

BIOGRAPHICAL SKETCH

NAME in English Tzu-Chen Yen	POSITION TITLE Professor and Director, Molecular Imaging Center and Department of Nuclear Medicine, Chang Gung Memorial Hospital and University		
NAME in Chinese 閻紫宸			
EDUCATION/TRAINING			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	MM/YY	FIELD OF STUDY
National Yang Ming University	B.S.	06/82	Medicine
National Yang Ming University	Ph.D.	06/91	Institute of Clinical Medicine

A. Positions and Honors

Positions and Employment

1982-1986	Resident, Department of Nuclear Medicine, Veterans General Hospital-Taipei
1986-1996	Attending Physician, Department of Nuclear Medicine, Veterans General Hospital-Taipei
1992-1996	Associate Professor, Department of Medicine, School of Medicine, National Yang-Ming University-Taipei
1997-2002	Attending Physician, Department of Nuclear Medicine, Chang Gung Memorial Hospital-Taipei
1997-	Associate Professor, Department of Medicine, School of Medicine, Chang Gung University
2001-	Visiting Professor, Department of Medicine, School of Medicine, Fu Dan University, Shanghai, China
2001-	Visiting Professor, Peking Union Medical College Hospital, Peking, China
2002-	Professor and Director, Department of Nuclear Medicine, Chang Gung Memorial Hospital

Other Experience and Professional Memberships

1994-1998	Vice General Secretary, Society of Nuclear Medicine, Taiwan
2002-2006	Director, PET Committee, Society of Nuclear Medicine, Taiwan.
2005	Organizer of Continuing Education, Society of Nuclear Medicine, USA
2005	Session Chairperson, Society of Nuclear Medicine, USA
2006	Scientific Committee, Society of Nuclear Medicine, USA
2006	Session Chairperson, the 9 th World Congress of Nuclear Medicine
2006	Organizer of Continuing Education, the 9 th World Congress of Nuclear Medicine
2007	Scientific Committee, Society of Nuclear Medicine, USA
2009/7/29~2011/6/30	業務指導顧問，財團法人醫藥品查驗中心(Center For Drug Evaluation)

Honors

2001	National Science Council Research Grant
2002	National Science Council Research Grant
2003	National Science Council Research Grant
2004	National Science Council Research Grant
2002 June	National Science Council & Institute of Nuclear Energy Research Mutual Excellent Research Achievement
2004 May	National Science Council & Institute of Nuclear Energy Research Mutual Excellent Research Achievement

B. Selected Peer-reviewed Publications (2005-2010) (in chronological order)

1. Chan SC, Ng SH, **Yen TC**, Chang JT, Chen TM. False-positive findings on F-18 fluoro-2-deoxy-D-glucose positron emission tomography in a patient with nasopharyngeal carcinoma and extensive sinusitis. *Clin Nucl Med* 2005; 30: 62-63 (SCI=3.915)
2. **Yen TC**, Chang YC, Chan SC, et al. Are dual-phase 18F-FDG-PET scans necessary in nasopharyngeal carcinoma to assess the primary tumor and loco-regional nodes? *Eur J Nucl Med Mol I* 2005; 32: 541-548 (SCI=4.531)
3. Liu FY, Chen JS, Changchien CR, Yeh CY, Liu SH, Ho KC, **Yen TC***. Utility of 2-Fluoro-2-deoxy-D-glucose positron emission tomography in managing patients of colorectal cancer with unexplained carcinoembryonic antigen elevation at different levels running head: FDG-PET for unexplained CEA elevation *Dis Colon Rectum* 2005; 45: 1900-12 (SCI=2.536) (correspondence)
4. Ng SH, **Yen TC**, Liao CT, Chang Joseph TC, Chan SC, Ko SF, Wang HM, Wong HF. 18F-Fluoro-2-Deoxyglucose positron emission tomography and CT/MRI in oral cavity squamous cell carcinoma: A prospective study of 124 patients with histological correlation *J Nucl Med* 2005; 46: 1136-1143 (SCI=6.424)
5. **Yen TC**, Chang Joseph TC, Ng SH, et al. Staging of untreated squamous cell carcinoma of buccal mucosa with 18F-FDG PET: comparison with head and neck CT/MRI and histopathology. *J Nucl Med* 2005; 46: 775-781. (SCI=6.424)
6. **Yen TC**, Ng SH, Chan SC, et al. The value of 18F-FDG PET in the detection of stage M0 carcinoma of the nasopharynx. *J Nucl Med* 2005; 46:405-410. (SCI=6.424)
7. Joseph TC Chang, Chan SC, **Yen TC**, et al. NASOPHARYNGEAL CARCINOMA STAGING BY (18)F-FLUORODEOXYGLUCOSE POSITRON EMISSION TOMOGRAPHY *Int J Radiat Oncol* 2005; 62: 501-507. (SCI=4.592)
8. Ho KC, Ng KK, **Yen TC**, Chou HH. An ovary in luteal phase mimicking common iliac lymph node metastasis from a primary cutaneous peripheral primitive neuroectodermal tumour as revealed by 18-fluoro-2-deoxyglucose positron emission tomography. *Brit J Radiol* 2005; 78: 343-345. (SCI=2.105)
9. Chang YC, **Yen TC**, Ng KK, et al. Does diabetes mellitus influence the efficacy of FDG-PET in the diagnosis of cervical cancer? *Eur J Nucl Med Mol I* 2005;32:647-52. (SCI=4.531)
10. Chou HH, Chang TC, **Yen TC**, Ng KK, Hsueh S, Ma SY, Chang CJ, Huang HJ, Chao A, Wu TI, Jung SM, Wu YC, Lin CT, Huang KG, Lai CH. Low value of [18F]-fluoro-2-deoxy-D-glucose positron emission tomography in primary staging of early-stage cervical cancer before radical hysterectomy. *J Clin Oncol* 2006 ;24 :123-8. (SCI=17.793)
11. Liao CT, Chang JT, Wang HM, Ng SH, Hsueh C, Lee LY, Lin CH, Chen IH, Kang CJ, Huang SF, Tsai MF, **Yen TC***. Surgical outcome of T4a and resected T4b oral cavity cancer. *Cancer* 2006; 107 :337-44. (SCI=5.418) (correspondence)
12. Ng SH, **Yen TC**, Chang JT, Chan SC, Ko SF, Wang HM, Lee LY, Kang CJ, Wong AM, Liao CT. Prospective study of [18F]fluorodeoxyglucose positron emission tomography and computed tomography and magnetic resonance imaging in oral cavity squamous cell carcinoma with palpably negative neck. *J Clin Oncol* 2006; 24 :4371-6. (SCI=17.793)
13. Liu FY, Chang TC Joseph, Wang HM, Liao CT, Kang CJ, Ng SH, Chan SC, **Yen TC***. [18F]fluorodeoxyglucose positron emission tomography is more sensitive than skeletal scintigraphy for detecting bone metastasis in endemic nasopharyngeal carcinoma at initial staging. *J Clin Oncol* 2006;

24: 599-604. (SCI=17.793) (correspondence)

14. Cheung YC, Chen SC, Hsieh IC, Lo YF, Tsai HP, Hsueh S, **Yen TC**. Multidetector computed tomography assessment on tumor size and nodal status in patients with locally advanced breast cancer before and after neoadjuvant chemotherapy. *Eur J Surg Oncol* 2006; 32:1186-1190
15. Chan SC, Ng SH, Chang Joseph TC, Lin CY, Chen YC, Chang YC, Hsu CL, Wang HM, Liao CT, **Yen TC***. Advantages and pitfalls of 18F-fluoro-2-deoxy-D-glucose positron emission tomography in detecting locally residual or recurrent nasopharyngeal carcinoma: comparison with magnetic resonance imaging. *Eur J Nucl Med Mol I* 2006; 33 :1032-40. (SCI=4.531) (correspondence)
16. Chang TC, **Yen TC**, Li YT, Wu YC, Chang YC, Ng KK, Jung SM, Wu TI, Lai CH. The role of 18F-fluorodeoxyglucose positron emission tomography in gestational trophoblastic tumours: a pilot study. *Eur J Nucl Med Mol I* 2006; 33 :156-63. (SCI=4.531)
17. Chao A, Chang TC, Ng KK, Hsueh S, Huang HJ, Chou HH, Tsai CS, **Yen TC**, Wu TI, Lai CH. 18F-FDG PET in the management of endometrial cancer. *Eur J Nucl Med Mol I* 2006; 33 :36-44. (SCI=4.531)
18. Lin KJ, Liu CY, Wey SP, Hsiao IT, Wu J, Fu YK, **Yen TC***. Brain SPECT imaging and whole-body biodistribution with [(123)I]ADAM - a serotonin transporter radiotracer in healthy human subjects. *Nucl Med Biol* 2006; 33: 193-202. (SCI=2.456) (correspondence)
19. **Yen TC**, Lai CH. Positron emission tomography in gynecologic cancer. *Semin Nucl Med* 2006; 36 :93-104. (SCI=3.962)
20. Liao CT, Wang HM, Hsieh LL, Chang Joseph TC, Ng SH, Hsueh C, Lee LY, Lin CH, Chen IH, Kang CJ, Huang SF, **Yen TC***. Higher distant failure in young age tongue cancer patients. *Oral Oncol* 2006; 42: 718-725. (SCI=3.123) (correspondence)
21. Liao CT, Wang HM, Ng SH, **Yen TC***, Lee LY, Hsueh C, Wei FC, Chen IH, Kang CJ, Huang SF, Chang Joseph TC. Good tumor control and survivals of squamous cell carcinoma of buccal mucosa treated with radical surgery with or without neck dissection in Taiwan. *Oral Oncol* 2006; 42:800-809. (SCI=3.123) (correspondence)
22. **Yen TC**, Lin CY, Wang HM, Huang SF, Liao CT, Kang CJ, Ng SH, Chan SC, Fan KH, Chen IH, Lin WJ, Cheng AJ, Chang JT. 18F-FDG-PET for evaluation of the response to concurrent chemoradiation therapy with intensity-modulated radiation technique for Stage T4 nasopharyngeal carcinoma. *Int J Radiat Oncol* 2006; 65:1307-14. (SCI=4.592)
23. Chan SC, **Yen TC**, Ng KK, et al. Upper pole of a duplex kidney mimicking adrenal incidentaloma in 18F-fluoro-2-deoxy-D-glucose positron emission tomography: A pitfall in diagnosis. *Brit J Radiol* 2006; 79:e50-2. (SCI=2.105)
24. Lin CT, **Yen TC**, Chang TC, Ng KK, Tsai CS, Ho KC, Lai CH. Role of [18F]fluoro-2-deoxy-D-glucose positron emission tomography in re-recurrent cervical cancer. *Int J Gynecol Cancer* 2006;16:1994-2003. (SCI=2.179)
25. **Yen TC**, Lai CH, Ma SY, Huang KG, Huang HJ, Hong JH, Hsueh S, Lin WJ, Ng KK, Chang TC. Comparative benefits and limitations of (18)F-FDG PET and CT-MRI in documented or suspected recurrent cervical cancer. *Eur J Nucl Med Mol I* 2006;33:1399-407 (SCI=4.531)
26. Chan SC, **Yen TC**, Ng SH, Lin CY, Wang HM, Liao CT, Fan KH, Chang JT. Differential roles of 18F-FDG PET in patients with locoregional advanced nasopharyngeal carcinoma after primary curative therapy: response evaluation and impact on management. *J Nucl Med* 2006;47:1447-54. (SCI=6.424)

27. Liao CT, Wang HM, Chang TC, Ng SH, Hsueh C, Lee LY, Lin CH, Chen I-H, Huang SF, **Yen TC***. Analysis of risk factors for distant metastases in squamous cell carcinoma of the oral cavity. *Cancer* 2007;110:1501-8 (SCI=5.418) (correspondence)
28. Liao CT, Chang TC, Wang HM, Ng SH, Hsueh C, Lee LY, Lin CH, Chen IH, Huang SF, Cheng AJ, **Yen TC***. Survival in squamous cell carcinoma of the oral cavity: differences between pT4 N0 and other stage IVA categories. *Cancer* 2007;110:564-571. (SCI=5.418) (correspondence)
29. Liao CT, Chang JT, Wang HM, Ng SH, Hsueh C, Lee LY, Lin CH, Chen IH, Huang SF, Cheng AJ, **Yen TC***. Salvage therapy in relapsed squamous cell carcinoma of the oral cavity: How and when? *Cancer* 2007;112:94-103 (SCI=5.418) (correspondence)
30. Lai CH, **Yen TC**, Chang TC. Positron emission tomography imaging for gynecologic malignancy. *Curr Opin Obstet Gyn* 2007;19:37-41. (SCI=2.491)
31. Weng YH, Wu Chou YH, Wu WS, Lin KJ, Chang HC, **Yen TC**, Chen RS, Wey SP, Lu CS. PINK1 mutation in Taiwanese early-onset parkinsonism: Clinical, genetic, and dopamine transporter studies. *J Neurol* 2007;254:1347-55 (SCI=2.903)
32. Tseng MJ, Ho KC, Lin G, **Yen TC**, Tsai CS, Lai CH. Peritoneal metastasis in primary cervical cancer: a case report. *Eur J Gynaecol Oncol* 2007;28:225-8. (SCI=0.614)
33. Qiu JT, Ho KC, Lai CH, **Yen TC**, Huang YT, Chao A, Chang TC. Supraclavicular lymph node metastases in cervical cancer. *Eur J Gynaecol Oncol* 2007;28:33-8. (SCI=0.614)
34. Kung HF, Kung MP, Wey SP, Lin KJ, **Yen TC**. Clinical acceptance of a molecular imaging agent: a long march with [(99m)Tc]TRODAT *Nucl Med Biol* 2007;34:787 -789 (SCI=2.456)
35. Liao CT, Ng SH, Chang JT, Wang HM, Hsueh C, Lee LY, Tsao CK, Chen WH, Chen IH, Kang CJ, Huang SF, **Yen TC***. T4b oral cavity cancer below the mandibular notch is resectable with a favorable outcome. *Oral Oncol* 2007;43:570-9 (SCI=3.123) (correspondence)
36. Liao CT, Kang CJ, Chang JT, Wang HM, Ng SH, Hsueh C, Lee LY, Lin CH, Cheng AJ, Chen IH, Huang SF, **Yen TC***. Survival of second and multiple primary tumors in patients with oral cavity squamous cell carcinoma in the betel quid chewing area. *Oral Oncol* 2007;43:811-9 (SCI=3.123) (correspondence)
37. Liu FY, Lin CY, Chang TC, Ng SH, Chin SC, Wang HM, Liao CT, Chan SC, **Yen TC***. 18F-FDG PET can replace conventional work-up in primary M staging of nonkeratinizing nasopharyngeal carcinoma *J Nucl Med* 2007;48:1614-1619 (SCI=6.424) (correspondence)
38. Liao CT, Chang TC, Wang HM, Ng SH, Hsueh C, Lee LY, Lin CH, Chen IH, Huang SF, Cheng AJ, See LC, **Yen TC***. Does adjuvant radiation therapy improve outcome in pT1-3N0 oral cavity cancer with tumor-free margins and peripheral invasion? *Int J Radiat Oncol* 2008 ;71:371-376 (SCI=4.592) (correspondence)
39. Yeh CN, Lin KJ, Hsiao IT, **Yen TC**, Chen TW, Jan YY, Chung YH, Lin CF, Chen MF. Animal PET for Thioacetamide induced Rat cholangiocarcinoma -A novel and reliable platform *Mol Imaging Biol* 2008;10:209-16 (SCI=2.467)
40. Chao A, Ho KC, Wang CC, Cheng HH, Lin G, **Yen TC**. Positron emission tomography in evaluating the feasibility of curative intent in cervical cancer patients with limited distant lymph node metastases *Gynecol Oncol* 2008;110:172-8 (SCI=3.733)
41. Huang SF, Kang CJ, Lin CY, Fan KH, **Yen TC**, Wang HM, Chen IH, Liao CT, Cheng AJ, Chang JT. Neck treatment of patients with early stage oral tongue cancer: comparison between observation, supraomohyoid dissection, and extended dissection. *Cancer* 2008;12:1066-75. (SCI=5.418)

42. Liao CT, Huang SF, Chen IH, Chang JT, Wang HM, Ng SH, Hsueh C, Lee LY, Lin CH, Cheng AJ, **Yen TC***When does skin excision allow the achievement of an adequate local control rate in patients with squamous cell carcinoma involving the buccal mucosa? *Ann Surg Oncol* 2008;15:2187-94. (SCI=4.13) (correspondence)
43. Liao CT, Chang JT, Wang HM, Ng SH, Hsueh C, Lee LY, Lin CH, Chen IH, Huang SF, Cheng AJ, **Yen TC***.Analysis of Risk Factors Predictive of Local Tumor Control in Oral Cavity Cancer *Ann Surg Oncol* 2008;15:915-22 (SCI=4.13) (correspondence)
44. Lin G, Ho KC, Wang JJ, Ng KK, Wai YY, Chen YT, Chang CJ, Ng SH, Lai CH, **Yen TC***.Detection of Lymph Node Metastasis in Gynecologic Cancer by Diffusion-Weighted Magnetic Resonance Imaging at 3 Tesla. *J Magn Reson Imaging* 2008;28:128-135 (SCI=2.77) (correspondence)
45. Liu HL, Wai YY, Chen WS, Chen JC, Hsu PH, Wu XY, Huang WC, **Yen TC**, Wang JJ.Hemorrhage Detection During Focused-Ultrasound Induced Blood-Brain-Barrier Opening by Using Susceptibility-Weighted Magnetic Resonance Imaging. *Ultrasound Med Biol* 2008;34:598-606 (SCI=2.021)
46. Ho KC, Lai CH, Wu TI, Ng KK, **Yen TC**, Lin G, Chang TC, Wang CC, Hsueh S, Huang HJ.(18)F-fluorodeoxyglucose positron emission tomography in uterine carcinosarcoma. *Eur J Nucl Med Mol I* 2008;35:484-92 (SCI=4.531)
47. **Yen TC**, See LC, Lai CH, Tsai CS, Chao A, Hsueh S, Hong JH, Chang TC, Ng KK.Standardized uptake value in para-aortic lymph nodes is a significant prognostic factor in patients with primary advanced squamous cervical cancer. *Eur J Nucl Med Mol I* 2008;35:493-501 (SCI=4.531)
48. Ng SH, Chan SC, Liao CT, Chang JT, Ko SF, Wang HM, Chin SC, Lin CY, Huang SF, **Yen TC***.Distant metastases and synchronous second primary tumors in patients with newly diagnosed oropharyngeal and hypopharyngeal carcinomas: evaluation of 18F-FDG PET and extended-field multi-detector Row CT. *Neuroradiology* 2008;50:969-79 (SCI=2.616) (correspondence)
49. Chiu CC, Lin CY, Lee LY, Chen YJ, Kuo TF, Chang JT, Liao CT, Wang HM, **Yen TC**, Shen CR, Liao SK, Cheng AJ.Glucose-regulated protein 78 regulates multiple malignant phenotypes in head and neck cancer and may serve as a molecular target of therapeutic intervention. *Mol Cancer Ther* 2008;7:2788-97. (SCI=4.953)
50. Chen YJ, Chang JT, Liao CT, Wang HM, **Yen TC**, Chiu CC, Lu YC, Li HF, Cheng AJ.Head and neck cancer in the betel quid chewing area: recent advances in molecular carcinogenesis. *Cancer Sci* 2008;99:1507-14. (SCI=3.771)
51. Tsai ZT, Wang JF, Kuo HY, Shen CR, Wang JJ, **Yen TC***.In situ preparation of high relaxivity iron oxide nanoparticles by coating with chitosan:A potential MRI contrast agent useful for cell tracking. *J MAGN MAGN MATER* 2009 accept (SCI=1.204) (correspondence)
52. Lin CY, Chen WH, Liao CT, Chen IH, Chiu CC, Wang HM, **Yen TC**, Lee LY, Chang JT, Cheng AJ. Positive association of glucose-regulated protein 78 during oral cancer progression and the prognostic value in oral precancerous lesions. *HEAD NECK-J SCI SPEC.* 2010 ;32:1028-39. (SCI=2.283)
53. Chen SH, Ho KC, Hsieh PH, Mel Lee SS, **Yen TC***.Potential clinical role of [18F]FDG-PET/CT in detecting hip prosthesis infection: a study in patients undergoing two-stage revision arthroplasty with an interim spacer. *Q J Nucl Med Mol Im* 2009 Jan 28. [Epub ahead of print] (SCI=2.877) (correspondence)
54. Ng SH, Chan SC, **Yen TC**, Chang JT, Liao CT, Ko SF, Wang HM, Wai YY, Wang JJ, Chen MC.Pretreatment evaluation of distant-site status in patients with nasopharyngeal carcinoma: accuracy of whole-body MRI at 3-Tesla and FDG-PET-CT. *Eur Radiol* 2009 Jul 9. [Epub ahead of print] (SCI=3.589)

55. Liao CT, Huang SF, Chen IH, Chang JT, Wang HM, Ng SH, Hsueh C, Lee LY, Lin CH, Cheng AJ, **Yen TC***.Risk stratification of patients with oral cavity squamous cell carcinoma and contralateral neck recurrence following radical surgery. *Ann Surg Oncol* 2009; 16:159-70 (SCI=4.13) (correspondence)
56. Lin G, Ng KK, Chang CJ, Wang JJ, Ho KC, **Yen TC**, Wu TI, Wang CC, Chen YR, Huang YT, Ng SH, Jung SM, Chang TC, Lai CH.Myometrial invasion in endometrial cancer: diagnostic accuracy of diffusion-weighted 3.0-T MR imaging--initial experience. *Radiology* 2009; 250:784-92 (SCI=6.341)
57. Cheng NM; Yu CT; Ho KC; Wu YC; Liu YC; Wang CW; **Yen TC***.Respiration-Averaged CT for Attenuation Correction in Non-Small-Cell Lung Cancer. *Eur J Nucl Med Mol I* 2009; 36:607-15 (SCI=4.531) (correspondence)
58. Liu FY, **Yen TC***, Chen MY, Lai CH, Chang TC, Chou HH, Hong JH, Chen YR, Ng KK.Detection of hematogenous bone metastasis in cervical cancer: 18F-fluorodeoxyglucose-positron emission tomography versus computed tomography and magnetic resonance imaging. *Cancer* 2009;115:5470-80. (SCI=5.418) (correspondence)
59. Lin KJ, Liao CH, Hsiao IT, **Yen TC**, Chen TC, Jan YY, Chen MF, Yeh TSImproved hepatocyte function of future liver remnant of cirrhotic rats after portal vein ligation: a bonus other than volume shifting. *Surgery* 2009;145:202-11 (SCI=3.603)
60. Yang CJ, Liu YK, Liu CL, Shen CN, Kuo ML, Su CC, Tseng CP, **Yen TC**, Shen CR.Inhibition of Acidic Mammalian Chitinase by RNA Interference Suppresses OVA-sensitized Allergic Asthma. *Hum Gene Ther* 2009;20:1597-1606 (SCI=4.202)
61. Lin CT, Yen CF, Shaw SW, **Yen TC**, Chen YJ, Soong YK, Lai CH.Gene gun administration of therapeutic HPV DNA vaccination restores the efficacy of prolonged defrosted viral based vaccine. *Vaccine* 2009;27:7352-8 (SCI=3.616)
62. Lin CT, Yen CF, Shaw SW, **Yen TC**, Chen YJ, Soong YK, Lai CH.Gene gun administration of therapeutic HPV DNA vaccination restores the efficacy of prolonged defrosted viral based vaccine. *Vaccine* 2009;27:7352-8. (SCI=3.616)
63. Kang CJ, Chen YJ, Liao CT, Wang HM, Chang JT, Lin CY, Lee LY, Wang TH, **Yen TC**, Shen CR, Chen IH, Chiu CC, Cheng AJ.Transcriptome profiling and network pathway analysis of genes associated with invasive phenotype in oral cancer. *Cancer Lett* 2009;284:131-40. (SCI=3.741)
64. Liu HL, Hsu PH, Chu PC, Wai YY, Chen JC, Shen CR, **Yen TC**, Wang JJ.Magnetic Resonance Imaging Enhanced by Superparamagnetic Iron Oxide Particles: Usefulness for Distinguishing Between Focused Ultrasound-Induced Blood-Brain Barrier Disruption and Brain Hemorrhage. *J Magn Reson Imaging* 2009;29:31-8 (SCI=2.77)
65. Chen SH, Yu KH, Lin TL, Chuang WY, **Yen TC***.Gallium scan-prompted skin biopsy revealed intravascular large B-cell lymphoma in a patient who presented with fever of unknown origin. *Clin Nucl Med* 2009;34:318-20 (SCI=3.915) (correspondence)
66. Ng SH, Chan SC, **Yen TC**, Chang JT, Liao CT, Ko SF, Liu FY, Chin SC, Fan KH, Hsu CL.Staging of untreated nasopharyngeal carcinoma with PET/CT: comparison with conventional imaging work-up. *Eur J Nucl Med Mol I* 2009;36:12-22. (SCI=4.531)
67. Liao CT, Chang JT, * Wang HM, Ng SH, Huang SF, Chen IH, Hsueh C, Lee LY, Lin CH, Cheng AJ, **Yen TC***.Preoperative [18F] fluorodeoxyglucose positron emission tomography standardized uptake value of neck lymph nodes may aid in selecting patients with oral cavity squamous cell carcinoma for salvage therapy after relapse. *Eur J Nucl Med Mol I* 2009;36:1783-93 (SCI=4.531) (correspondence)

68. Ho KC, Lin G, Wang JJ, Lai CH, Chang CJ, **Yen TC***.Correlation of apparent diffusion coefficients measured by 3T diffusion-weighted MRI and SUV from FDG PET/CT in primary cervical cancer. *Eur J Nucl Med Mol I* 2009;36:200-8 (SCI=4.531) (correspondence)
69. Wey SP, Weng CC, Lin KJ, Yao CH, **Yen TC**, Kung HF, Skovronsky D, Kung MP.Validation of an 18F-labeled biphenylalkyne as a positron emission tomography imaging agent for beta-amyloid plaques. *Nucl Med Biol* 2009;36:411-7. (SCI=2.456)
70. Lin KJ, Liu HL, Hsu PH, Chung YH, Huang WC, Chen JC, Wey SP, **Yen TC**, Hsiao IT.Quantitative microSPECT/CT for detecting focused ultrasound induced blood-brain barrier opening in the rat. *Nucl Med Biol* 2009;36:853-61. (SCI=2.456)
71. Chan SC, Chang JT, Wang HM, Lin CY, Ng SH, Fan KH, Chin SC, Liao CT, **Yen TC***.Prediction for distant failure in patients with stage M0 nasopharyngeal carcinoma: the role of standardized uptake value *Oral Oncol* 2009;45:52-8 (SCI=3.123) (correspondence)
72. Chiang LW, Pei K, Chen SW, Huang HL, Lin KJ, **Yen TC**, Yu CS.Combining a solution-phase derived library with in-situ cellular bioassay: prompt screening of amide-forming minilibraries using MTT assay. *Chem Pharm Bull* 2009;57:714-8. (SCI=1.698)
73. Liao CT, Chang JT, Wang HM, Ng SH, Hsueh C, Lee LY, Lin CH, Chen IH, Huang SF, Cheng AJ, **Yen TC***.Pretreatment Primary Tumor SUVmax Measured by FDG-PET and Pathological Tumor Depth Predict Poor Outcomes in Patients with Oral Cavity Squamous Cell Carcinoma and Pathologically Positive Lymph Nodes. *Int J Radiat Oncol* 2009;73:764-71 (SCI=4.592) (correspondence)
74. Liao CT, Chang JT, Wang HM, Ng SH, Lee LY, Lin CH, Chen IH, Huang SF, Cheng AJ, **Yen TC***.Preoperative 18F-FDG PET standardized uptake value of neck lymph nodes predicts neck control and survival rates in patients with oral cavity squamous cell carcinoma and pathologically positive lymph nodes. *Int J Radiat Oncol* 2009;74:1054-61. (SCI=4.592) (correspondence)
75. Ng SH, Chan SC, **Yen TC**, Liao CT, Chang JT, Ko SF, Wang HM, Lin CY, Chang KP, Lin YC.Comprehensive imaging of residual/recurrent nasopharyngeal carcinoma using whole-body MRI at 3 T compared with FDG-PET-CT. *Eur Radiol* 2010 Apr 15. [Epub ahead of print] (SCI=3.589)
76. **Yen TC**, Liao CT.Statistical Issues Involved in "Risk Stratification of Patients with Oral Cavity Squamous Cell Carcinoma and Contralateral Neck Recurrence Following Radical Surgery" *Ann Surg Oncol* 2010 May 19. [Epub ahead of print] (SCI=4.13)
77. Chang YC, Chen YJ, Wu CH, Wu YC, **Yen TC**, Ouyang P.Characterization of centrosomal proteins Cep55 and pericentrin in intercellular bridges of mouse testes. *J Cell Biochem* 2010;109:1274-85. (SCI=2.935)
78. Chuang CK, Lin KJ, Lin CY, Chang YH, **Yen TC**, Hwang SM, Sung LY, Chen HC, Hu YC.Xenotransplantation of Human Mesenchymal Stem Cells into Immunocompetent Rats for Calvarial Bone Repair. *Tissue Eng Part A* 2010;16:479-88. (SCI=5.444)
79. Liao CT, Huang SF, Chen IH, Kang CJ, Lin CY, Fan KH, Wang HM, Ng SH, Chuen H, Lee LY, Tsao CK, **Yen TC***.Outcome Analysis of Patients with pN2 Oral Cavity Cancer. *Ann Surg Oncol* 2010;17:1118-26. (SCI=4.13) (correspondence)
80. Lai CH, **Yen TC**, Ng KKSurgical and radiologic staging of cervical cancer. *Curr Opin Obstet Gyn* 2010;22:15-20. (SCI=2.491)
81. Liu HL, Hua MY, Chen PY, Chu PC, Pan CH, Yang HW, Huang CY, Wang JJ, **Yen TC**, Wei KC.Blood-Brain Barrier Disruption by Focused Ultrasound Enhances Delivery of Chemotherapeutic Drugs for

- Glioblastoma Treatment. *Radiology* 2010;255:415-25. (SCI=6.341)
82. Liu HL, Wai YY, Hsu PH, Lyu LA, Wu JS, Shen CR, Chen JC, **Yen TC** *, Wang JJ *. In Vivo Assessment of Macrophage CNS Infiltration during Disruption of the Blood-brain Barrier with Focused Ultrasound: A Magnetic Resonance Imaging Study. *J CEREBR BLOOD F MET* 2010;30:674 (SCI=5.457) (correspondence)
83. Lee PW, Hsu SH, Wang JJ, Tsai JS, Lin KJ, Wey SP, Chen FR, Lai CH, **Yen TC**, Sung HW. The characteristics, biodistribution, magnetic resonance imaging and biodegradability of superparamagnetic core-shell nanoparticles. *Biomaterials* 2010;31:1316-24 (SCI=7.365)
84. Tsai HC, Chang WH, Lo CL, Tsai CH, Chang CH, Ou TW, **Yen TC**, Hsiue GH. Graft and diblock copolymer multifunctional micelles for cancer chemotherapy and imaging. *Biomaterials* 2010;31:2293-301. (SCI=7.365)
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C. Research Support

Ongoing Research Support

(NSC)

08/01/10-07/31/11

Comparison of SUV of NSCLC in FDG PET/CT attenuation correction by average CT and helical CT.

Role: PI

(NSC)	11/01/09-10/31/10
Establish a Molecular Imaging-based Translational Platform for Pre-clinical Studies of Focused Ultrasound enhanced brain drug Delivery	
Role: PI	
(NSC)	08/01/10~07/31/13
Establishment of clinico-genomics database in oral cancer	
Role: Co-PI	
(NSC)	08/01/10~07/31/13
Evaluation of hypopharyngeal squamous cell carcinoma patients with MR whole-body imaging, diffusion-weighted imaging and perfusion imaging	
Role: Co-PI	
(NSC)	08/01/10~07/31/12
Combination of FDG PET/CT and EGFR biomarker for prediction of tumor response to tyrosine kinase inhibitor and patient outcome in non-small cell lung cancer	
Role: Co-PI	
(NSC)	08/01/10~07/31/12
The differential diagnosis of Parkinson's disease and Parkinsonism by positron-emission tomography with vesicular monoamine transporter ligand (18F-DTBZ)	
Role: Co-PI	
(NSC)	08/01/10~07/31/13
Design and Development of Focused Ultrasound Brain Drug Delivery System	
Role: Co-PI	
(NSC)	08/01/09~07/31/12
Investigation of NDRG1 on the carcinogenesis of head-neck cancer: from basic to translational research	
Role: Co-PI	
(NSC)	08/01/09~07/31/12
Biodistribution, pharmacokinetics and human clinical phase I study for novel VMAT2 radiotracer - 18F FP-(+)-DTBZ	
Role: Co-PI	
(NSC)	08/01/09~07/31/10
Neuroimaging study in dementia syndrome: Clinical analysis of Alzheimer's disease , dementia with Lewy body and fronto-temporal lobe dementia	
Role: Co-PI	
(NSC)	08/01/09~07/31/12
Integral study of oral cancer cells chronic exposed to areca nut extract: transcriptome profiling, phenotype characterization, and clinical implication.	
Role: Co-PI	
(NSC)	08/01/09~07/31/12
Clinical, genetic and functional studies of LRRK2, HTRA2, GIGYF2 genes in Parkinson's disease	
Role: Co-PI	
(NSC)	08/01/09~07/31/11
Potential roles of microRNA expressions and ABC (AlcoholBetalCigarette) oral habits on the carcinogenesis of oral cancer.	

Role: Co-PI

(NSC) 08/01/09~07/31/10
Whole-body MRI for evaluating patients with advanced head and neck squamous cell carcinoma
Role: Co-PI

(NSC) 08/01/09~07/31/11
Prospective study of 18F-FDG PET/CT in predicting prognosis of nasopharyngeal carcinoma
Role: Co-PI

(NSC) 08/01/09~07/31/10
Detection of Bony Metastases : Preliminary Study and Comparison of 18F-Fluorodeoxyglucose and
18F-Fluoride PET-CT
Role: Co-PI

Completed Research Support (2006-2010)

(NSC) 08/01/06-07/31/09
PET/CT scan imaging in uterine sarcoma
Role: PI