1. Ballinger JR, Proulx A, Ruddy TD. (1991) *Stable Kit Formulation of technetium-99m Glucarate*. Appl. Radial Isot 42:405-406
2. Yaoito H, Uehara T, Brownell AL, Rabito CA, Ahmad M, Khaw BA, Fischman AJ, Strauss HW. (1991*) Localization of 99mTc-Glucarate in zones of acute cerebral injury*. J Nucl Med 32:272-278.
3. Orlandi C, Crane PD, Edwards DS, Platts SH, Bernard L, Lazewatsky J, Thoolen MJ. (1991) *Early scintigraphic detection of experimental myocardial infarction in dogs with technetium-99m-glucaric acid.* J Nucl Med 32:263-268.
4. Willerson JT. (1991) *Detection of acute myocardial infarcts by infarct-avid imaging*. J Nucl Med 32:269-271.
5. Ohtani H, Callahan RJ, Khaw BA, Fischman AJ, Wilkinson RA, Strauss HW. (1992) *Comparison of technetium-99m-glucarate and thallium-201 for the identification of acute myocardial infarction in rats*. J Nucl Med 33:1988-1993.
6. Pak KY, Nedelman MA, Tam SH, Wilson E, Daddona PE. (1992) *Labeling and stability antibody fragments by a direct 99mTc-labeling method*. Nucl Med Bio 19:669-677.
7. Pak KY, Nedelman MA, Kanke M, Khaw BA, Mattis JA, Strauss HI. (1992) An Instant kit method for labeling antimyosin fab’ with technetium-99m: Evaluation in an experimental Myocardial Model. J Nucl Med 33:144-149.
8. Yaoita H, Fischman AJ, Wilkinson R, Khaw BA, Juweid M, Strauss HW. (1993) Distribution of deoxyglucose and technetium-99m-glucarate in the acutely ischemic myocardium. J Nucl Med 34:1303-1308.
9. Ballinger JR, Cowan DSM, Boxen I, Zhang ZM, Rauth M. (1993) Effect of hypoxia on the accumulation of technetium-99m-glucarate and technetium-99m-gluconate by Chinese Hamster ovary cells in vitro. J Nucl Med 34:242-245.
10. Khaw BA, Narula J. (1995) *What is new in infarct imaging?* American Society of Nucl Cardiol Newsletter 2:14.
11. Vural I, Narula J, Petrov A, Pak KY, Khaw BA. (1995) *Can Tc-99m Glucarate also recognize Diffuse Myocardial Necrosis*? J Nucl Med 36:47P.
12. Rammohan R, Petrov A, Vural I, et al. (1996) *Subnuclear Localization of 99mTc Glucarate in Necrotic Myocardium*. J Nucl Med 37:175P.
13. Khaw BA. (1996) *Early detection of myocardial injury and infarction*. J Nucl Med 43rd Annual Meeting Handout Book 1-4.
14. Pak KY, Narula J, Petrov A, Imran V, Mariani G, Villa G, Strauss HW, Khaw BA. (1997) *AMISCANTM (Tc-99m glucarate)-A novel delineator of acute myocardial infarction: From laboratory to clinic*. Shenzhen Medical J 10(2):22-24.
15. Molea N, Lazzeri E, Bodeli L, DiLuca L, Bacciardi D, Khaw BA, et al. (1997) *Biodistribution pharmacokinetics and dosimetry 99mTc-glucaric acid in humans. In: Bergman H, Droiss A, Sinizinger H, eds*. Radioactive Isotopes in Clinical Medicine and Res. XXII. Basel, Switzerland: Birkhauser Verlag 359-364.
16. Narula J, Petrov A, Pak KY, Lister BC, Khaw BA. (1997) *Very early noninvasive detection of acute experimental non-reperfused myocardial infarction with technetium-99m-labeled glucarate*. Circulation 95:1577-1584.
17. Petrov A, Narula J, Nakazawa A, Pak KY, Khaw BA. (1997) *Targeting human breast tumor in xeno-grafted SCID mice withtechnetium-99m-glucarate*. Nucl Med Commun 18:241-251.
18. Beanlands RSB, Ruddy TD, Bielawski L, Johansen H, Pasler A, Masika M. (1997) *Differentiation of myocardial ischemia and necrosis by technetium-99m-glucaric acid kinetics*. J Nucl Cardiol 4:274-282.
19. Gerson MC, McGordon AJ. (1997) *Technetium-99m-glucarate: What will be its clinical role?* Editorial J Nucl Cardiol 4:336-340.
20. Khaw BA, Nakazawa A, O’Donnell SM, Pak KY, Narula J. (1997) *Avidity of technetium-99m glucarate for the necrotic myocardium: In vivo and in vitro assessment.* J Nucl Cardiol 4:283-290.
21. Khaw BA, Narula J. (1998) *New approaches to infarct-avid imaging. New Developments in Cardiac Nuclear Imaging.* (From: Iskandrian AE and Verani MS, (eds) Armonk, NY: Futura Publishing Company, Inc) 171-202.
22. Khaw BA. (1998) *New methods in nuclear cardiac imaging infarct avid agents*. American Society of Nucl Cardiol Annual Meeting Handout Book 1-8.
23. Botvinick E. (1998) *Hot spot imaging*. J Nucl Cardiol March/April.
24. Beju B, Khaw BA, Pak KY, Okada RD, Warren WK. (1999) *Tc-99m glucarate can detect myocardial necrosis early after injury due to severe ischemia with reperfusion*. J Nucl Med 40:180P.
25. Khaw BA. (1999) *New infarct avid imaging agents*. Society Nucl Med 46th Annual Meeting Handout Book.
26. Khaw BA, Petrov A, Narula J, Pak KY. (1999) *Can the uptake ratios of Tc-99m glucarate in acute myocardial infarction be affected by the glycemic state ? Biodistribution in fasted, non-fasted and insulin-injected mice*. J Nucl Med;40: 186P.
27. Taillefer R, Tamaki N. (1999) *New radiotracers in cardiac imaging: Principals and applications*. Stamford, CN: Appleton & Lange 197-209.
28. Mariani G, Villa G, Rossettin P, Spallarossa B, P Gian, Paolo G, Brunelli, Pak KY, Khaw BA, Strauss HW. (1999) *Detection of acute myocardial infarction by 99mTc-labeled D-Glucaric acid imaging in patients with acute chest pain*. J Nucl Med 40:1832-1839.
29. Johnson L, Schofield L, Mastrofrancesco, BS Donahay, T Farb, Khaw BA. (2000) *Technetium-99m glucarate uptake in a swine model of limited flow plus increased demand*. J Nucl Cardiol 7:590-598.
30. Wiersema AM, Oyen WJG, Dirksen R, Verhofstad AAJ, Corstenst FHM, van der Vilet JA. (2000) *Early assessment of skeletal muscle damage after ischaemia-reperfusion injury using Tc-99m-glucarate*. Cardiovascular Surgery 8:186-191.
31. Arteaga de Murphy C, Ferro-Flores G, Villanueva-Sanchez O, Murphy-Stack E, Pedraza-Lopez M, Melendez-Alafort L, Molina-Trinidad E. (2002) *99mTc-glucarate for detection of isoproterenol-induced myocardial infarction in rats*. International J of Pharmaceutics 233:29-34.
32. Khaw BA, Silva Jose Da, Petrov, Artiom, Hartner, William. (2002) *Indium-111 antimyosin and Tc-99m glucaric acid for noninvasive identification of oncotic and apoptotic myocardial necrosis*. J Nucl Cardiol 9:471-481.
33. Okada DR, Johnson G, Liu Z, Hocherman SD, Khaw BA, Pak KY, Okada RD (2002) *Myocardial kinetics of 99mTc-Glucarate in low-flow, hypoxia and aglycemia*. J Nucl Cardiol 10:168-176.
34. Ballinger JR, Hsue V, Rauth, AM. (2003) *Accumulation of technetium-99m glucarate: in vitro cell cultures and in vivo tumour models*. Nucl Med Commun 24:597-606.
35. Okada DR, Johnson G III, Hocherman SD, Khaw BA, Pak KY, Okada RD. (2003) *Myocardial kinetics of Tc-99m glucarate in low flow, hypoxia, and aglycemia*. J Nucl Cardiol 10:168-176.
36. Okada DR, Johnson G, Liu Z, Hocherman SD, Khaw BA, Pak KY, Okada RD. (2003) *Myocardial Kinetics of 99m Tc-Glucarate in Low-Flow, Hypoxia, and Aglycemia.* J Nuclear Cardiology 10:168-76.
37. Liu Z, Barrett HH, Stevenson G, Kastis G, Bettan M, Furenlid LR, Wilson DW, Pak KY. (2004) *High-Resolution Imaging with 99mTc-Glucarate for Assessing Myocardial Injury in Rat Heart Models Exposed to Different Durations of Ischemia with Reperfusion*. J Nucl Med 45:1251-1259.
38. Liu Z., Barrett H.H., Stevenson, G., Kastis, G., Bettan, Michael, Furenlid, L.R., Wilson, D.W., Pak, K.Y. (2004) *High-Resolution Imaging With 99m Tc-Glucarate for assessing Myocardial Injury in Rat Heart Models Exposed To Different Durations of Ischemia with Reprefusion.* J. Nucl.Med; 45:1251-1259.
39. Liu Z., Stevenson, G.D., Barrett H.H., Kastis, G., Bettan, Michael, Furenlid, L.R., Wilson, D.W., Woolfenden, J.M., Pak, K.Y.(2004) *99mTc Glucarate high resolution imaging of drug sensitive and drug resistant human breast cancer xenografts in SCID mice*. Nucl. Med.Commun 25:711-720.
40. Liu Z., Barrett H.H., Stevenson, G., Furenlid, L.R., Wilson, D.W., Woolfenden, J.M., Pak, K.Y. (2004) *Sequential imaging in rat hearts with 99mTc-teboroxime and 99mTc-Glucarate.* Symposium on Cardiovascular Molecular Imaging. Bethesda, MD.
41. Okada DR, Johnson G, Liu Z, Hocherman SD, Khaw BA, Okada RD, (2004) *Early Detection of Infarct in Reperfused Canine Myocardium Using 99mTc-Glucarate*. J Nucl Med 45:655-664.
42. Liu Z, Stevenson GD, Barrett HH, Kastis G, Bettan M, Furenlid LR, Wilson DW, Woolfenden JM, Pak KY. (2004) *99mTc-glucarate high-resolution imaging of drug sensitive and drug resistant human breast cancer xenografts in SCID mice*. Nucl Med Commu 25:711-720.
43. Gambini JP, Cabral P, Santander G, et al. *99mTc-glucarate as a potential novel tracer of lung cancer lesions*. Alasbimn J. October 2006;9(34).
44. Perek N, Sabido O, Le Jeune N, et al. *Can 99mTc-glucarate be used to evaluate tumour necrosis? In vitro and in vivo studies in leukaemic tumour cell line U937*.Eur J Nucl Med Mol Imaging. 2008;35:1290–1298
45. Gambini JP, Quinn TP, Nu˜nez M, et al. Is *99mTc glucarate a tracer of tumor necrosis? Comparison with 18F-FDG-PET in an animal model of breast cancerand preliminary clinical experience in oncology patients*. Alasbimn J. April 2008;10(40).
46. Liu Z., Barrett H.H., Stevenson, G., Furenlid, L.R., Wilson, D.W., Pak, K.Y. and Woolfenden, J.M. (2008) *Evaluating the preconditioning in rat hearts using a stationary small-animal SPECT imager and 99mTc-glucarate.* Nucl Med Commun 29: 120-128.
47. Dengfeng C., Rusckowski, M., Wang, Y. Liu, Y., Liu, G., Liu, X., Hnatowich, D. (2011) *A Brief Evaluation of Tumor Imaging in Mice with 99mTc-glucarate Including a Comparison with 18F-FDG.* Current Radiopharmaceuticals. 4:5-9.
48. Gambini, J.P., Cabral, P., Alonso, O., Savio, E., Figueroa, S.D., Zhang, X., Ma, L., Deutscher, S.L., Quinn, T.P. (2011) *Evaluation of 99mTc-glucarate as a breast cancer imaging agent in a xenograft animal model.* Nuclear Medicine and Biology. 255-260. 