Stanford



Geoffrey Sonn

Cortlandt T. Hill Memorial Professor and Professor, by courtesy, of Radiology (Body MRI)

Urology

Curriculum Vitae available Online

CLINICAL OFFICE (PRIMARY)

- **Uro-Oncology Clinic**

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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

- Professor-Univ Med Line, Urology
- Professor-Univ Med 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, Recruiting
- A Comparison of TULSA Procedure vs. Radical Prostatectomy in Participants With Localized Prostate Cancer, Not Recruiting
- A Pilot Trial Using BR55 Ultrasound Contrast Agent in the Assessment of Prostate Cancer, Not Recruiting
- Continued Access of Focal MR-Guided Focused Ultrasound for Localized Intermediate Risk Prostate Lesions, Not Recruiting
- Focal MR-Guided Focused Ultrasound Treatment of Localized Intermediate Risk Prostate Lesions, Not Recruiting
- Photoacoustic Imaging (PAI) of the Prostate: A Clinical Feasibility Study, Not Recruiting
- Predicting Location and Extent of Prostate Cancer Using Micro-Ultrasound Imaging, Not Recruiting
- Standard Systemic Therapy With or Without Definitive Treatment in Treating Participants With Metastatic Prostate Cancer, Not Recruiting

Teaching

STANFORD ADVISEES

Med Scholar Project Advisor

Elijah Sommer

Postdoctoral Faculty Sponsor

Tanmoy Sarkar Pias, Sourya Sengupta

Publications

PUBLICATIONS

- **An artificial intelligence model combining MRI and ultrasound images (MRUSuNet) for prostate cancer detection outperforms radiologist MRI interpretation.** *BJU international*
  Jahanandish, H., Sang, S., Li, C. X., Vesal, S., Bhattacharya, I., Lee, J. H., Venkataraman, R., Fan, R. E., Sonn, G. A., Rusu, M.
  2026
- **MUSegNet: Automated detection of clinically significant prostate cancer on micro-ultrasound.** *Prostate cancer and prostatic diseases*
  Rusu, M., Zhou, S. R., Zhang, L., Choi, M. H., Vesal, S., Kinnaird, A. S., Brisbane, W. G., Lughezzani, G., Maffei, D., Fasulo, V., Albers, P., El-Kaffas, A., Shao, et al
  2026
- **Diagnostic Accuracy of Bosniak v2019 for Predicting Cancer and Unfavorable Histology in Class III-IV Cystic Renal Masses.** *Radiology*
  Tse, J. R., Khalatbari, S., Yosef, M., Abitbol, C., Abou Elkassem, A. M., Albayrak, E., Baroni, R. H., Bhayana, R., Cao, J. J., Coelho, F. M., Houshmand, S., Kamaya, A., Krajewski, et al
  2026; 320 (3): e252603
- **Comparison and interpretability of machine learning algorithms to predict survival of patients with prostate cancer.** *Urologic oncology*
  Kim, I. E., Meier-Scherling, C. P., Zhou, S. R., Soerensen, S. J., Ajjawi, I., Chung, B. I., Shkolyar, E., Sonn, G. A., Liao, J. C., Leapman, M. S.
  2026
- **End to end AI system for surgical gesture sequence recognition and clinical outcome prediction.** *NPJ digital medicine*
  Li, X., Matsumoto, N., Pasupulety, U., Deo, A., Yang, C., Moran, J., Hernandez, M. E., Wager, P., Lin, J., Kim, J., Goh, A. C., Wagner, C., Sonn, et al
  2026
- **Enhancing foundation model transfer for prostate cancer detection with patch-level contrastive learning.** *NPJ digital medicine*
  Lee, J. H., Li, C. X., Jahanandish, H., Bhattacharya, I., Vesal, S., Song, Y., Zhang, L., Sang, S., Choi, M. H., Soerensen, S. J., Zhou, S. R., Sommer, E. R., Seibert, et al

2026

- **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
- **AI model predicts patient outcomes from surgical gestures and provides insights into explainability.** *npj digital surgery*
  Heard, J. R., Deo, A., Ghaffar, U., Ma, R., Yang, C., Pasupulety, U., Lin, J., Prentice, C. M., Kim, H. L., Assel, M., Wagner, C., Sonn, G. A., Goh, et al
  2026; 1 (1): 4
- **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*
  Ghezzo, 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: 101097JU0000000000004299

- **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., Bhambhvani, 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., Ghezzo, 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., Morisetty, 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*
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