sentinel lymph node mapping in patients with breast cancer

Yang CY, Park SA\*, Oh KJ, Yang YS// \*Wonkwang University, Coll Med, Dept Nucl Med, 344-2 Shinyong dong, Iksan 570 749, Jeollabuk do, South Korea  
*Ann Nucl Med* 2010 **24** (6) 455-460

The assessment of bee venom responses in an experimental model of mono-arthritis using <sup>99m</sup>Tc DPD bone scintigraphy

Zhao J, Qu X, Qi Y, Zhou W, Liu X\*// \*Fudan University, Hua Shan Hosp, Dept Nucl Med, 12 Middle Urumqi Rd, CN-200040 Shanghai, Peoples Rep China  
*Nucl Med Commun* 2010 **31** (10) 910-915

Study on retinal dopamine transporter in form deprivation myopia using the radiopharmaceutical tracer <sup>99m</sup>Tc-TRODAT-1

## 8 Iodine

Grewal RK, Tuttle RM, Fox J, Borkar S, Chou JF, Gonen M, Strauss HW, Larson SM, Schoder H// Nucl Med Serv, Dept Radiol, Memorial Sloan-Kettering Canc Ctr, 1275 York Ave, New York, NY 10065, USA  
*J Nucl Med* 2010 **51** (9) 1361-1367

The effect of posttherapy <sup>131</sup>I SPECT/CT on risk classification and management of patients with differentiated thyroid cancer

Huang CI, Yao WJ, Sun YN\*// \*Natl Cheng Kung Univ, Dept Comp Sci & Informat Engn, Tainan 701, Taiwan  
*Nucl Med Commun* 2010 **31** (8) 734-740

New methods for registering long-time <sup>123</sup>I ADAM SPECT image sequences to magnetic resonance images

Iida H, Nakagawara J, Hayashida K, Fukushima K, Watabe H, Koshino K, Zeniya T, Eberl S// Natl Cerebral & Cardiovascular Ctr - Res Inst, Dept Investigative Radiol, 5-7-1 Suita City, Osaka 565 8565, Japan  
*J Nucl Med* 2010 **51** (10) 1624-1631

Multicenter evaluation of a standardized protocol for rest and acetazolamide cerebral blood flow assessment using a quantitative SPECT reconstruction program and split-dose <sup>123</sup>I-iodoamphetamine

Kasama S, Toyama T, Sumino H, Kumakura H, Takayama Y, Minami K, Ichikawa S, Matsumoto N, Sato Y, Kurabayashi M// Gunma Univ Grad Sch Med, Dept Med & Biol Sci Cardiovascular Med, Maebashi, Japan  
*Nucl Med Commun* 2010 **31** (9) 807-813

Serial cardiac <sup>123</sup>I-metaiodobenzylguanidine scintigraphic studies are more useful for predicting cardiac death than one-time scan in patients with chronic heart failure: Sub-analysis of our previous report

Palumbo B, Fravolini ML, Nuvoli S, Spanu A, Paulus KS, Schillaci O, Madeddu G// University Perugia, Ospedale S Maria della Misericordia, Dept Surg Radiol & Odontostomatological Sci, S Andrea delle Fratte, Perugia  
*Eur J Nucl Med Mol Imaging* 2010 **37** (11) 2146-2153

Comparison of two neural network classifiers in the differential diagnosis of essential tremor and Parkinson's disease by <sup>123</sup>I-FP-CIT brain SPECT

Rottenburger C, Juettner E, Harttrampf AC, Hentschel M, Kontny U, Roessler J// Univ Hosp Freiburg, Dept Nucl Med, Hugstetter Str 55, DE-79106 Freiburg, Germany  
*Br J Radiol* 2010 **83** (992) e168-e171

False-positive radio-iodinated metaiodobenzylguanidine (<sup>123</sup>I-MIBG) accumulation in a mast cell-infiltrated infantile haemangioma

Scholte AJ, Schuijff JD, Delgado V, Kok JA, Bus MT, Maan AC, Stokkel MP, Kharagitsingh AV, Dibbets-Schneider P, Van der Wall EE, Bax JJ// Leiden University Medical Centre, Department Cardiology, Leiden, The Netherlands  
*Eur J Nucl Med Mol Imaging* 2010 **37** (9) 1698-1705

Cardiac autonomic neuropathy in patients with diabetes and no symptoms of coronary artery disease: Comparison of <sup>123</sup>I-metaiodobenzylguanidine myocardial scintigraphy and heart rate variability

Carrio I, Flotats A// Univ Autonoma Barcelona, Hosp St Pau, Dept Nucl Med, ES-08193 Barcelona, Spain  
*Eur J Nucl Med Mol Imaging* 2010 **37** (9) 1696-1697

Cardiac sympathetic imaging with mIBG: A tool for better assessment of the diabetic heart (Comment on Scholte *et al*)

Tondeur MC, Hambye AS, Dethy S, Ham HR// Centre Hospitalier Universitaire St Pierre, Serv Radioisotopes, rue Haute 322, BE-1000 Brussels, Belgium  
*Nucl Med Commun* 2010 **31** (8) 717-725

Interobserver reproducibility of the interpretation of <sup>123</sup>I FP-CIT single-photon emission computed tomography

Van de Giessen E, Booij J\*// \*University Amsterdam Academic Medical Centre, Dept Nucl Med, Meibergdreef 9, NL-1105 AZ Amsterdam, The Netherlands  
*Eur J Nucl Med Mol Imaging* 2010 **37** (8) 1507-1511

The SPECT tracer [<sup>123</sup>I]ADAM binds selectively to serotonin transporters: A double-blind, placebo-controlled study in healthy young men

## 9 Copper

Cai H, Li Z, Huang CW, Shahinian AH, Wang H, Park R, Conti PS\*// \*Univ Sthn California, Keck Sch Med, Mol Imaging Ctr, Los Angeles, Ca 90033, USA  
*Bioconjug Chem* 2010 **21** (8) 1417-1424

Evaluation of copper-64 labeled AmBaSar conjugated cyclic RGD peptide for improved microPET imaging of integrin  $\alpha_v\beta_3$  expression

Ferreira CL, Yapp DT, Crisp S, Sutherland BW, Ng SS, Gleave M, Bensimon C, Jurek P, Kiefer GE// MDS Nordion, Vancouver, Brit Columbia, Canada V6T 2A3  
*Eur J Nucl Med Mol Imaging* 2010 **37** (11) 2117-2126

Comparison of bifunctional chelates for <sup>64</sup>Cu antibody imaging

Lane SR, Nanda P, Rold TL, Sieckman GL, Figueroa SD, Hoffman TJ, Jurisson SS, Smith CJ\*// \*Harry S Truman Memorial VA Hospital, Research Service, Room A005, 800 Hospital Drive, Columbia, Missouri 65201, USA  
*Nucl Med Biol* 2010 **37** (7) 751-761

Optimization, biological evaluation and microPET imaging of copper-64-labeled bombesin agonists, [<sup>64</sup>Cu-NO<sub>2</sub>A-(X)-BBN(7-14)NH<sub>2</sub>], in a prostate tumor xenografted mouse model

Lim S, Paterson BM, Fodero-Tavoletti MT, O'Keefe GJ, Cappai R, Barnham KJ, Villemagne VL\*, Donnelly PS// \*Mental Hlth Res Inst, Melbourne, Vic 3010, Australia  
*Chem Commun* 2010 **46** (30) 5437-5439

A copper radiopharmaceutical for diagnostic imaging of Alzheimer's disease: A bis(thiosemicarbazonato)copper(II) complex that binds to amyloid- $\beta$  plaques

Liu D, Overbey D, Watkinson LD, Smith CJ, Daibes-Figueroa S, Hoffman TJ, Forte LR, Volkert WA, Giblin MF\*// \*University Missouri-Columbia, Harry S Truman Memorial Veterans Hospital, Department Radiology, A004 Research Service, 800 Hospital Drive, Columbia, Missouri 65201, USA  
*Bioconjug Chem* 2010 **21** (7) 1171-1176

Comparative evaluation of three <sup>64</sup>Cu-labeled *E. coli* heat-stable enterotoxin analogues for PET imaging of colorectal cancer

Xie HA, Wang ZJ, Bao AD, Goins B, Philips WT// Texas Sthn Univ, Coll Pharm & Hlth Sci, Dept Pharmaceut Sci, 3100 Cleburn St, Houston, Tx 77004, USA  
*Int J Pharm* 2010 **395** (1-2) 324-330

*In vivo* PET imaging and biodistribution of radiolabeled gold nanoshells in rats with tumor xenografts

## 10 Gallium

Autio A, Ujula T, Luoto P, Salomaki S, Jalkanen S, Roivainen A// \*Univ Turku & Turku Univ Hosp, Turku PET Ctr, FI-20521 Turku, Finland  
*Eur J Nucl Med Mol Imaging* 2010 **37** (10) 1918-1925

PET imaging of inflammation and adenocarcinoma xenografts using vascular adhesion protein 1 targeting peptide <sup>68</sup>Ga-DOTAVAP-P1: Comparison with <sup>18</sup>F-FDG

Haug AR, Auernhammer CJ, Wangler B, Schmidt GP, Uebles C, Goke B, Cumming P, Bartenstein P, Tiling R, Hacker M// Klin Grosshadern, Dept Nucl Med, Marchionistr 15, DE-81377 Munich, Germany  
*J Nucl Med* 2010 **51** (9) 1349-1356

<sup>68</sup>Ga-DOTATATE PET/CT for the early prediction of response to somatostatin receptor-mediated radionuclide therapy in patients with well-differentiated neuroendocrine tumors

Jalilian AR, Jouiaei M, Doroudi A, Garousi J, Moradkhani S// NSTRI - RRD, IR-14155-1339 Tehran, Iran  
*J Radioanal Nucl Chem* 2010 **285** (3) 555-561

Preparation and biological evaluation of radiogallium labeled glucagon for SPECT imaging

Okada M, Sato N, Ishii K, Matsumura K, Hosono M, Murakami T// Kinki Univ, Sch Med, Dept Radiol, 377-2 Ohino Higashi, Osaka 589 8511, Japan  
*Radiographics* 2010 **30** (4) 939-957

FDG PET/CT versus CT, MR imaging, and <sup>67</sup>Ga scintigraphy in the post-therapy evaluation of malignant lymphoma

Thews O, Dillenburg W, Fellner M, Buchholz HG, Bausbacher N, Schreckenberger M, Rosch F// Univ Med Mainz, Inst Physiol & Pathophysiol, Duesbergweg 6, DE-55099 Mainz, Germany  
*Eur J Nucl Med Mol Imaging* 2010 **37** (10) 1935-1942

Activation of P-glycoprotein (Pgp)-mediated drug efflux by extracellular acidosis: *In vivo* imaging with <sup>68</sup>Ga-labelled PET tracer

## 11 Indium

Heskamp S, Van Laarhoven HW, Molkenboer-Kuening JD, Franssen GM, Versleijen-Jonkers YM, Oyen WJ, Van der Graaf WT, Boerman OC// Radboud Univ Nijmegen Med Ctr, Dept Nucl Med, Internal Postal Code 444, PO Box 9101, NL-6500 HB Nijmegen, The Netherlands  
*J Nucl Med* 2010 **51** (10) 1565-1572

ImmunoSPECT and immunoPET of IGF-1R expression with the radiolabeled antibody R1507 in a triple-negative breast cancer model

Wong JY, Raubitschek A, Yamauchi D, Williams LE, Wu AM, Yazaki P, Shively JE, Colcher D, Somlo G// Beckman Res Inst, Dept Radiation Oncol & Radiation Res, City of Hope Canc Ctr, 1500 East Duarte Rd, Duarte, Ca 91010, USA  
*Cancer Biother Radiopharm* 2010 **25** (4) 387-394

A pretherapy biodistribution and dosimetry study of indium-111-radiolabeled trastuzumab in patients with human epidermal growth factor receptor 2-overexpressing breast cancer

## 12 Hydrogen

Plotnik DA, Emerick LE, Krohn KA, Unadkat JD, Schwartz JL// \*Univ Washington, Dept Radiation Oncol, 1959 NE Pacific St, Box 356069, Seattle, Wa 98195, USA  
*J Nucl Med* 2010 **51** (9) 1464-1471

Different modes of transport for <sup>3</sup>H-thymidine, <sup>3</sup>H-FLT, and <sup>3</sup>H-FMAU in proliferating and nonproliferating human tumor cells

## 13 Others

Holland JP, Divilov V, Bander NH, Smith-Jones PM, Marson SM, Lewis JS// \*Memorial Sloan Kettering Canc Ctr, Dept Radiol, Radiochem Serv, 1275 York Ave, New York, NY 10065, USA  
*J Nucl Med* 2010 **51** (8) 1293-1300

<sup>89</sup>Zr-DFO-J591 for immunoPET of prostate-specific membrane antigen expression *in vivo*

Senthamizchelvan S, Bravo PE, Esaias C, Lodge MA, Merrill J, Hobbs RF, Sgouros G, Bengel FM// \*Johns Hopkins Univ, Russell H Morgan Dept Radiol, Div Nucl Med, 601 Nth Caroline St, JHOC 3225, Baltimore, Md 21287, USA  
*J Nucl Med* 2010 **51** (10) 1592-1599

Human biodistribution and radiation dosimetry of <sup>82</sup>Rb

Watanabe S, Hanaoka H, Liang JX, Iida Y, Endo K, Ishioka NS// 1233 Watanuki-machi, Takasaki, Gunma 370 1292, Japan  
*J Nucl Med* 2010 **51** (9) 1472-1479

PET imaging of norepinephrine transporter-expressing tumors using <sup>76</sup>Br-meta-bromobenzylguanidine

## 14 Therapy

Grudzinski JJ, Burnette RR, Weichert JP, Jeraj R// Univ Wisconsin Sch Med & Publ Hlth, Dept Med Phys, 1111 Highland Ave, Madison, WI 53705, USA  
*Cancer Biother Radiopharm* 2010 **25** (4) 417-426

Dosimetric effectiveness of targeted radionuclide therapy based on a pharmacokinetic landscape

Hens M, Vaidyanathan G, Zhao XG, Bigner DD, Zalutsky MR// \*DUMC, Dept Radiol, Durham, NC 27710, USA  
*Nucl Med Biol* 2010 **37** (7) 741-750

Anti-EGFRvIII monoclonal antibody armed with <sup>177</sup>Lu: *In vivo* comparison of macrocyclic and acyclic ligands

Hubble D, Kong G, Michael M, Johnson V, Ramdave S, Hicks RJ// \*Peter MacCallum Canc Ctr, Ctr Mol Imaging, East Melbourne, Vic 3002, Australia  
*Eur J Nucl Med Mol Imaging* 2010 **37** (10) 1869-1875

<sup>177</sup>Lu-octreotate, alone or with radiosensitising chemotherapy, is safe in neuroendocrine tumour patients previously treated with high-activity <sup>111</sup>In-octreotide

Lhommel R, Van Elmbt L, Goffette P, Van den Eynde M, Jamar F, Pauwels S, Walrand S// \*Univ Catholique Louvain, Dept Nucl Med, Clin Univ Saint Luc, Brussels, Belgium  
*Eur J Nucl Med Mol Imaging* 2010 **37** (9) 1654-1662

Feasibility of <sup>90</sup>Y TOF PET-based dosimetry in liver metastasis therapy using SIR-Spheres

Menda Y, O'Dorisio MS, Kao S, Khanna G, Michael S, Connolly M, Babich J, O'Dorisio T, Bushnell D, Madsen M// Univ Iowa Hosp & Clin, 200 Hawkins Dr, Iowa City, Ia 52242, USA  
*J Nucl Med* 2010 **51** (10) 1524-1531

Phase I trial of <sup>90</sup>Y-DOTATOC therapy in children and young adults with refractory solid tumors that express somatostatin receptors

Rasaneh S, Rajabi H\*, Hossein Babaei M, Johari Daha F// \*Dept Med Phys, Fac Med Sci, Tarbiat Modares Univ, PO Box 14115-331, Tehran, Iran  
*Appl Radiat Isot* 2010 **68** (10) 1964-1966

Toxicity of trastuzumab labeled <sup>177</sup>Lu on MCF7 and SKBr3 cell lines

Strigari L, Sciuto R, Rea S, Carpanese L, Pizzi G, Soriani A, Iaccarino G, Benassi M, Ettore GM, Maini CL// Regina Elena Natl Canc Inst, Lab Med Phys & Expert Systems, Via E Chianesi 53, IT-00144 Rome, Italy  
*J Nucl Med* 2010 **51** (9) 1377-1385

Efficacy and toxicity related to treatment of hepatocellular carcinoma with <sup>90</sup>Y-SIR spheres: Radiobiologic considerations

William BM, Bierman PJ// Univ Nebraska Med Ctr, Hematol Oncol Sect, 987680 Nebraska Med Ctr, Omaha, Ne 68198, USA  
*Expert Opin Biol Ther* 2010 **10** (8) 1271-1278

<sup>131</sup>I Tositumomab (Review)

Zolghadri S, Jalilian AR\*, Yousefnia H, Bahrami-Samani A, Shirvani-Arani S, Ghannadi-Maragheh M// \*NSTRI - RRD, IR-14155-1339 Tehran, Iran  
*J Radioanal Nucl Chem* 2010 **285** (3) 461-467

Development of <sup>166</sup>Ho bleomycin as a possible therapeutic complex

## 15 Environmental

Duringer JM, Craig AM, Smith DJ, Chaney RL// Oregon State Univ, Dept Environm & Mol Toxicol, 139 Oak Creek Bldg, Corvallis, Or 97331, USA  
*Environ Sci Technol* 2010 **44** (16) 6325-6330

Uptake and transformation of soil [<sup>14</sup>C]-trinitrotoluene by cool-season grasses

Majumder B, Kuzyakov Y// Univ Bayreuth, Agroecosystem Res Dept, Bayceer Universitastr 30, DE-95440 Bayreuth, Germany  
*Soil Tillage Res* 2010 **109** (2) 94-102

Effect of fertilization on decomposition of <sup>14</sup>C labelled plant residues and their incorporation into soil aggregates

Snajdr J, Steffen KT, Hofrichter M, Baldrian P// \*ASCR, Inst Microbiol, Lab Environm Microbiol, Videnska 1083, CZ-14220 Prague, Czech Republic  
*Soil Biol Biochem* 2010 **42** (9) 1541-1548

Transformation of <sup>14</sup>C-labelled lignin and humic substances in forest soil by the saprobic basidiomycetes *Gymnopus erythropus* and *Hypholoma fasciculare*