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KHUN VISITH KEU, MD FRCPC

PROFILE

Board certified nuclear medicine physician; graduated in 2010 at Université de Sherbrooke. Worked for 6 months as an attending focusing on PET-CT, before continuing a post-doctoral fellowship at Stanford University for two years.

EXPERIENCE

POST-DOCTORAL RESEARCH FELLOW, SUH, PALO ALTO, CALIFORNIA 2011-NOW
Focusing on translational and clinical imaging. Involved in multiples retrospective and prospective projects with different researchers (Dr. Sam Gambhir, main advisor) in nuclear medicine, radiology, cardiology and oncology. Involved in the recruitment of patients for different clinical trials. Multiples lectures to residents and clinical fellows. Attending different seminars (early cancer detection, nano-biotechnology, molecular translational imaging, radiology grand rounds, etc).

CLINICAL INSTRUCTOR, CHUS, SHERBROOKE, QUÉBEC 2010
Focusing on PET-CT oncology. Experiences in nuclear cardiac imaging (myocardial viability with ^{18}F-FDG and myocardial perfusion with ^{82}Rb) and radioiodine therapy. Multiples lectures to residents on radiopharmaceuticals, physics and clinical nuclear medicine.

RESIDENT, CHUS, SHERBROOKE, QUÉBEC, 2005-2010
One year of internship in internal medicine rotating in multiples subspecialities, and also radio-oncology. Nine (9) months in PET-CT, six (6) months in radiology (CT), two (2) months in pediatrics at CHUM-Ste-Justine. Experiences in general nuclear medicine imaging, SPECT-CT, PET-CT, radiology and therapy (radioiodine, synovectomy, bone metastasis palliation). Worked in multiples hospitals with different cameras and softwares. Chief-resident during the fourth year (PGY-4) of residency.

EDUCATION

Stanford University, Palo Alto, CA — Post-Doctoral Research Fellow, *current*

Université de Sherbrooke, Sherbrooke, QC — Nuclear Medicine Residency, 2010

Université de Montréal, Montréal, QC — Medical Doctor (MD), 2005

Cégep de Bois-de-Boulogne, Montréal, QC — DEC, 2000

École Saint-Maxime, Laval, QC — DES, 1998

PROFESSIONAL AFFILIATIONS

American Association Cancer Research (AACR) — 2012-present

Association des Médecins Spécialistes en Médecine Nucléaire du Québec (AMSMNQ) — 2009-present

The Royal College of Physicians and Surgeons of Canada (RCPSC) — 2009-present

Society of Nuclear Medicine (SNM) — 2009-present

Radiological Society of North America (RSNA) — 2009-present

Medical Council of Canada (MCC) — 2006-present

Association Médicale du Québec/et du Canada (AMQ and AMC) — 2000-present

AWARDS

Best oral presentation at the Annual Meeting of AMSMNQ — 2008

Best oral presentation at the 37th Edition Scientic Day of FMSS — 2008

Best oral presentation for a junior-resident at the 7th Scientific Day of Medical Imaging at FMSS — 2007

Federal Scholarship "Les Bourses du Millénaire" — 2000

REVIEWERSHIP

Journal of Nuclear Medicine — 2012

Journal of Neuro-Oncology — 2011-2012

Nuclear Medicine Communication — 2011

MANUSCRIPTS (IN PRESS)

1. Ronald M. Witteles, **Khun Visith Keu**, Andrew Quon, Homa Tavana, Michael B. Fowler. *DPP-4 inhibition increases myocardial glucose uptake in nonischemic cardiomyopathy*, Journal of Cardiac Failure.

MANUSCRIPTS (SUBMITTED FOR REVIEW)

1. Erik Mittra, Norman Koglin, Camila Mosci, Meena Kumar, **Khun Visith Keu**, Andrei Iagaru, Aileen Hoehne, Andre Mueller, Mathias Berndt, Heribert Schmitt-Willich, Volker Gekeler, Matthias Friebe, Ludger M. Dinkelborg, Andrew W. Stephens, Lüder M. Fels, Claudia Bacher-Stier, Dae Hyuk Moon, Frederick T. Chin, Sanjiv Sam Gambhir. *Preclinical and clinical evaluation of the novel radiopharmaceutical (4S)-4-(3-[18F]Fluoropropyl)-L-glutamate (18F-FSPG) for PET/CT imaging of brain cancer*, Submitted to Science Translational Medicine in May 2012.
2. Erik Mittra, Camila Mosci, Meena Kumar, **Khun Visith Keu**, Andrei Iagaru, Aileen Hoehne, Norman Koglin, Andre Mueller, Mathias Berndt, Heribert Schmitt-Willich, Volker Gekeler, Matthias Friebe, Ludger M. Dinkelborg, Lüder M. Fels, Claudia Bacher-Stier, Dae Hyuk Moon, Frederick T. Chin, Sanjiv Sam Gambhir. *Pilot evaluation of the radiopharmaceutical (4S)-4-(3-[18F]Fluoropropyl)-L-glutamate (FSPG) for PET/CT imaging of patients with head and neck cancer, colorectal cancer, or non-Hodgkin lymphoma*, In preparation for Journal of Nuclear Medicine.
3. Viswam S. Nair, **Khun Visith Keu**, Madelyn Luttgen, Anand Kolatkar, Lyudmila Bazhenova, Minal Vasanawala, Ware Kuschner, Kelly Bethel, Andrei H. Iagaru, Carl Hoh, Joseph B. Shrager, Billy W. Loo, Jorge Nieva, Sanjiv S. Gambhir,. *Circulating tumor cells are stage independent and correlate with FDG PET-CT uptake in patients with treatment naive non-small cell lung cancer: A pilot study*, Submitted to Clinical Cancer Research in September 2012.

BOOK CHAPTERS (IN PRESS)

1. **Khun Visith Keu**, Andrei Iagaru. *The Pre-Clinical and Clinical Use of PET/CT in the Evaluation of Melanoma*. In: Magdalena Thurin, Francesco Marincola, eds. Molecular Diagnostics for Melanoma. Humana Press.

LETTERS

1. Viswam S. Nair, **Khun Visith Keu**, Peter Kuhn, Sanjiv S. Gambhir, Circulating tumour cells in early breast cancer, Lancet Oncology, 2012 Sep;13(9):e370-1

ABSTRACTS

1. **Khun Visith Keu**, Erik Mittra, Andrew Quon, Andrei Iagaru, *Metabolic Imaging Patterns of Complete Local Response to Chemoradiation in Patients with Nasopharyngeal Carcinoma: A Review*, EANM Annual Meeting 2012, Milan, Italy, October 27th-31st 2012.
2. **Khun Visith Keu**, Erik Mittra, Andrei Quon, Sanjiv S. Gambhir, Andrei Iagaru, *Feasibility of Limited Thoracic FDG PET/CT for the Evaluation of Solitary Pulmonary Nodules in Patients With Intermediate and High Risk of Lung Cancer*, EANM Annual Meeting 2012, Milan, Italy, October 27th-31st 2012.
3. **Khun Visith Keu**, Viswam S. Nair, Erik Mittra, Andrew Quon, Sanjiv S. Gambhir, Andrei Iagaru, *The Impact of Partial Volume Correction in the Evaluation of Solitary Pulmonary Nodules by FDG PET/CT in a Population at Intermediate Risk of Lung Cancer*, EANM Annual Meeting 2012, Milan, Italy, October 27th-31st 2012.
4. Ronald M. Witteles, **Khun Visith Keu**, Andrew Quon, Homa Tavana, Michael B. Fowler, *Therapy with a DPP-4 Inhibitor Increases Myocardial Glucose Uptake in Nonischemic Cardiomyopathy*, HFSA Annual Meeting 2012, Seattle, WA, September 9th-12th 2012.
5. Meena Kumar, Camila Mosci, **Khun Visith Keu**, Andrei Iagaru, Norman Koglin, Lueder Fels, Claudia Bacher-Stier, Frederick Chin, Sanjiv S. Gambhir, Erik Mittra, *Evaluation of the 18F-labeled L-glutamate derivative 18F-FSPG (BAY 94-9392) in brain and head and neck cancer patients*, SNM Annual Meeting 2012, Miami, FL, June 9th-13th 2012.
6. Meena Kumar, Camila Mosci, **Khun Visith Keu**, Andrei Iagaru, Norman Koglin, Lueder Fels, Claudia Bacher-Stier, Frederick Chin, Sanjiv S. Gambhir, Erik Mittra, *Evaluation of the 18F L-glutamate derivative 18F-FSPG (BAY 94-9392) in lymphoma and colon cancer patients*, SNM Annual Meeting 2012, Miami, FL, June 9th-13th 2012.
7. **Khun Visith Keu**, Andrew Quon, Brian Blackburn, Erik Mittra, *Simplified evaluation of osteomyelitis in the era of SPECT-CT: A pilot study*, SNM Annual Meeting 2012, Miami, FL, June 9th-13th 2012.
8. Peter Kuhn, **Khun Visith Keu**, Viswam S. Nair, Maddelyn Luttgen, Shannon Maestas, Kelly Bethel, Kelly Souder, Minal Vasanawala, Ware Kuschner, Andrei Iagaru, Carl Hoh, Jorge Nieva, Lyudmila Bazhenova, Sanjiv S. Gambhir, *Correlating circulating tumor cells with ^{18}F-FDG positron emission tomography (PET) uptake in patients with treatment naïve non-small cell lung cancer: A pilot study*, AACR Annual Meeting 2012, Chicago, MI, March 31st-April 4th 2012.
9. Marc-André Levasseur, **Khun Visith Keu**, Éric Turcotte, *Rubidium 82 : à la rescousse du MIBI!*, Journée Scientifique d'Imagerie Médicale - FMSS, Sherbrooke, QC, October 8th 2010.
10. Julien Letendre, Diego Barrieras, Anne-Marie Houle, **Khun Visith Keu**, Raymond Lambert, Sophie Turpin, Julie Franc-Guimond, *Assessing ureteropelvic junction obstruction (UPJO) using original renographic criteria for a decade proves to be reliable*, Annual Meeting of NS-AUA 2009, Montréal, QC, October 7th-11th 2009.
11. Diego Barrieras, **Khun Visith Keu**, Raymond Lambert, Anne-Marie Houle, Sophie Turpin, Julie Franc-Guimond, *Changing Concepts in the Management of Antenatal Hydronephrosis Investigated During the Neonatal Period*, Annual Meeting of the Canadian Urological Association, Toronto, ON, June 28th- July 1st 2009.

12. **Khun Visith Keu**, Raymond Lambert, Anne-Marie Houle, Julie Franc-Guimond, Sophie Turpin, Diego Barrieras, *Neonatal hydronephrosis and diuretic renogram: last decade CHU-Ste-Justine experience using new drainage ratio criteria*, SNM Annual Meeting 2009, Toronto, ON, June 13th-17th 2009.
13. **Khun Visith Keu**, Raymond Lambert, Anne-Marie Houle, Julie-Franc-Guimond, Sophie Turpin, Diego Barrieras, *Hydronéphrose néonatale et rénogramme aux diurétiques : l'expérience de la dernière décennie au CHU Ste-Justine en utilisant les nouveaux critères de ratio de drainage*, Journée Scientifique d'Imagerie Médicale - FMSS, Sherbrooke, QC, October 2nd 2009.
14. **Khun Visith Keu**, Éric Turcotte, François Bénard, Rami Kotb, Richard LeBlanc, Hans Knecht, Virginie Bruneau, *Comparaison des méthodes quantitatives au TEP-TDM pour prédire la réponse des lymphomes diffus à grandes cellules B après un cycle de chimiothérapie de type RCHOP*, Journée Scientifique d'Imagerie Médicale - FMSS, Sherbrooke, QC, October 3rd 2008.
15. **Khun Visith Keu**, Jean Verreault, *Rendement de la recherche de tissus parathyroïdiens anormaux*, Colloque Annuel de l'AMSMNQ, Orford, QC, April 2008.
16. **Khun Visith Keu**, Jean Verreault, *Rendement de la recherche de tissus parathyroïdiens anormaux*, Journée Scientifique d'Imagerie Médicale - FMSS, Sherbrooke, QC, October 7th 2007.

INVITED TALKS

1. **Khun Visith Keu**, *Utilisation de la TEP au FDG pour l'évaluation de la réponse thérapeutique des tumeurs*, AMSMNQ, Punta Cana, Dominican Republic, October 2009.
2. **Khun Visith Keu**, *Place de la médecine nucléaire dans l'arsenal des techniques d'imagerie*, Défi clinique en médecine familiale, FMSS, Magog, QC, January 30th 2009.

SKILLS

Fluid in French/English (written, spoken, reading) and Cambodian (spoken); very familiar with Mac OS/Windows system and various softwares; photography and video editing.

REFERRALS

Dr. Éric Turcotte, Université de Sherbrooke, Sherbrooke, Québec, Canada : eric.e.turcotte@usherbrooke.ca

Dr. Jean Verreault, Université de Sherbrooke, Sherbrooke, Québec, Canada : jean.verreault@usherbrooke.ca

Dr. Sam Gambhir, Stanford University, Palo Alto, California, USA : sgambhir@stanford.edu

Dr. Andrei Iagaru, Stanford University, Palo Alto, California, USA : aiaguru@stanford.edu