



Geoffrey Sonn

Associate Professor of Urology and, by courtesy, of Radiology (Body MRI)

 Curriculum Vitae available Online

CLINICAL OFFICE (PRIMARY)

- **Uro-Oncology Clinic**

875 Blake Wilbur Dr Clinic E

MC 6513

Stanford, CA 94305

Tel (650) 498-6000 **Fax** (650) 736-7379

Bio

BIO

Geoffrey Sonn, MD is a board certified urologist who specializes in treating patients with prostate and kidney cancer. He has a particular interest in cancer imaging, MRI-Ultrasound fusion targeted prostate biopsy, prostate cancer focal therapy, and robotic surgery for prostate and kidney cancer. He was the Stanford principal investigator of a major clinical trial using MRI-guided focused ultrasound to treat prostate cancer. The goal of this trial was to treat prostate cancer with fewer side effects than surgery or radiation.

Dr. Sonn was born in Washington State and lived there until leaving for college at Georgetown in Washington DC. After graduating magna cum laude at Georgetown he returned to the West Coast for medical school at UCLA. Following medical school, Dr. Sonn completed a 6-year urology residency at Stanford where he developed particular interests in the clinical care of patients with urologic cancers and research in cancer imaging. He then spent two years at UCLA as a urologic oncology fellow where he devoted all his time to gaining additional skills and experience in clinical care and research in urologic malignancies. Since finishing his fellowship, Dr. Sonn has been at Stanford where he applies the skills he gained in residency and fellowship to provide high-quality clinical care to patients with urologic cancers. Dr. Sonn also continues to work to develop new methods to better diagnose and treat urologic cancers through research. His primary research focus is in prostate cancer focal therapy and developing artificial intelligence methods to improve prostate cancer detection on MRI and ultrasound.

CLINICAL FOCUS

- Cancer > Urologic Oncology
- Prostate Cancer
- Kidney Cancer
- Ablation Techniques
- Biopsy
- Testicular Cancer
- Urology

- Robotics

ACADEMIC APPOINTMENTS

- Associate Professor - University Medical Line, Urology
- Associate Professor - University Medical Line (By courtesy), Radiology
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Stanford Cancer Institute

ADMINISTRATIVE APPOINTMENTS

- Cortlandt T. Hill Memorial Scholar, School of Medicine, (2022- present)

HONORS AND AWARDS

- First Place in Prostate Cancer Detection & Screening Poster Session, American Urological Association (2013)
- Research Award for Fluorescent Imaged Guided Surgery in Prostate Cancer, Longmire Surgical Society at UCLA (2013)
- First Place in Localized Kidney Cancer Poster Session, American Urological Association (2010)
- Third Place Resident Essay Contest in Clinical Research, American Urological Association (2009)
- CaPSURE Scholars Program, UCSF Department of Urology (2008)
- First Place Resident essay contest, Western Section AUA (2008)
- Richard K. Lo Resident Publication Award, Stanford Urology (2010)
- Mahoney Medal (Outstanding pre med with a liberal arts major), Georgetown University (2001)

PROFESSIONAL EDUCATION

- Fellowship: UCLA David Geffen School Of Medicine (2013) CA
- Medical Education: UCLA David Geffen School Of Medicine (2005) CA
- Residency: Stanford University Medical Center (2011) CA
- Residency: Stanford University Medical Center (2007) CA
- Board Certification: Urology, American Board of Urology (2015)

LINKS

- My Lab Website: <https://med.stanford.edu/ucil.html>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My primary interest is in improving prostate cancer diagnosis and treatment through MRI and image-targeted prostate biopsy. In collaboration with radiologists at Stanford, we are working to define the optimal role of MRI in prostate cancer. We hope to improve cancer imaging to the point that some men with elevated PSA may safely avoid prostate biopsy. For those who need biopsy, we are evaluating novel MRI-US fusion targeted biopsy, a technique that greatly improves upon the conventional biopsy method. More accurate prostate biopsy enables better decision making about treatment options such as deciding between active surveillance and surgery.

Moving beyond biopsy, I am interested in the use of imaging to select patients who are candidates for prostate cancer focal therapy. Focal therapy involves ablation of prostate cancers under image guidance without destruction or removal of the normal areas of the prostate and with less damage to important surrounding structures that are important for erectile function and urinary continence.

I am also interested in developing novel molecular imaging techniques such as near infrared fluorescence imaging to improve surgery for prostate and kidney cancer.

CLINICAL TRIALS

- EDRN Prostate MRI Biomarker Study and Reference Set, Recruiting
- BR55 Ultrasound Contrast Agent in Prostate Cancer Assessment by Molecular Imaging of VEGFR2 , Not Recruiting
- Combined Ultrasound and Photoacoustic Imaging (PAI) of the Prostate: A Clinical Feasibility Study, Not Recruiting
- Continued Access to Eval Focal MR-Guided Focused Ultrasound Tx in Intermediate Risk Prostate Lesions, Not Recruiting
- Focal MR-Guided Focused Ultrasound Treatment of Localized Intermediate Risk Prostate Lesions, Not Recruiting
- Phase III StandardSystemicTherapy(SST) vs SST +Definitive Tx(Surgery orRadiation) in Prostate Cancer, Not Recruiting
- Phase TBD Customized ProstateAblation w/TULSA Procedure vs RadcalProstatectomy Tx in ProstateCancer, Not Recruiting
- Predicting Location and Extent of Prostate Cancer using Micro-Ultrasound Imaging, Not Recruiting

Teaching

STANFORD ADVISEES

Med Scholar Project Advisor

Elijah Sommer

Postdoctoral Faculty Sponsor

Tanmoy Sarkar Pias, Sourya Sengupta

Publications

PUBLICATIONS

- **Prostate Cancer Detection on Micro-Ultrasound Raw Data Using a Deep Learning Neural Network.** *Ultrasound in medicine & biology*
El Kaffas, A., Tiyarattanachai, T., Rusu, M., Wodlinger, B., Fan, R. E., Liss, M., Rakow-Penner, R., Sonn, G. A.
2026
- **Second-Line Radiation Therapy for Locally Recurrent Prostate Cancer After Focal Therapy: A Single Institution Matched-Pair Analysis.** *Clinical genitourinary cancer*
Ewongwo, A., Kalahasti, N. V., Hui, C., Taparra, K., Sonn, G., Ghanouni, P., Bagshaw, H. P., Buyyounouski, M. K.
2026; 24 (4): 102562
- **A Clinicopathologic Review of 111 Prostate Biopsies Following High-Intensity Focused Ultrasound (HIFU) Therapy**
Wu, D., Fan, R., Sangoi, A., Sonn, G., Chan, E.
ELSEVIER SCIENCE INC.2026
- **Perioperative outcomes from a randomized controlled trial comparing MRI-guided transurethral ultrasound ablation (TULSA) to robot-assisted radical prostatectomy (RARP).**
Olivares, R., Meng, X., Lotan, Y., Sprenkle, P., Sonn, G. A., Mynderse, L. A., Pathak, R., Pavlovich, C., George, A., Koch, M. O., Bahler, C. D., Brisbane, W. G., Kella, et al
LIPPINCOTT WILLIAMS & WILKINS.2026
- **CAPTAIN randomised controlled trial comparing MRI-guided transurethral ultrasound ablation (TULSA) against robotic prostatectomy: baseline characteristics and initial perioperative outcomes**
Klotz, L., Kella, N., Sonn, G., Mynderse, L., Pavlovich, C., Michel, K., Anttinen, M., Sprenkle, P., Inman, B., Meng, X.
WILEY.2026
- **Optimizing prostate cancer treatment with MR-guided focused ultrasound: the role of expanded ablation-to-lesion volume ratio.** *European radiology*

- Bitton, R. R., Vertosick, E., Khandwala, Y., Korol, G., Vickers, A., Ehdaie, B., Sonn, G., Ghanouni, P.
2026
- **The Current Role of Renal Mass Biopsy.** *Radiologic clinics of North America*
Shen, L., Kwon, D. H., Sonn, G. A., Tse, J. R.
2025; 63 (6): 889-897
 - **ProMUS-NET: Artificial intelligence detects more prostate cancer than urologists on micro-ultrasonography.** *BJU international*
Zhou, S. R., Zhang, L., Choi, M. H., Vesal, S., Kinnaird, A., Brisbane, W. G., Lughezzani, G., Maffei, D., Fasulo, V., Albers, P., Fan, R. E., Shao, W., Sonn, et al
2025
 - **Clinical and Imaging Factors Impacting Positive Predictive Value of Prostate MRI.** *Radiology*
Soerensen, S. J., Rosenberg, J., Franks, Z., Rusu, M., Fan, R. E., Sonn, G. A., Ghanouni, P.
2025; 316 (2): e250413
 - **Computer vision for evaluating retraction of the neurovascular bundle during nerve-sparing prostatectomy.** *Journal of robotic surgery*
Ghaffar, U., Olsen, R., Deo, A., Yang, C., Varghese, J., Tsai, R. G., Heard, J., Dadashian, E., Prentice, C., Wager, P., Ma, R., Wagner, C., Sonn, et al
2025; 19 (1): 257
 - **A Comparison of Stockholm3, Serum Biomarkers, and Risk Calculators to Predict Prostate Cancer in a Racially and Ethnically Diverse Cohort: Evaluation of the Stockholm3 Multiethnic SEPTA Trial.** *The Journal of urology*
Lazarovich, A., Vigneswaran, H., Palsdottir, T., Eklund, M., Discacciati, A., Nordström, T., Hubbard, R. A., Perlis, N., Abern, M. R., Moreira, D. M., Yonover, P., Chow, A. K., Watts, et al
2025; 213 (5): 590-599
 - **SUCCESSFULLY RECRUITED: CAPTAIN RANDOMIZED CONTROLLED TRIAL COMPARING THE TULSA PROCEDURE AGAINST RADICAL PROSTATECTOMY**
Meng, X., Lotan, Y., Klotz, L., Kella, N., Anttinen, M., Sprenkle, P., Koch, M., Bahler, C., Pavlovich, C., George, A., Sonn, G., Inman, B., Michel, et al
LIPPINCOTT WILLIAMS & WILKINS.2025
 - **Surgical Performance Metrics for 1-Year Patient-Reported Outcomes After Radical Prostatectomy.** *JAMA surgery*
Heard, J. R., Ghaffar, U., Ma, R., Yang, C. H., Assel, M., Wagner, C., Sonn, G. A., Goh, A. C., Saikali, S., Patel, V., Vickers, A., Hu, J. C., Hung, et al
2025
 - **Multidisciplinary consensus prostate contours on magnetic resonance imaging: educational atlas and reference standard for artificial intelligence benchmarking.** *International journal of radiation oncology, biology, physics*
Song, Y., Dornisch, A., Dess, R. T., Margolis, D. J., Weinberg, E. P., Barrett, T., Cornell, M., Fan, R. E., Harisinghani, M., Kamran, S. C., Lee, J. H., Li, C. X., Liss, et al
2025
 - **ProstAtlasDiff: Prostate cancer detection on MRI using Diffusion Probabilistic Models guided by population spatial cancer atlases.** *Medical image analysis*
Li, C. X., Bhattacharya, I., Vesal, S., Ghanouni, P., Jahanandish, H., Fan, R. E., Sonn, G. A., Rusu, M.
2025; 101: 103486
 - **ProCUSNet: Prostate Cancer Detection on B-mode Transrectal Ultrasound Using Artificial Intelligence for Targeting During Prostate Biopsies.** *European urology oncology*
Rusu, M., Jahanandish, H., Vesal, S., Li, C. X., Bhattacharya, I., Venkataraman, R., Zhou, S. R., Kornberg, Z., Sommer, E. R., Khandwala, Y. S., Hockman, L., Zhou, Z., Choi, et al
2025
 - **Using Fiber Optic Bundles to Miniaturize Vision-Based Tactile Sensors** *IEEE TRANSACTIONS ON ROBOTICS*
Di, J., Dugonjic, Z., Fu, W., Wu, T., Mercado, R., Sawyer, K., Most, V., Kammerer, G., Speidel, S., Fan, R. E., Sonn, G., Cutkosky, M. R., Lambeta, et al
2025; 41: 62-81
 - **CAPTAIN randomized controlled trial of TULSA against radical prostatectomy for intermediate-risk prostate cancer: Design and best practices for successful recruitment**
Anttinen, M., Meng, X., Lotan, Y., Kella, N., Koch, M., Pavlovich, C., George, A., Michel, K., Sprenkle, P., Sonn, G., Mynderse, L., Chin, J., Inman, et al

Medical Journal Sweden AB.2025

- **The Challenge of External Generalisability: Insights from the Bicentric Validation of a [68Ga]Ga-PSMA-11 PET Based Radiomics Signature for Primary Prostate Cancer Characterisation Using Histopathology as Reference.** *Cancers*
Ghezzi, S., Bharathi, P. G., Duan, H., Mapelli, P., Sorgo, P., Davidzon, G. A., Bezzi, C., Chung, B. I., Samanes Gajate, A. M., Thong, A. E., Russo, T., Brembilla, G., Loening, et al
2024; 16 (23)
- **Aggressiveness classification of clear cell renal cell carcinoma using registration-independent radiology-pathology correlation learning.** *Medical physics*
Bhattacharya, I., Stacke, K., Chan, E., Lee, J. H., Tse, J. R., Liang, T., Brooks, J. D., Sonn, G. A., Rusu, M.
2024
- **Reviewer of the Month: Geoffrey Sonn.** *The Journal of urology*
Sonn, G.
2024: 101097JU00000000000004299
- **Trends in pre-biopsy MRI usage for prostate cancer detection, 2007-2022.** *Prostate cancer and prostatic diseases*
Soerensen, S. J., Li, S., Langston, M. E., Fan, R. E., Rusu, M., Sonn, G. A.
2024
- **Inter-reader Agreement for Prostate Cancer Detection Using Micro-ultrasound: A Multi-institutional Study** *EUROPEAN UROLOGY OPEN SCIENCE*
Zhou, S. R., Choi, M., Vesal, S., Kinnaird, A., Brisbane, W. G., Lughezzani, G., Maffei, D., Fasulo, V., Albers, P., Zhang, L., Kornberg, Z., Fan, R. E., Shao, et al
2024; 66: 93-100
- **Stockholm3 in a Multiethnic Cohort for Prostate Cancer Detection (SEPTA): A Prospective Multicentered Trial.** *Journal of clinical oncology : official journal of the American Society of Clinical Oncology*
Vigneswaran, H. T., Eklund, M., Discacciati, A., Nordström, T., Hubbard, R. A., Perlis, N., Abern, M. R., Moreira, D. M., Eggener, S., Yonover, P., Chow, A. K., Watts, K., Liss, et al
2024: JCO2400152
- **External validation of an artificial intelligence model for Gleason grading of prostate cancer on prostatectomy specimens.** *BJU international*
Schmidt, B., Soerensen, S. J., Bhambhani, H. P., Fan, R. E., Bhattacharya, I., Choi, M. H., Kunder, C. A., Kao, C. S., Higgins, J., Rusu, M., Sonn, G. A.
2024
- **Artificial intelligence and radiologists in prostate cancer detection on MRI (PI-CAI): an international, paired, non-inferiority, confirmatory study.** *The Lancet. Oncology*
Saha, A., Bosma, J. S., Twilt, J. J., van Ginneken, B., Bjartell, A., Padhani, A. R., Bonekamp, D., Villeirs, G., Salomon, G., Giannarini, G., Kalpathy-Cramer, J., Barentsz, J., Maier-Hein, et al
2024
- **Artificial Intelligence-Driven Model for Prostate Cancer Staging with PSMA PET: A Study Integrating Radiomics Features and SVM Classifier**
Bharathi, P., Ghezzi, S., Duan, H., Mapelli, P., Davidzon, G., Bezzi, C., Chung, B., Gajate, A., Thong, A., Russo, T., Brembilla, G., Loening, A., Ghanouni, et al
SOC NUCLEAR MEDICINE INC.2024
- **Patient Preferences for Benefit and Risk Associated With High Intensity Focused Ultrasound for the Ablation of Prostate Tissue in Men With Localized Prostate Cancer.** *Clinical genitourinary cancer*
Babalola, O., Gebben, D., Tarver, M. E., Joyce Lee, T., Wang, S., Siddiqui, M. M., Sonn, G. A., Viviano, C. J.
2024: 102113
- **PREDICTORS OF TREATMENT FAILURE AFTER FOCAL HIGH-INTENSITY FOCUSED ULTRASOUND (HIFU) OF LOCALIZED PROSTATE CANCER**
Soerensen, S., Sommer, E. R., Zhou, S. R., Rusu, M., Fan, R. E., Sonn, G. A.
LIPPINCOTT WILLIAMS & WILKINS.2024: E411-E412
- **ARTIFICIAL INTELLIGENCE-ASSISTED PROSTATE CANCER DETECTION ON B-MODE TRANSRECTAL ULTRASOUND IMAGES**
Bhattacharya, I., Vesal, S., Jahanandish, H., Choi, M., Zhou, S., Kornberg, Z., Sommer, E., Fan, R. E., Brooks, J. D., Rusu, M., Sonn, G. A.

LIPPINCOTT WILLIAMS & WILKINS.2024: E511

- **AI VS. UROLOGISTS: A COMPARATIVE ANALYSIS FOR PROSTATE CANCER DETECTION ON TRANSRECTAL B-MODE ULTRASOUND**
Vesal, S., Bhattacharya, I., Jahanandish, H., Choi, M., Zhou, S., Kornberg, Z., Sommer, E., Fan, R. E., Rusu, M., Sonn, G. A.
LIPPINCOTT WILLIAMS & WILKINS.2024: E1056
- **RAPHIA: A deep learning pipeline for the registration of MRI and whole-mount histopathology images of the prostate.** *Computers in biology and medicine*
Shao, W., Vesal, S., Soerensen, S. J., Bhattacharya, I., Golestani, N., Yamashita, R., Kunder, C. A., Fan, R. E., Ghanouni, P., Brooks, J. D., Sonn, G. A., Rusu, M.
2024; 173: 108318
- **Stockholm3 validation in a multi-ethnic cohort for prostate cancer (SEPTA) detection: A multicentered, prospective trial.**
Vigneswaran, H., Eklund, M., Discacciati, A., Nordstrom, T., Hubbard, R. A., Perlis, N., Abern, M., Moreira, D., Yonover, P. M., Chow, A., Watts, K., Liss, M. A., Thoreson, et al
LIPPINCOTT WILLIAMS & WILKINS.2024: 262
- **Improving Automated Prostate Cancer Detection and Classification Accuracy with Multi-scale Cancer Information**
Li, C., Bhattacharya, I., Vesal, S., Saunders, S., Soerensen, S., Fan, R. E., Sonn, G. A., Rusu, M.
edited by Cao, Xu, Rekik, Cui, Z., Ouyang
SPRINGER INTERNATIONAL PUBLISHING AG.2024: 341-350
- **A deep learning framework to assess the feasibility of localizing prostate cancer on b-mode transrectal ultrasound images**
Jahanandish, H., Vesal, S., Bhattacharya, I., Li, C., Fan, R. E., Sonn, G. A., Rusu, M.
edited by Boehm, B., Bottenus, N.
SPIE-INT SOC OPTICAL ENGINEERING.2024
- **Deep Learning for Prostate and Central Gland Segmentation on Micro-Ultrasound Images**
Zhang, L., Zhou, S., Choi, M., Fan, R. E., Sang, S., Sonn, G. A., Rusu, M.
edited by Boehm, B., Bottenus, N.
SPIE-INT SOC OPTICAL ENGINEERING.2024
- **SwinTransformer-Based Affine Registration of MRI and Ultrasound Images of the Prostate**
Sang, S., Jahanandish, H., Li, X., Vesal, S., Bhattacharya, I., Zhang, L., Fan, R. E., Sonn, G., Rusu, M.
edited by Boehm, B., Bottenus, N.
SPIE-INT SOC OPTICAL ENGINEERING.2024
- **ArtHiFy: Artificial Histopathology-style Features for Improving MRI-Based Prostate Cancer Detection**
Bhattacharya, I., Shao, W., Li, X., Soerensen, S. J. C., Fan, R. E., Ghanouni, P., Brooks, J. D., Sonn, G. A., Rusu, M.
edited by Chen, W., Astley, S. M.
SPIE-INT SOC OPTICAL ENGINEERING.2024
- **Prediction and Mapping of Intraprostatic Tumor Extent with Artificial Intelligence.** *European urology open science*
Priester, A., Fan, R. E., Shubert, J., Rusu, M., Vesal, S., Shao, W., Khandwala, Y. S., Marks, L. S., Natarajan, S., Sonn, G. A.
2023; 54: 20-27
- **Distinguishing Renal Cell Carcinoma From Normal Kidney Tissue Using Mass Spectrometry Imaging Combined With Machine Learning.** *JCO precision oncology*
Shankar, V., Vijayalakshmi, K., Nolley, R., Sonn, G. A., Kao, C. S., Zhao, H., Wen, R., Eberlin, L. S., Tibshirani, R., Zare, R. N., Brooks, J. D.
2023; 7: e2200668
- **Reply to Carmen Gravina, Riccardo Lombardo, and Cosimo De Nunzio's Letter to the Editor re: Yash S. Khandwala, Simon John Christoph Soerensen, Shravan Morisetty, et al. The Association of Tissue Change and Treatment Success During High-intensity Focused Ultrasound Focal Therapy for Prostate Cancer. Eur Urol Focus. In press. <https://doi.org/10.1016/j.euf.2022.10.010>.** *European urology focus*
Sonn, G., Khandwala, Y.
2023
- **IMPROVING PROSTATE CANCER DETECTION ON MRI WITH DEEP LEARNING, CLINICAL VARIABLES, AND RADIOMICS**
Saunders, S., Li, X., Vesal, S., Bhattacharya, I., Soerensen, S. J. C., Fan, R. E., Rusu, M., Sonn, G. A.
LIPPINCOTT WILLIAMS & WILKINS.2023: E665

- **DETECTION OF CLINICALLY SIGNIFICANT PROSTATE CANCER ON MRI: A COMPARISON OF AN ARTIFICIAL INTELLIGENCE MODEL VERSUS RADIOLOGISTS**
Soerensen, S., Fan, R. E., Bhattacharya, I., Lim, D. S., Ahmadi, S., Li, X., Vesal, S., Rusu, M., Sonn, G. A.
LIPPINCOTT WILLIAMS & WILKINS.2023: E103
- **Learn2Reg: Comprehensive Multi-Task Medical Image Registration Challenge, Dataset and Evaluation in the Era of Deep Learning** *IEEE TRANSACTIONS ON MEDICAL IMAGING*
Hering, A., Hansen, L., Mok, T. C. W., Chung, A. C. S., Siebert, H., Hager, S., Lange, A., Kuckertz, S., Heldmann, S., Shao, W., Vesal, S., Rusu, M., Sonn, et al
2023; 42 (3): 697-712
- **MIC-CUSP: Multimodal Image Correlations for Ultrasound-Based Prostate Cancer Detection**
Bhattacharya, I., Vesal, S., Jahanandish, H., Choi, M., Zhou, S., Kornberg, Z., Sommer, E., Fan, R., Brooks, J., Sonn, G., Rusu, M.
edited by Kainz, B., Noble, A., Schnabel, J., Khanal, B., Muller, J. P., Day, T.
SPRINGER INTERNATIONAL PUBLISHING AG.2023: 121-131
- **NCCN Guidelines Insights: Prostate Cancer Early Detection, Version 1.2023.** *Journal of the National Comprehensive Cancer Network : JNCCN*
Moses, K. A., Sprenkle, P. C., Bahler, C., Box, G., Carlsson, S. V., Catalona, W. J., Dahl, D. M., Dall'Era, M., Davis, J. W., Drake, B. F., Epstein, J. I., Etzioni, R. B., Farrington, et al
2023; 21 (3): 236-246
- **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
- **The Association of Tissue Change and Treatment Success During High-intensity Focused Ultrasound Focal Therapy for Prostate Cancer.** *European urology focus*
Khandwala, Y. S., Soerensen, S. J., Morisettey, S., Ghanouni, P., Fan, R. E., Vesal, S., Rusu, M., Sonn, G. 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
- **A review of artificial intelligence in prostate cancer detection on imaging.** *Therapeutic advances in urology*
Bhattacharya, I., Khandwala, Y. S., Vesal, S., Shao, W., Yang, Q., Soerensen, S. J., Fan, R. E., Ghanouni, P., Kunder, C. A., Brooks, J. D., Hu, Y., Rusu, M., Sonn, et al
2022; 14: 17562872221128791
- **Tempering optimism for MRI-guided focused ultrasound therapy - Authors' reply.** *The Lancet. Oncology*
Ehdaie, B., Sonn, G. A., Ghanouni, P.
2022; 23 (10): e439
- **Tempering optimism for MRI-guided focused ultrasound therapy Reply** *LANCET ONCOLOGY*
Ehdaie, B., Sonn, G. A., Ghanouni, P.
2022; 23 (10): E439
- **Domain generalization for prostate segmentation in transrectal ultrasound images: A multi-center study.** *Medical image analysis*
Vesal, S., Gayo, I., Bhattacharya, I., Natarajan, S., Marks, L. S., Barratt, D. C., Fan, R. E., Hu, Y., Sonn, G. A., Rusu, M.
2022; 82: 102620
- **Evaluation of post-ablation mpMRI as a predictor of residual prostate cancer after focal high intensity focused ultrasound (HIFU) ablation.** *Urologic oncology*
Khandwala, Y. S., Morisettey, S., Ghanouni, P., Fan, R. E., Soerensen, S. J., Rusu, M., Sonn, G. A.
2022
- **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

- **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
- **Multi-institutional analysis of clinical and imaging risk factors for detecting clinically significant prostate cancer in men with PI-RADS 3 lesions.** *Cancer*
Fang, A. M., Shumaker, L. A., Martin, K. D., Jackson, J. C., Fan, R. E., Khajir, G., Patel, H. D., Soodana-Prakash, N., Vourganti, S., Filson, C. P., Sonn, G. A., Sprenkle, P. C., Gupta, et al
2022
- **MRI-guided focused ultrasound focal therapy for patients with intermediate-risk prostate cancer: a phase 2b, multicentre study.** *The Lancet. Oncology*
Ehdaie, B., Tempany, C. M., Holland, F., Sjoberg, D. D., Kibel, A. S., Trinh, Q., Durack, J. C., Akin, O., Vickers, A. J., Scardino, P. T., Sperling, D., Wong, J. Y., Yuh, et al
2022
- **Computational Detection of Extraprostatic Extension of Prostate Cancer on Multiparametric MRI Using Deep Learning.** *Cancers*
Moroianu, S. L., Bhattacharya, I., Seetharaman, A., Shao, W., Kunder, C. A., Sharma, A., Ghanouni, P., Fan, R. E., Sonn, G. A., Rusu, M.
2022; 14 (12)
- **Bridging the gap between prostate radiology and pathology through machine learning.** *Medical physics*
Bhattacharya, I., Lim, D. S., Aung, H. L., Liu, X., Seetharaman, A., Kunder, C. A., Shao, W., Soerensen, S. J., Fan, R. E., Ghanouni, P., To'o, K. J., Brooks, J. D., Sonn, et al
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
- **MULTI-INSTITUTIONAL ANALYSIS OF CLINICAL AND IMAGING RISK FACTORS FOR DETECTING CLINICALLY SIGNIFICANT PROSTATE CANCER IN MEN WITH PI-RADS 3 LESIONS**
Fang, A., Shumaker, L., Martin, K., Onah, O., Jackson, J., Khajir, G., Fan, R., Soodana-Prakash, N., Patel, H., Vourganti, S., Filson, C., Sprenkle, P., Sonn, et al
LIPPINCOTT WILLIAMS & WILKINS.2022: E959
- **Image quality assessment for machine learning tasks using meta-reinforcement learning.** *Medical image analysis*
Saeed, S. U., Fu, Y., Stavrinides, V., Baum, Z. M., Yang, Q., Rusu, M., Fan, R. E., Sonn, G. A., Noble, J. A., Barratt, D. C., Hu, Y.
2022; 78: 102427
- **The Learn2Reg 2021 MICCAI Grand Challenge (PIMed Team)**
Shao, W., Vesal, S., Lim, D., Li, C., Golestani, N., Alsinan, A., Fan, R., Sonn, G., Rusu, M.
edited by Aubreville, M., Zimmerer, D., Heinrich, M.
SPRINGER INTERNATIONAL PUBLISHING AG.2022: 168-173
- **Integrating zonal priors and pathomic MRI biomarkers for improved aggressive prostate cancer detection on MRI**
Bhattacharya, I., Shao, W., Soerensen, S. J. C., Fan, R. E., Wang, J. B., Kunder, C., Ghanouni, P., Sonn, G. A., Rusu, M.
edited by Drukker, K., Iftekharuddin, K. M.
SPIE-INT SOC OPTICAL ENGINEERING.2022
- **Collaborative Quantization Embeddings for Intra-subject Prostate MR Image Registration**
Shen, Z., Yang, Q., Shen, Y., Giganti, F., Stavrinides, V., Fan, R., Moore, C., Rusu, M., Sonn, G., Torr, P., Barratt, D., Hu, Y.
edited by Wang, L., Dou, Q., Fletcher, P. T., Speidel, S., Li, S.

SPRINGER INTERNATIONAL PUBLISHING AG.2022: 237-247

- **EXTERNAL VALIDATION OF AN ARTIFICIAL INTELLIGENCE ALGORITHM FOR PROSTATE CANCER GLEASON GRADING AND TUMOR QUANTIFICATION**
Schmidt, B., Bhambhani, H. P., Fan, R. E., Kunder, C., Kao, C., Higgins, J. P., Rusu, M., Sonn, G. A.
LIPPINCOTT WILLIAMS & WILKINS.2021: E1004
- **Deep Learning Improves Speed and Accuracy of Prostate Gland Segmentations on Magnetic Resonance Imaging for Targeted Biopsy** *JOURNAL OF UROLOGY*
Soerensen, S., Fan, R. E., Seetharaman, A., Chen, L., Shao, W., Bhattacharya, I., Kim, Y., Sood, R., Borre, M., Chung, B., To'o, K. J., Rusu, M., Sonn, et al
2021; 206 (3): 605-612
- **DETAILED ANALYSIS OF MRI CONCORDANCE WITH PROSTATECTOMY HISTOPATHOLOGY USING DEEP LEARNING-BASED DIGITAL PATHOLOGY**
Hockman, L., Fan, R., Schmidt, B., Bhattacharya, I., Rusu, M., Sonn, G.
LIPPINCOTT WILLIAMS & WILKINS.2021: E813-E814
- **The stanford prostate cancer calculator: Development and external validation of online nomograms incorporating PIRADS scores to predict clinically significant prostate cancer.** *Urologic oncology*
Wang, N. N., Zhou, S. R., Chen, L., Tibshirani, R., Fan, R. E., Ghanouni, P., Thong, A. E., To'o, K. J., Amirkhiz, K., Nix, J. W., Gordetsky, J. B., Sprenkle, P., Rais-Bahrami, et al
2021
- **Consumption of cruciferous vegetables and the risk of bladder cancer in a prospective US cohort: data from the NIH-AARP diet and health study.** *American journal of clinical and experimental urology*
Nguyen, T. P., Zhang, C. A., Sonn, G. A., Eisenberg, M. L., Brooks, J. D.
2021; 9 (3): 229-238
- **Mapping PSA density to outcome of MRI-based active surveillance for prostate cancer through joint longitudinal-survival models.** *Prostate cancer and prostatic diseases*
Stavriniades, V., Papageorgiou, G., Danks, D., Giganti, F., Pashayan, N., Trock, B., Freeman, A., Hu, Y., Whitaker, H., Allen, C., Kirkham, A., Punwani, S., Sonn, et al
2021
- **A Pilot Study of 68Ga-PSMA11 PET/MRI and 68GaRM2 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
- **Deep Learning Improves Speed and Accuracy of Prostate Gland Segmentations on MRI for Targeted Biopsy.** *The Journal of urology*
Soerensen, S. J., Fan, R. E., Seetharaman, A., Chen, L., Shao, W., Bhattacharya, I., Kim, Y., Sood, R., Borre, M., Chung, B. I., To'o, K. J., Rusu, M., Sonn, et al
2021: 101097JU0000000000001783
- **Automated Detection of Aggressive and Indolent Prostate Cancer on Magnetic Resonance Imaging.** *Medical physics*
Seetharaman, A., Bhattacharya, I., Chen, L. C., Kunder, C. A., Shao, W., Soerensen, S. J., Wang, J. B., Teslovich, N. C., Fan, R. E., Ghanouni, P., Brooks, J. D., To'o, K. J., Sonn, et al
2021
- **MR method for measuring microscopic histologic soft tissue textures.** *Magnetic resonance in medicine*
Sonn, G. A., Fan, R. E., Kunder, C. A., Gold, G. E., James, K. M., Parker, I. D., Carlson, J. M., Cannizzaro, S. M., James, T. W.
2021
- **3D Registration of pre-surgical prostate MRI and histopathology images via super-resolution volume reconstruction.** *Medical image analysis*
Sood, R. R., Shao, W. n., Kunder, C. n., Teslovich, N. C., Wang, J. B., Soerensen, S. J., Madhuripan, N. n., Jawahar, A. n., Brooks, J. D., Ghanouni, P. n., Fan, R. E., Sonn, G. A., Rusu, et al
2021; 69: 101957
- **ProGNet: Prostate Gland Segmentation on MRI with Deep Learning**
Soerensen, S., Fan, R., Seetharaman, A., Chen, L., Shao, W., Bhattacharya, I., Borre, M., Chung, B., To'o, K., Sonn, G., Rusu, M.
edited by Isgum, Landman, B. A.

SPIE-INT SOC OPTICAL ENGINEERING.2021

- **Selective identification and localization of indolent and aggressive prostate cancers via CorrSigNIA: an MRI-pathology correlation and deep learning framework.** *Medical image analysis*
Bhattacharya, I., Seetharaman, A., Kunder, C., Shao, W., Chen, L. C., Soerensen, S. J., Wang, J. B., Teslovich, N. C., Fan, R. E., Ghanouni, P., Brooks, J. D., Sonn, G. A., Rusu, et al
2021; 75: 102288
- **Weakly Supervised Registration of Prostate MRI and Histopathology Images**
Shao, W., Bhattacharya, I., Soerensen, S. J. C., Kunder, C. A., Wang, J. B., Fan, R. E., Ghanouni, P., Brooks, J. D., Sonn, G. A., Rusu, M. edited by DeBuijne, M., Cattin, P. C., Cotin, S., Padoy, N., Speidel, S., Zheng, Y., Essert, C.
SPRINGER INTERNATIONAL PUBLISHING AG.2021: 98-107
- **UTILITY OF PSA DENSITY IN PREDICTING UPGRADED GLEASON SCORE IN MEN ON ACTIVE SURVEILLANCE WITH NEGATIVE MRI.** *Urology*
Press, B. H., Khajir, G., Ghabili, K., Leung, C., Fan, R. E., Wang, N. N., Leapman, M. S., Sonn, G. A., Sprenkle, P. C.
2021
- **Adaptable Image Quality Assessment Using Meta-Reinforcement Learning of Task Amenability**
Saeed, S. U., Fu, Y., Stavrinides, V., Baum, Z. M. C., Yang, Q., Rusu, M., Fan, R. E., Sonn, G. A., Noble, J., Barratt, D. C., Hu, Y. edited by Noble, J. A., Aylward, S., Grimwood, A., Min, Z., Lee, S. L., Hu, Y.
SPRINGER INTERNATIONAL PUBLISHING AG.2021: 191-201
- **Consumption of cruciferous vegetables and the risk of bladder cancer in a prospective US cohort: data from the NIH-AARP diet and health study** *AMERICAN JOURNAL OF CLINICAL AND EXPERIMENTAL UROLOGY*
Nguyen, T. P., Zhang, C. A., Sonn, G. A., Eisenberg, M. L., Brooks, J. D.
2021; 9 (3): 229-238
- **Superiorized Photo-Acoustic Non-NEGative Reconstruction (SPANNER) for Clinical Photoacoustic Imaging.** *IEEE transactions on medical imaging*
Steinberg, I. n., Kim, J. n., Schneider, M. K., Hyun, D. n., Zlitni, A. n., Hooper, S. M., Klap, T. n., Sonn, G. A., Dahl, J. J., Kim, C. n., Gambhir, S. S.
2021; PP
- **Intensity Normalization of Prostate MRIs using Conditional Generative Adversarial Networks for Cancer Detection**
DeSilvio, T., Moroiianu, S., Bhattacharya, I., Seetharaman, A., Sonn, G., Rusu, M. edited by Mazurowski, M. A., Drukker, K.
SPIE-INT SOC OPTICAL ENGINEERING.2021
- **Clinically significant prostate cancer detection on MRI with self-supervised learning using image context restoration**
Bolous, A., Seetharaman, A., Bhattacharya, I., Fan, R. E., Soerensen, S., Chen, L., Ghanouni, P., Sonn, G. A., Rusu, M. edited by Mazurowski, M. A., Drukker, K.
SPIE-INT SOC OPTICAL ENGINEERING.2021
- **Clinical -Prostate cancer Multicenter analysis of clinical and MRI characteristics associated with detecting clinically significant prostate cancer in PI-RADS (v2.0) category 3 lesions** *UROLOGIC ONCOLOGY-SEMINARS AND ORIGINAL INVESTIGATIONS*
Al Awamlh, B., Marks, L. S., Sonn, G. A., Natarajan, S., Fan, R. E., Gross, M. D., Mauer, E., Banerjee, S., Hectors, S., Carlsson, S., Margolis, D. J., Hu, J. C.
2020; 38 (7)
- **Registration of pre-surgical MRI and histopathology images from radical prostatectomy via RAPSODI.** *Medical physics*
Rusu, M., Shao, W., Kunder, C. A., Wang, J. B., Soerensen, S. J., Teslovich, N. C., Sood, R. R., Chen, L. C., Fan, R. E., Ghanouni, P., Brooks, J. D., Sonn, G. A.
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
- **ProsRegNet: A deep learning framework for registration of MRI and histopathology images of the prostate.** *Medical image analysis*
Shao, W. n., Banh, L. n., Kunder, C. A., Fan, R. E., Soerensen, S. J., Wang, J. B., Teslovich, N. C., Madhuripan, N. n., Jawahar, A. n., Ghanouni, P. n., Brooks, J. D., Sonn, G. A., Rusu, et al

2020; 68: 101919

- **Multicenter analysis of clinical and MRI characteristics associated with detecting clinically significant prostate cancer in PI-RADS (v2.0) category 3 lesions.** *Urologic oncology*
Al Hussein Al Awamlh, B. n., Marks, L. S., Sonn, G. A., Natarajan, S. n., Fan, R. E., Gross, M. D., Mauer, E. n., Banerjee, S. n., Hectors, S. n., Carlsson, S. n., Margolis, D. J., Hu, J. C.
2020
- **Identification of Diagnostic Metabolic Signatures in Clear Cell Renal Cell Carcinoma Using Mass Spectrometry Imaging.** *International journal of cancer*
Vijayalakshmi, K., Shankar, V., Bain, R. M., Nolley, R., Sonn, G. A., Kao, C., Zhao, H., Tibshirani, R., Zare, R. N., Brooks, J. D.
2019
- **Reply by Authors.** *The Journal of urology*
Gross, M. D., Marks, L. S., Sonn, G. A., Green, D. A., Wang, G. J., Shoag, J. E., Cabezon, E., Margolis, D. J., Robinson, B. D., Hu, J. C.
2019: 101097JU0000000000000053402
- **Multimodality Hyperpolarized C-13 MRS/PET/Multiparametric MR Imaging for Detection and Image-Guided Biopsy of Prostate Cancer: First Experience in a Canine Prostate Cancer Model** *MOLECULAR IMAGING AND BIOLOGY*
Bachawal, S. V., Park, J., Valluru, K. S., Loft, M., Felt, S. A., Vilches-Moure, J. G., Saenz, Y. F., Daniel, B., Iagaru, A., Sonn, G., Cheng, Z., Spielman, D. M., Willmann, et al
2019; 21 (5): 861–70
- **Variation in MRI-Ultrasound Fusion Targeted Biopsy Outcomes in Asian-American Men: A Multi-Center Study.** *The Journal of urology*
Gross, M. D., Marks, L. S., Sonn, G. A., Green, D. A., Wang, G. J., Shoag, J. E., Cabezon, E., Margolis, D. J., Robinson, B. D., Hu, J. C.
2019: 101097JU00000000000000534
- **Simultaneous transrectal ultrasound and photoacoustic human prostate imaging.** *Science translational medicine*
Kothapalli, S., Sonn, G. A., Choe, J. W., Nikoozadeh, A., Bhuyan, A., Park, K. K., Cristman, P., Fan, R., Moini, A., Lee, B. C., Wu, J., Carver, T. E., Trivedi, et al
2019; 11 (507)
- **Prostate Magnetic Resonance Imaging Interpretation Varies Substantially Across Radiologists** *EUROPEAN UROLOGY FOCUS*
Sonn, G. A., Fan, R. E., Ghanouni, P., Wang, N. N., Brooks, J. D., Loening, A. M., Daniel, B. L., To'o, K. J., Thong, A. E., Leppert, J. T.
2019; 5 (4): 592–99
- **Point Shear Wave Elastography Using Machine Learning to Differentiate Renal Cell Carcinoma and Angiomyolipoma.** *Ultrasound in medicine & biology*
Sagreiya, H., Akhbardeh, A., Li, D., Sigrist, R., Chung, B. I., Sonn, G. A., Tian, L., Rubin, D. L., Willmann, J. K.
2019
- **How Often is the Dynamic Contrast Enhanced Score Needed in PI-RADS Version 2?** *Current problems in diagnostic radiology*
Roh, A. T., Fan, R. E., Sonn, G. A., Vasanaawala, S. S., Ghanouni, P., Loening, A. M.
2019
- **AUTOMATED DETECTION OF PROSTATE CANCER ON MULTIPARAMETRIC MRI USING DEEP NEURAL NETWORKS TRAINED ON SPATIAL COORDINATES AND PATHOLOGY OF BIOPSY CORES**
Chen, L., Bien, N., Fan, R., Cheong, R., Rajpurkar, P., Thong, A., Wang, N., Ahmadi, S., Rusu, M., Brooks, J., Ng, A., Sonn, G.
LIPPINCOTT WILLIAMS & WILKINS.2019: E1098
- **GENERALIZABLE MULTI-SITE TRAINING AND TESTING OF DEEP NEURAL NETWORKS USING IMAGE NORMALIZATION.** *Proceedings. IEEE International Symposium on Biomedical Imaging*
Onofrey, J. A., Casetti-Dinescu, D. I., Lauritzen, A. D., Sarkar, S., Venkataraman, R., Fan, R. E., Sonn, G. A., Sprenkle, P. C., Staib, L. H., Papademetris, X.
2019; 2019: 348-351
- **Multimodality Hyperpolarized C-13 MRS/PET/Multiparametric MR Imaging for Detection and Image-Guided Biopsy of Prostate Cancer: First Experience in a Canine Prostate Cancer Model.** *Molecular imaging and biology : MIB : the official publication of the Academy of Molecular Imaging*
Bachawal, S. V., Park, J. M., Valluru, K. S., Loft, M. D., Felt, S. A., Vilches-Moure, J. G., Saenz, Y. F., Daniel, B., Iagaru, A., Sonn, G., Cheng, Z., Spielman, D. M., Willmann, et al
2019

- **Applying the PRECISION approach in biopsy naïve and previously negative prostate biopsy patients.** *Urologic oncology*
Wang, N. N., Teslovich, N. C., Fan, R. E., Ghanouni, P. n., Leppert, J. T., Brooks, J. D., Ahmadi, S. n., Sonn, G. A.
2019
- **Framework for the co-registration of MRI and Histology Images in Prostate Cancer Patients with Radical Prostatectomy**
Rusu, M., Kunder, C., Fan, R., Ghanouni, P., West, R., Sonn, G., Brooks, J.
edited by Angelini, E. D., Landman, B. A.
SPIE-INT SOC OPTICAL ENGINEERING.2019
- **GENERALIZABLE MULTI-SITE TRAINING AND TESTING OF DEEP NEURAL NETWORKS USING IMAGE NORMALIZATION**
Onofrey, J. A., Casetti-Dinescu, D. I., Lauritzen, A. D., Sarkar, S., Venkataraman, R., Fan, R. E., Sonn, G. A., Sprenkle, P. C., Staib, L. H., Papademetris, X., IEEE
IEEE.2019: 348–51
- **Validation of an epigenetic field of susceptibility to detect significant prostate cancer from non-tumor biopsies.** *Clinical epigenetics*
Yang, B. n., Etheridge, T. n., McCormick, J. n., Schultz, A. n., Khemees, T. A., Damaschke, N. n., Levenson, G. n., Woo, K. n., Sonn, G. A., Klein, E. A., Fumo, M. n., Huang, W. n., Jarrard, et al
2019; 11 (1): 168
- **Teaching Urologists "How to Read Multi-Parametric Prostate MRIs Using PIRADSV2": Results of an iBook Pilot Study.** *Urology*
Wang, N. N., Fan, R. E., Ghanouni, P. n., Sonn, G. A.
2019
- **Performance of multiparametric MRI appears better when measured in patients who undergo radical prostatectomy.** *Research and reports in urology*
Wang, N. N., Fan, R. E., Leppert, J. T., Ghanouni, P., Kunder, C. A., Brooks, J. D., Chung, B. I., Sonn, G. A.
2018; 10: 233-235
- **The Research Implications of Prostate Specific Antigen Registry Errors: Data from the Veterans Health Administration** *JOURNAL OF UROLOGY*
Guo, D. P., Thomas, I., Mittakanti, H. R., Shelton, J. B., Makarov, D. V., Skolarus, T. A., Cooperberg, M. R., Sonn, G. A., Chung, B. I., Brooks, J. D., Leppert, J. T.
2018; 200 (3): 541–47
- **Diagnostic Accuracy of Multiparametric Magnetic Resonance Imaging and Fusion Guided Targeted Biopsy Evaluated by Transperineal Template Saturation Prostate Biopsy for the Detection and Characterization of Prostate Cancer** *EDITORIAL COMMENT JOURNAL OF UROLOGY*
Wang, N. N., Sonn, G. A.
2018; 200 (2): 318
- **Gallium 68 PSMA-11 PET/MR Imaging in Patients with Intermediate- or High-Risk Prostate Cancer** *RADIOLOGY*
Park, S., Zacharias, C., Harrison, C., Fan, R. E., Kunder, C., Hatami, N., Giesel, F., Ghanouni, P., Daniel, B., Loening, A. M., Sonn, G. A., Iagaru, A.
2018; 288 (2): 495–505
- **Reduction of Muscle Contractions during Irreversible Electroporation Therapy Using High-Frequency Bursts of Alternating Polarity Pulses: A Laboratory Investigation in an Ex Vivo Swine Model** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
Sano, M. B., Fan, R. E., Cheng, K., Saenz, Y., Sonn, G. A., Hwang, G. L., Xing, L.
2018; 29 (6): 893–98
- **Gallium 68 PSMA-11 PET/MR Imaging in Patients with Intermediate- or High-Risk Prostate Cancer.** *Radiology*
Park, S. Y., Zacharias, C., Harrison, C., Fan, R. E., Kunder, C., Hatami, N., Giesel, F., Ghanouni, P., Daniel, B., Loening, A. M., Sonn, G. A., Iagaru, A.
2018: 172232
- **Editorial Comment.** *The Journal of urology*
Wang, N. N., Sonn, G. A.
2018
- **The Research Implications of PSA Registry Errors: Data from the Veterans Health Administration.** *The Journal of urology*
Guo, D. P., Thomas, I., Mittakanti, H. R., Shelton, J. B., Makarov, D. V., Skolarus, T. A., Cooperberg, M. R., Sonn, G. A., Chung, B. I., Brooks, J. D., Leppert, J. T.

2018

- **The impact of computed high b-value images on the diagnostic accuracy of DWI for prostate cancer: A receiver operating characteristics analysis.** *Scientific reports*
Ning, P. n., Shi, D. n., Sonn, G. A., Vasanaawala, S. S., Loening, A. M., Ghanouni, P. n., Obara, P. n., Shin, L. K., Fan, R. E., Hargreaves, B. A., Daniel, B. L.
2018; 8 (1): 3409
- **EDITORIAL COMMENTS** *JOURNAL OF UROLOGY*
Sonn, G.
2018; 199 (1): 104–5
- **Performance of multiparametric MRI appears better when measured in patients who undergo radical prostatectomy** *RESEARCH AND REPORTS IN UROLOGY*
Wang, N. N., Fan, R. E., Leppert, J. T., Ghanouni, P., Kunder, C. A., Brooks, J. D., Chung, B., Sonn, G. A.
2018; 10: 233–35
- **Reduction of Muscle Contractions during Irreversible Electroporation Therapy Using High-Frequency Bursts of Alternating Polarity Pulses: A Laboratory Investigation in an ExVivo Swine Model.** *Journal of vascular and interventional radiology : JVIR*
Sano, M. B., Fan, R. E., Cheng, K., Saenz, Y., Sonn, G. A., Hwang, G. L., Xing, L.
2018; 29 (6): 893
- **Ga-68 PSMA 11 PET/MRI in Patients with Newly Diagnosed Intermediate and High-Risk Prostate Cancers**
Zacharias, C., Harrison, C., Ghanouni, P., Sonn, G., Iagaru, A.
SOC NUCLEAR MEDICINE INC.2017
- **Mass spectrometric imaging of prostate biopsy samples: Cancer margin assessment from the distribution of small metabolites and lipids**
Banerjee, S., Zare, R. N., Tibshirani, R., Kunder, C., Nolley, R., Fan, R., Brooks, J. D., Sonn, G.
AMER CHEMICAL SOC.2017
- **Diagnosis of prostate cancer by desorption electrospray ionization mass spectrometric imaging of small metabolites and lipids** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Banerjee, S., Zare, R. N., Tibshirani, R. J., Kunder, C. A., Nolley, R., Fan, R., Brooks, J. D., Sonn, G. A.
2017; 114 (13): 3334-3339
- **Contemporary Use of Partial Nephrectomy: Are Older Patients With Impaired Kidney Function Being Left Behind?** *UROLOGY*
Leppert, J. T., Mittakanti, H. R., Thomas, I., Lamberts, R. W., Sonn, G. A., Chung, B. I., Skinner, E. C., Wagner, T. H., Chertow, G. M., Brooks, J. D.
2017; 100: 65-71
- **Commentary regarding a recent collaborative consensus statement addressing prostate MRI and MRI-targeted biopsy in patients with a prior negative prostate biopsy** *ABDOMINAL RADIOLOGY*
Verma, S., Rosenkrantz, A. B., Choyke, P., Eberhardt, S. C., Eggener, S. E., Gaitonde, K., Haider, M. A., Margolis, D. J., Marks, L. S., Pinto, P., Sonn, G. A., Taneja, S. S.
2017; 42 (2): 346–49
- **Incident CKD after Radical or Partial Nephrectomy.** *Journal of the American Society of Nephrology : JASN*
Leppert, J. T., Lamberts, R. W., Thomas, I. C., Chung, B. I., Sonn, G. A., Skinner, E. C., Wagner, T. H., Chertow, G. M., Brooks, J. D.
2017
- **Prostate Magnetic Resonance Imaging Interpretation Varies Substantially Across Radiologists.** *European urology focus*
Sonn, G. A., Fan, R. E., Ghanouni, P. n., Wang, N. N., Brooks, J. D., Loening, A. M., Daniel, B. L., To'o, K. J., Thong, A. E., Leppert, J. T.
2017
- **Contemporary Use of Partial Nephrectomy: Are Older Patients With Impaired Kidney Function Being Left Behind?** *Urology*
Leppert, J. T., Mittakanti, H. R., Thomas, I., Lamberts, R. W., Sonn, G. A., Chung, B. I., Skinner, E. C., Wagner, T. H., Chertow, G. M., Brooks, J. D.
2016
- **Production of Spherical Ablations Using Nonthermal Irreversible Electroporation: A Laboratory Investigation Using a Single Electrode and Grounding Pad.** *Journal of vascular and interventional radiology*
Sano, M. B., Fan, R. E., Hwang, G. L., Sonn, G. A., Xing, L.
2016; 27 (9): 1432-1440 e3

- **Prostate Magnetic Resonance Imaging and Magnetic Resonance Imaging Targeted Biopsy in Patients with a Prior Negative Biopsy: A Consensus Statement by AUA and SAR.** *journal of urology*
Rosenkrantz, A. B., Verma, S., Choyke, P., Eberhardt, S. C., Eggener, S. E., Gaitonde, K., Haider, M. A., Margolis, D. J., Marks, L. S., Pinto, P., Sonn, G. A., Taneja, S. S.
2016
- **Prostate Cancer Early Detection, Version 2.2016** *JOURNAL OF THE NATIONAL COMPREHENSIVE CANCER NETWORK*
Carroll, P. R., Parsons, J. K., Andriole, G., Bahnson, R. R., Castle, E. P., Catalona, W. J., Dahl, D. M., Davis, J. W., Epstein, J. I., Etzioni, R. B., Farrington, T., Hemstreet, G. P., Kawachi, et al
2016; 14 (5): 509-519
- **NCCN Guidelines Insights: Prostate Cancer Early Detection, Version 2.2016.** *Journal of the National Comprehensive Cancer Network*
Carroll, P. R., Parsons, J. K., Andriole, G., Bahnson, R. R., Castle, E. P., Catalona, W. J., Dahl, D. M., Davis, J. W., Epstein, J. I., Etzioni, R. B., Farrington, T., Hemstreet, G. P., Kawachi, et al
2016; 14 (5): 509-519
- **PROSTATE CANCER YIELD IN MRI LESIONS VARIES ACROSS RADIOLOGISTS**
Sonn, G., Fan, R., Li, S., Ghanouni, P., Loening, A., Daniel, B., To'o, K., Gill, H., Chung, B., Brooks, J.
ELSEVIER SCIENCE INC.2016: E42
- **Accuracy of Prostate-Specific Antigen Values in Prostate Cancer Registries.** *Journal of clinical oncology : official journal of the American Society of Clinical Oncology*
Mittakanti, H. R., Thomas, I. C., Shelton, J. B., Makarov, D. V., Skolarus, T. A., Cooperberg, M. R., Chung, B. I., Sonn, G. A., Brooks, J. D., Leppert, J. T.
2016
- **Prostate Cancer Early Detection, Version 2.2015 Clinical Practice Guidelines in Oncology** *JOURNAL OF THE NATIONAL COMPREHENSIVE CANCER NETWORK*
Carroll, P. R., Parsons, J. K., Andriole, G., Bahnson, R. R., Barocas, D. A., Castle, E. P., Catalona, W. J., Dahl, D. M., Davis, J. W., Epstein, J. I., Etzioni, R. B., Farrington, T., Hemstreet, et al
2015; 13 (12): 1534-1561
- **Gleason 6 Prostate Cancer: Translating Biology into Population Health** *JOURNAL OF UROLOGY*
Eggener, S. E., Badani, K., Barocas, D. A., Barrisford, G. W., Cheng, J., Chin, A. I., Corcoran, A., Epstein, J. I., George, A. K., Gupta, G. N., Hayn, M. H., Kauffman, E. C., Lane, et al
2015; 194 (3): 626-634
- **Magnetic Resonance Imaging-Ultrasound Fusion Biopsy for Prediction of Final Prostate Pathology** *JOURNAL OF UROLOGY*
Le, J. D., Stephenson, S., Brugger, M., Lu, D. Y., Lieu, P., Sonn, G. A., Natarajan, S., Dorey, F. J., Huang, J., Margolis, D. J., Reiter, R. E., Marks, L. S.
2014; 192 (5): 1367-1373
- **Magnetic resonance imaging-ultrasound fusion biopsy for prediction of final prostate pathology.** *journal of urology*
Le, J. D., Stephenson, S., Brugger, M., Lu, D. Y., Lieu, P., Sonn, G. A., Natarajan, S., Dorey, F. J., Huang, J., Margolis, D. J., Reiter, R. E., Marks, L. S.
2014; 192 (5): 1367-1373
- **Initial experience with electronic tracking of specific tumor sites in men undergoing active surveillance of prostate cancer** *UROLOGIC ONCOLOGY-SEMINARS AND ORIGINAL INVESTIGATIONS*
Sonn, G. A., Filson, C. P., Chang, E., Natarajan, S., Margolis, D. J., Macairan, M., Lieu, P., Huang, J., Dorey, F. J., Reiter, R. E., Marks, L. S.
2014; 32 (7): 952-957
- **Initial experience with electronic tracking of specific tumor sites in men undergoing active surveillance of prostate cancer.** *Urologic oncology*
Sonn, G. A., Filson, C. P., Chang, E., Natarajan, S., Margolis, D. J., Macairan, M., Lieu, P., Huang, J., Dorey, F. J., Reiter, R. E., Marks, L. S.
2014; 32 (7): 952-957
- **Target detection: magnetic resonance imaging-ultrasound fusion-guided prostate biopsy.** *Urologic oncology*
Sonn, G. A., Margolis, D. J., Marks, L. S.
2014; 32 (6): 903-911

- **Target detection: Magnetic resonance imaging-ultrasound fusion-guided prostate biopsy** *UROLOGIC ONCOLOGY-SEMINARS AND ORIGINAL INVESTIGATIONS*
Sonn, G. A., Margolis, D. J., Marks, L. S.
2014; 32 (6): 903-911
- **Targeted Prostate Biopsy to Select Men for Active Surveillance: Do the Epstein Criteria Still Apply?** *The Journal of urology*
Hu, J. C., Chang, E., Natarajan, S., Margolis, D. J., Macairan, M., Lieu, P., Huang, J., Sonn, G., Dorey, F. J., Marks, L. S.
2014
- **The role of magnetic resonance imaging in delineating clinically significant prostate cancer.** *Urology*
Chamie, K., Sonn, G. A., Finley, D. S., Tan, N., Margolis, D. J., Raman, S. S., Natarajan, S., Huang, J., Reiter, R. E.
2014; 83 (2): 369-75
- **Deletions of chromosomes 3p and 14q molecularly subclassify clear cell renal cell carcinoma** *CANCER*
Kroeger, N., Klatte, T., Chamie, K., Rao, P. N., Birkhaeuser, F. D., Sonn, G. A., Riss, J., Kabbinavar, F. F., Beldegrun, A. S., Pantuck, A. J.
2013; 119 (8): 1547-1554
- **Targeted Biopsy in the Detection of Prostate Cancer Using an Office Based Magnetic Resonance Ultrasound Fusion Device** *JOURNAL OF UROLOGY*
Sonn, G. A., Natarajan, S., Margolis, D. J., Macairan, M., Lieu, P., Huang, J., Dorey, F. J., Marks, L. S.
2013; 189 (1): 86-91
- **Differing Perceptions of Quality of Life in Patients With Prostate Cancer and Their Doctors** *JOURNAL OF UROLOGY*
Sonn, G. A., Sadetsky, N., Presti, J. C., Litwin, M. S.
2013; 189 (1): S59-S65
- **Gain of chromosome 8q is associated with metastases and poor survival of patients with clear cell renal cell carcinoma.** *Cancer*
Klatte, T., Kroeger, N., Rampersaud, E. N., Birkhäuser, F. D., Logan, J. E., Sonn, G., Riss, J., Rao, P. N., Kabbinavar, F. F., Beldegrun, A. S., Pantuck, A. J.
2012; 118 (23): 5777-5782
- **VALUE OF TARGETED BIOPSY IN DETECTING PROSTATE CANCER USING AN OFFICE-BASED MR-US FUSION DEVICE** *Annual Meeting of the American-Urological-Association (AUA)*
Sonn, G. A., Natarajan, S., Margolis, D., Macairan, M., Lieu, P., Huang, J., Dorey, F. J., Marks, L. S.
ELSEVIER SCIENCE INC.2012: E829-E829
- **Systemic therapy for metastatic renal cell carcinoma: a review and update.** *Reviews in urology*
Logan, J. E., Rampersaud, E. N., Sonn, G. A., Chamie, K., Beldegrun, A. S., Pantuck, A. J., Slamon, D. J., Kabbinavar, F. F.
2012; 14 (3-4): 65-78
- **Dynamic Real-time Microscopy of the Urinary Tract Using Confocal Laser Endomicroscopy** *UROLOGY*
Wu, K., Liu, J., Adams, W., Sonn, G. A., Mach, K. E., Pan, Y., Beck, A. H., Jensen, K. C., Liao, J. C.
2011; 78 (1): 225-231
- **Electrochemical immunosensor detection of urinary lactoferrin in clinical samples for urinary tract infection diagnosis** *BIOSENSORS & BIOELECTRONICS*
Pan, Y., Sonn, G. A., Sin, M. L., Mach, K. E., Shih, M., Gau, V., Wong, P. K., Liao, J. C.
2010; 26 (2): 649-654
- **DYNAMIC REAL TIME MICROSCOPY OF THE URINARY TRACT: AN IMAGING ATLAS BASED ON CONFOCAL LASER ENDOMICROSCOPY**
Adams, W., Wu, K., Sonn, G., Jensen, K., Liao, J. C.
MARY ANN LIEBERT INC.2010: A278-A278
- **IS SURVEILLANCE FOR STAGE I SEMINOMA TRULY A LOW RISK OPTION?: ESTIMATING IMAGING RELATED RADIATION EXPOSURE AND THE RISK OF SECONDARY MALIGNANCY**
Tarin, T., Sonn, G., Shinghal, R.
ELSEVIER SCIENCE INC.2010: E325-E326
- **Differing Perceptions of Quality of Life in Patients With Prostate Cancer and Their Doctors** *JOURNAL OF UROLOGY*
Sonn, G. A., Sadetsky, N., Presti, J. C., Litwin, M. S.

2009; 182 (5): 2296-2302

- **Optical Biopsy of Human Bladder Neoplasia With In Vivo Confocal Laser Endomicroscopy** *JOURNAL OF UROLOGY*
Sonn, G. A., Jones, S. E., Tarin, T. V., Du, C. B., Mach, K. E., Jensen, K. C., Liao, J. C.
2009; 182 (4): 1299-1305
- **OPTICAL BIOPSY OF HUMAN BLADDER NEOPLASIA WITH IN VIVO CONFOCAL LASER ENDOMICROSCOPY** *104th Annual Meeting of the American-Urological-Association*
Sonn, G. A., Jones, S., Mach, K. E., Du, C. B., Jensen, K., Liao, J. C.
ELSEVIER SCIENCE INC.2009: 414–15
- **Fibered Confocal Microscopy of Bladder Tumors: An ex Vivo Study** *JOURNAL OF ENDOUROLOGY*
Sonn, G. A., Mach, K. E., Jensen, K., Hsiung, P., Jones, S., Contag, C. H., Wang, T. D., Liao, J. C.
2009; 23 (2): 197-201
- **Estimating the Risk of Cancer Associated With Imaging Related Radiation During Surveillance for Stage I Testicular Cancer Using Computerized Tomography** *JOURNAL OF UROLOGY*
Tarin, T. V., Sonn, G., Shinghal, R.
2009; 181 (2): 627-632
- **Management of Wilms tumor: current standard of care** *NATURE CLINICAL PRACTICE UROLOGY*
Sonn, G., Shortliffe, L. M.
2008; 5 (10): 551-560
- **Spirituality influences health related quality of life in men with prostate cancer** *PSYCHO-ONCOLOGY*
Krupski, T. L., Kwan, L., Fink, A., Sonn, G. A., Maliski, S., Litwin, M. S.
2006; 15 (2): 121-131
- **Impact of diet on prostate cancer: a review** *PROSTATE CANCER AND PROSTATIC DISEASES*
Sonn, G. A., Aronson, W., Litwin, M. S.
2005; 8 (4): 304-310
- **Ethnic variation in health-related quality of life among low-income men with prostate cancer** *ETHNICITY & DISEASE*
Krupski, T. L., Sonn, G., Kwan, L., Maliski, S., Fink, A., Litwin, M. S.
2005; 15 (3): 461-468