

Heying Duan

Casual - Non-Exempt, Rad/Nuclear Medicine

Publications

PUBLICATIONS

- **Prospective Comparison of 68Ga-NeoB and 68Ga-PSMA-R2 PET/MRI in Patients with Biochemically Recurrent Prostate Cancer.** *Journal of nuclear medicine : official publication, Society of Nuclear Medicine*
Duan, H., Song, H., Davidzon, G. A., Moradi, F., Liang, T., Loening, A., Vasanaawala, S., Iagaru, A.
2024
- **Gastrin Releasing Peptide Receptors-targeted PET Diagnostics and Radionuclide Therapy for Prostate Cancer Management: Preclinical and Clinical Developments of the Past 5 Years.** *PET clinics*
Dalm, S., Duan, H., Iagaru, A.
2024
- **Same-day post-therapy imaging with a new generation whole-body digital SPECT/CT in assessing treatment response to [177Lu]Lu-PSMA-617 in metastatic castration-resistant prostate cancer.** *European journal of nuclear medicine and molecular imaging*
Song, H., Leonio, M. I., Ferri, V., Duan, H., Aparici, C. M., Davidzon, G., Franc, B. L., Moradi, F., Shah, J., Bergstrom, C. P., Fan, A. C., Shah, S., Khaki, et al
2024
- **68Ga-RM2 PET-MRI versus MRI alone for evaluation of patients with biochemical recurrence of prostate cancer: a single-centre, single-arm, phase 2/3 imaging trial.** *The Lancet. Oncology*
Duan, H., Moradi, F., Davidzon, G. A., Liang, T., Song, H., Loening, A. M., Vasanaawala, S., Srinivas, S., Brooks, J. D., Hancock, S., Iagaru, A.
2024
- **Trainee Research Prizes from the 2023 RSNA Scientific Assembly and Annual Meeting** *RADIOLOGY*
Ozcan, B., Zeitouni, L., Marway, P. S., Tran, N., Santos, J., Arita, Y., Rouzrok, P., Marrocchio, C., Parihar, A., Moradi, K., Ozkara, B. B., Frias, E., Duan, et al
2024; 310 (2): e249005
- **Modified PROMISE criteria for standardized interpretation of gastrin-releasing peptide receptor (GRPR)-targeted PET.** *European journal of nuclear medicine and molecular imaging*
Duan, H., Davidzon, G. A., Moradi, F., Liang, T., Song, H., Iagaru, A.
2023
- **PSMA PET for Detection of Recurrence.** *Seminars in nuclear medicine*
Duan, H., Iagaru, A.
2023
- **Recruitment into antibody prevalence studies: a randomized trial of postcards vs. letters as invitations.** *BMC medical research methodology*
Ley, C., Duan, H., Parsonnet, J.
2023; 23 (1): 170
- **Total and anatomically contextualized quantitative 18F-DCFPyL PET at biochemical recurrence to predict subsequent biochemical progression free survival in patients with prostate cancer**
Song, H., Sjostrand, K., Duan, H., Ferri, V., Aparici, C., Davidzon, G., Franc, B., Moradi, F., Anand, A., Iagaru, A.
LIPPINCOTT WILLIAMS & WILKINS.2023
- **Assessment of the response of treatment with 18F-DCFPyL PET/CT in patients with prostate cancer**
Na, S., Duan, H., Song, H., Iagaru, A.
SOC NUCLEAR MEDICINE INC.2023

- **Total and Anatomically Contextualized Quantitative 18F-DCFPyL PET at biochemical recurrence predicts subsequent biochemical progression free survival in prostate cancer patients**
Song, H., Duan, H., Ferri, V., Na, S., Davidzon, G., Franc, B., Aparici, C., Moradi, F., Iagaru, A.
SOC NUCLEAR MEDICINE INC.2023
- **Final Analysis of a Prospective, Single-center, Phase II/III Imaging Trial of 68Ga-RM2 PET/MRI in Patients with Biochemical Recurrence of Prostate Cancer**
Duan, H., Moradi, F., Davidzon, G., Liang, T., Iagaru, A.
SOC NUCLEAR MEDICINE INC.2023
- **Modified PROMISE Criteria for Standardized Interpretation of Gastrin Releasing Peptide Receptor (GRPR)-targeted PET**
Duan, H., Davidzon, G., Moradi, F., Liang, T., Iagaru, A.
SOC NUCLEAR MEDICINE INC.2023
- **SPECT at the speed of PET: a feasibility study of CZT-based whole-body SPECT/CT in the post 177Lu-DOTATATE and 177Lu-PSMA617 setting.** *European journal of nuclear medicine and molecular imaging*
Song, H., Ferri, V., Duan, H., Aparici, C. M., Davidzon, G., Franc, B. L., Moradi, F., Nguyen, J., Shah, J., Iagaru, A.
2023
- **Neuroendocrine Tumor Diagnosis: PET/MR Imaging.** *PET clinics*
Duan, H., Iagaru, A.
2023
- **A Pilot Study of 68Ga-PSMA11 and 68Ga-RM2 PET/MRI for Biopsy Guidance in Patients with Suspected Prostate Cancer.** *Journal of nuclear medicine : official publication, Society of Nuclear Medicine*
Duan, H., Ghanouni, P., Daniel, B., Rosenberg, J., Thong, A., Kunder, C., Mari Aparici, C., Davidzon, G. A., Moradi, F., Sonn, G. A., Iagaru, A.
2022
- **A Pilot Study of 68Ga-PSMA11 and 68Ga-RM2 PET/MRI for Evaluation of Prostate Cancer Response to High Intensity Focused Ultrasound (HIFU) Therapy.** *Journal of nuclear medicine : official publication, Society of Nuclear Medicine*
Duan, H., Ghanouni, P., Daniel, B., Rosenberg, J., Davidzon, G. A., Mari Aparici, C., Kunder, C., Sonn, G., Iagaru, A.
2022
- **PET Imaging Using Gallium-68 (68Ga) RM2.** *PET clinics*
Duan, H., Iagaru, A.
2022
- **The use of advanced imaging in guiding the further investigation and treatment of primary prostate cancer** *CANCER IMAGING*
Duan, H., Iagaru, A.
2022; 22 (1): 45
- **A Pilot Study of Ga-68-PSMA11 and 68Ga-RM2 PET/MRI for Biopsy Guidance in Patients with Suspected Prostate Cancer**
Duan, H., Ghanouni, P., Daniel, B., Rosenberg, J., Thong, A., Sonn, G. A., Kunder, C., Davidzon, G. A., Aparici, C., Moradi, F., Iagaru, A.
SPRINGER.2022: S484
- **A Pilot Study of Ga-68-PSMA11 and Ga-68-RM2 PET/MRI for Evaluation of Prostate Cancer Response to High Intensity Focused Ultrasound (HIFU) Therapy**
Duan, H., Ghanouni, P., Daniel, B., Rosenberg, J., Davidzon, G. A., Aparici, C., Thong, A., Sonn, G. A., Kunder, C., Iagaru, A.
SPRINGER.2022: S497-S498
- **Biodistribution of a Mitochondrial Metabolic Tracer, [18F]F-AraG, in Healthy Volunteers.** *Molecular imaging*
Levi, J., Duan, H., Yaghoubi, S., Packiasamy, J., Huynh, L., Lam, T., Shaikh, F., Behera, D., Song, H., Blecha, J., Jivan, S., Seo, Y., VanBrocklin, et al
2022; 2022: 3667417
- **Biodistribution of a Mitochondrial Metabolic Tracer, [F-18]F-AraG, in Healthy Volunteers** *MOLECULAR IMAGING*
Levi, J., Duan, H., Yaghoubi, S., Packiasamy, J., Huynh, L., Lam, T., Shaikh, F., Behera, D., Song, H., Blecha, J., Jivan, S., Seo, Y., VanBrocklin, et al
2022; 2022
- **89Zr-panitumumab combined with 18F-FDG-PET improves detection and staging of head and neck squamous cell carcinoma.** *Clinical cancer research : an official journal of the American Association for Cancer Research*

- Lee, Y., van den Berg, N. S., Duan, H., Azevedo, E. C., Ferri, V., Hom, M., Raymundo, R. C., Valencia, A., Castillo, J., Shen, B., Zhou, Q., Freeman, L., Koran, et al
2022
- **Striking Size Reduction of Rapidly Growing Pancreatic Neuroendocrine Carcinoma Metastatic Nodal Conglomerate After Only 2 Cycles of 177Lu-DOTATATE.** *Clinical nuclear medicine*
Somoza, E. A., Duan, H., Shaheen, S., Fischer, G. A., Aparici, C. M.
2022
 - **Hong Song, Heying Duan, Caitlyn Harrison, Kip Guja, Negin Hatami, Judy Nguyen, Benjamin Franc, Farshad Moradi, Carina Mari Aparici, Guido Davidzon, Sandy Srinivas and Andrei Iagaru**
Song, H., Duan, H., Harrison, C., Guja, K., Hatami, N., Nguyen, J., Franc, B., Moradi, F., Aparici, C., Davidzon, G., Srinivas, S., Iagaru, A.
SOC NUCLEAR MEDICINE INC.2022
 - **Results of First Interim Analysis of 68Ga-NeoB and 68Ga-PSMA R2 PET/MRI in Patients with Biochemically Recurrent Prostate Cancer**
Duan, H., Song, H., Davidzon, G., Moradi, F., Iagaru, A.
SOC NUCLEAR MEDICINE INC.2022
 - **Phase 2 drug target engagement study of PLN-74809 in patients with idiopathic pulmonary fibrosis using a novel av beta 6 cystine knot PET imaging tracer**
Wardak, M., Turner, S., Mooney, J., Rizzo, G., Morris, K., Jacobs, S., Duan, H., Lefebvre, E., Cosgrove, G., Wong, S., Bellini, J., Jurek, M., Decaris, et al
SOC NUCLEAR MEDICINE INC.2022
 - **Correlation of 68Ga-RM2 PET with Post-Surgery Histopathology Findings in Patients with Newly Diagnosed Intermediate- or High-Risk Prostate Cancer.** *Journal of nuclear medicine : official publication, Society of Nuclear Medicine*
Duan, H., Baratto, L., Fan, R. E., Soerensen, S. J., Liang, T., Chung, B. I., Thong, A. E., Gill, H., Kunder, C., Stoyanova, T., Rusu, M., Loening, A. M., Ghanouni, et al
2022
 - **68Ga-PSMA-11 PET/MRI in patients with newly diagnosed intermediate or high-risk prostate adenocarcinoma: PET findings correlate with outcomes after definitive treatment.** *Journal of nuclear medicine : official publication, Society of Nuclear Medicine*
Moradi, F., Duan, H., Song, H., Davidzon, G. A., Chung, B. I., Thong, A. E., Loening, A. M., Ghanouni, P., Sonn, G., Iagaru, A.
2022
 - **Evaluation of Liver and Renal Toxicity in Peptide Receptor Radionuclide Therapy for Somatostatin Receptor Expressing Tumors: A 2-Year Follow-Up.** *The oncologist*
Duan, H., Ferri, V., Fisher, G. A., Shaheen, S., Davidzon, G. A., Iagaru, A., Mari Aparici, C.
2022
 - **Evaluation of Liver and Renal Toxicity in Peptide Receptor Radionuclide Therapy for Somatostatin Receptor Expressing Tumors: A 2-Year Follow-Up** *ONCOLOGIST*
Duan, H., Ferri, V., Fisher, G., Shaheen, S., Davidzon, G., Iagaru, A., Aparici, C.
2022
 - **Peptide Receptor Radionuclide Therapy (PRRT) in Advanced Pheochromocytoma and Paraganglioma From a Single Institution Experience**
Duan, H., Ferri, V., Fisher, G. A., Shaheen, S., Davidzon, G. A., Moradi, F., Nguyen, J., Franc, B. L., Iagaru, A., Aparici, C.
LIPPINCOTT WILLIAMS & WILKINS.2022: E42-E43
 - **Phantom study of SPECT/CT augmented reality for intraoperative localization of sentinel lymph nodes in head and neck melanoma.** *Oral oncology*
Nakamoto, R., Zhuo, J., Guja, K. E., Duan, H., Perkins, S. L., Leuze, C., Daniel, B. L., Franc, B. L.
1800; 125: 105702
 - **Radiotheranostics - Precision Medicine in Nuclear Medicine and Molecular Imaging.** *Nanotheranostics*
Duan, H., Iagaru, A., Aparici, C. M.
1800; 6 (1): 103-117
 - **68Ga-PSMA11 PET/CT for biochemically recurrent prostate cancer: Influence of dual-time and PMT- vs SiPM-based detectors.** *Translational oncology*
Duan, H., Baratto, L., Hatami, N., Liang, T., Mari Aparici, C., Davidzon, G. A., Iagaru, A.
2021; 15 (1): 101293
 - **Pilot-phase PET/CT study targeting integrin alphavbeta6 in pancreatic cancer patients using the cystine-knot peptide-based 18F-FP-R01-MG-F2.** *European journal of nuclear medicine and molecular imaging*

Nakamoto, R., Ferri, V., Duan, H., Hatami, N., Goel, M., Rosenberg, J., Kimura, R., Wardak, M., Haywood, T., Kellow, R., Shen, B., Park, W., Iagaru, et al
2021

- **PROSPECTIVE STUDY OF (68)GA-RM2 PET/MRI IN PATIENTS WITH BIOCHEMICALLY RECURRENT PROSTATE CANCER AND NEGATIVE CONVENTIONAL IMAGING**
Baratto, L., Song, H., Duan, H., Moradi, F., Davidzon, G., Iagaru, A.
LIPPINCOTT WILLIAMS & WILKINS.2021: E1178
- **Reduced Acquisition Time Per Bed Position for PET/MRI Using 68Ga-RM2 or 68Ga-PSMA11 in Patients With Prostate Cancer: A Retrospective Analysis.** *AJR. American journal of roentgenology*
Duan, H., Baratto, L., Hatami, N., Liang, T., Levin, C. S., Khalighi, M. M., Iagaru, A.
2021
- **A Pilot Study of 68Ga-PSMA11 PET/MRI and 68Ga-RM2 PET/MRI for Biopsy Guidance in Patients with Suspected Prostate Cancer**
Duan, H., Ferri, V., Ghanouni, P., Daniel, B., Hatami, N., Davidzon, G., Aparici, C., Moradi, F., Thong, A., Sonn, G., Iagaru, A.
SOC NUCLEAR MEDICINE INC.2021
- **Biodistribution and Safety of F-18-FP-R(0)1-MG-F2 Knottin PET Tracer in Patients with Pancreatic Cancer**
Nakamoto, R., Duan, H., Ferri, V., Hatami, N., Goel, M., Kimura, R., Wardak, M., Haywood, T., Shen, B., Park, W., Iagaru, A.
SOC NUCLEAR MEDICINE INC.2021
- **Pilot Comparison of F-18-FP-R01-MG-F2 and F-18-FDG PET in Patients with Pancreatic Cancer**
Nakamoto, R., Duan, H., Ferri, V., Hatami, N., Goel, M., Kimura, R., Wardak, M., Haywood, T., Shen, B., Park, W., Iagaru, A.
SOC NUCLEAR MEDICINE INC.2021
- **PSMA- and GRPR-targeted PET: Results from 50 Patients with Biochemically Recurrent Prostate Cancer.** *Journal of nuclear medicine : official publication, Society of Nuclear Medicine*
Baratto, L., Song, H., Duan, H., Hatami, N., Bagshaw, H., Buyyounouski, M., Hancock, S., Shah, S. A., Srinivas, S., Swift, P., Moradi, F., Davidzon, G. A., Iagaru, et al
2021
- **High quality imaging and dosimetry for yttrium-90 (90Y) liver radioembolization using a SiPM-based PET/CT scanner.** *European journal of nuclear medicine and molecular imaging*
Duan, H., Khalaf, M. H., Ferri, V., Baratto, L., Srinivas, S. M., Sze, D. Y., Iagaru, A.
2021
- **Pulmonary large cell neuroendocrine carcinoma (LCNEC) with confirmed liver metastases negative on 18F-FDG and 68Ga-DOTATATE PET.** *Radiology case reports*
Ninatti, G., Duan, H., Ferri, V., Martin, B. A., Aparici, C. M.
2020; 15 (12): 2698–2700
- **A prospective study of Ga-68-RM2 PET/MRI in patients with biochemically recurrent prostate cancer and negative conventional imaging.**
Baratto, L., Song, H., Duan, H., Aparici, C., Davidzon, G., Moradi, F., Srinivas, S., Iagaru, A.
LIPPINCOTT WILLIAMS & WILKINS.2020
- **Prospective evaluation of F-18-DCFPyL PET/CT in biochemically recurrent prostate cancer: Analysis of lesion localization and distribution.**
Song, H., Duan, H., Harrison, C., Guja, K., Hatami, N., Franc, B., Moradi, F., Aparici, C., Davidzon, G., Srinivas, S., Iagaru, A.
AMER SOC CLINICAL ONCOLOGY.2020
- **Peptide receptor radionuclide therapy (PRRT) for neuroendocrine tumors (NET): A two-year single institution experience**
Duan, H., Ninatti, G., Girod, B., Ferri, V., Guja, K., Song, H., Kunz, P., Fisher, G., Iagaru, A., Aparici, C.
SOC NUCLEAR MEDICINE INC.2020
- **A pilot study of F-18-FSPG SiPM-based PET/CT in patients referred for exclusion of active cardiac sarcoidosis and negative or non-diagnostic F-18-FDG PET/CT**
Duan, H., Hatami, N., Baratto, L., Davidzon, G., Aparici, C., Gambhir, S., Koglin, N., Witteles, R., Iagaru, A.
SOC NUCLEAR MEDICINE INC.2020
- **Ga-68-RM2 PET/CT in Patients with Newly Diagnosed Intermediate- or High-Risk Prostate Cancer**
Baratto, L., Duan, H., Hatami, N., Aparici, C., Davidzon, G., Iagaru, A.
SOC NUCLEAR MEDICINE INC.2020

- **Determining optimal uptake time for Ga-68-labeled radiopharmaceuticals targeting gastrin-releasing peptide receptors with a modified NEMA phantom.**
Ramos, K., Ferri, V., Baratto, L., Duan, H., Iagaru, A.
SOC NUCLEAR MEDICINE INC.2020
- **Ga-68-PSMA-11 PET/MR Imaging before prostatectomy: correlation with surgical pathology and two-year follow up**
Moradi, F., Baratto, L., Duan, H., Hatami, N., Davidzon, G., Sonn, G., Iagaru, A.
SOC NUCLEAR MEDICINE INC.2020
- **PSMA-and GRPR-targeted PET: Preliminary Results in Patients with Biochemically Recurrent Prostate Cancer**
Baratto, L., Duan, H., Hatami, N., Song, H., Davidzon, G., Franc, B., Aparici, C., Moradi, F., Nguyen, J., Iagaru, A.
SOC NUCLEAR MEDICINE INC.2020
- **Toxicity identification and evaluation of peptide receptor radionuclide therapy (PRRT) for neuroendocrine tumors (NETs)**
Duan, H., Girod, B., Ninatti, G., Ferri, V., Kunz, P., Fisher, G., Moradi, F., Davidzon, G., Franc, B., Iagaru, A., Aparici, C.
SOC NUCLEAR MEDICINE INC.2020
- **INTERIM ANALYSIS RESULTS OF A PROSPECTIVE STUDY OF (68)GA-RM2 PET/MRI IN PATIENTS WITH BIOCHEMICALLY RECURRENT PROSTATE CANCER AND NEGATIVE CONVENTIONAL IMAGING**
Baratto, L., Song, H., Duan, H., Aparici, C., Hatami, N., Davidzon, G., Moradi, F., Iagaru, A.
LIPPINCOTT WILLIAMS & WILKINS.2020: E1118
- **Single institution experience with peptide receptor radionuclide therapy (PRRT) in neuroendocrine tumors (NET)**
Duan, H., Ninatti, G., Girod, B., Ferri, V., Kunz, P. L., Fisher, G. A., Moradi, F., Davidzon, G., Franc, B., Iagaru, A., Mari, C.
AMER SOC CLINICAL ONCOLOGY.2020
- **Imaging the Distribution of Gastrin Releasing Peptide Receptors in Cancer.** *Journal of nuclear medicine : official publication, Society of Nuclear Medicine*
Baratto, L. n., Duan, H. n., Maecke, H. R., Iagaru, A. n.
2020
- **The Effect of Various # Values on Image Quality and Semiquantitative Measurements in 68Ga-RM2 and 68Ga-PSMA-11 PET/MRI Images Reconstructed With a Block Sequential Regularized Expectation Maximization Algorithm.** *Clinical nuclear medicine*
Baratto, L. n., Duan, H. n., Ferri, V. n., Khalighi, M. n., Iagaru, A. n.
2020
- **Prospective Evaluation in an Academic Center of 18F-DCFPyL PET/CT in Biochemically Recurrent Prostate Cancer: A Focus on Localizing Disease and Changes in Management.** *Journal of nuclear medicine : official publication, Society of Nuclear Medicine*
Song, H., Harrison, C., Duan, H., Guja, K., Hatami, N., Franc, B., Moradi, F., Mari Aparici, C., Davidzon, G., Iagaru, A.
2019
- **Physiological 68Ga-RM2 uptake in patients with biochemically recurrent prostate cancer: an atlas of semi-quantitative measurements.** *European journal of nuclear medicine and molecular imaging*
Baratto, L., Duan, H., Laudicella, R., Toriihara, A., Hatami, N., Ferri, V., Iagaru, A.
2019
- **F-18-FPPRGD(2) PET/CT in patients with metastatic renal cell cancer** *EUROPEAN JOURNAL OF NUCLEAR MEDICINE AND MOLECULAR IMAGING*
Toriihara, A., Duan, H., Thompson, H. M., Park, S., Hatami, N., Baratto, L., Fan, A. C., Iagaru, A.
2019; 46 (7): 1518–23
- **Preliminary Results of a Prospective Study of Ga-68-RM2 PET/MRI for Detection of Recurrent Prostate Cancer in Patients with Negative Conventional Imaging**
Baratto, L., Duan, H., Harrison, C., Hatami, N., Aparici, C., Davidzon, G., Yohannan, T., Iagaru, A.
SOC NUCLEAR MEDICINE INC.2019
- **Prospective evaluation of Ga-68-RM2 PET/MRI and Ga-68-PSMA11 PET/CT in patients with biochemical recurrence of prostate cancer**
Baratto, L., Duan, H., Hatami, N., Toriihara, A., Song, H., Iagaru, A.
SOC NUCLEAR MEDICINE INC.2019
- **Comparison of three interpretation criteria of Ga-68-PS A PET based on in er and intra-reader agreement**
Toriihara, A., Nobashi, T., Baratto, L., Park, S., Hatami, N., Duan, H., Aparici, C., Davidzon, G., Iagaru, A.
SOC NUCLEAR MEDICINE INC.2019

- **Prospective Comparison of F-18-DCFPyL PET/CT with F-18-NaF PET/CT for Detection of Skeletal Metastases in Biochemically Recurrent Prostate Cancer**
Duan, H., Song, H., Baratto, L., Khalaf, M., Hatami, N., Franc, B., Moradi, F., Davidzon, G., Aparici, C., Iagaru, A.
SOC NUCLEAR MEDICINE INC.2019
- **Clinical Follow-Up after Imaging and Dosimetry for Yttrium-90 (Y-90) Liver Radioembolization Using a SiPM-Based PET/CT Scanner**
Duan, H., Khalaf, M., Baratto, L., Srinivas, S., Sze, D., Iagaru, A.
SOC NUCLEAR MEDICINE INC.2019
- **18F-FPPRGD2 PET/CT in patients with metastatic renal cell cancer.** *European journal of nuclear medicine and molecular imaging*
Torihara, A., Duan, H., Thompson, H. M., Park, S., Hatami, N., Baratto, L., Fan, A. C., Iagaru, A.
2019
- **Comparison of three interpretation criteria of 68Ga-PSMA11 PET based on inter- and intra-reader agreement.** *Journal of nuclear medicine : official publication, Society of Nuclear Medicine*
Torihara, A. n., Nobashi, T. n., Baratto, L. n., Duan, H. n., Moradi, F. n., Park, S. n., Hatami, N. n., Aparici, C. n., Davidzon, G. n., Iagaru, A. n.
2019
- **The Role of PET/CT in the Imaging of Pancreatic Neoplasms.** *Seminars in ultrasound, CT, and MR*
Duan, H. n., Baratto, L. n., Iagaru, A. n.
2019; 40 (6): 500–508