


Stanford



Hersh Sagreiya

Clinical Instructor, Radiology

 NIH Biosketch available Online

Bio

ACADEMIC APPOINTMENTS

- Clinical Instructor, Radiology

HONORS AND AWARDS

- Research Training Fellowship, HHMI (2009-10)
- Student Travel Award, RSNA (2017)
- Cancer Imaging Training Program, Stanford (2017-18)
- Fellow Grant, RSNA (2017-19)
- Collaborative Research Grant, Stanford Society of Physician Scholars (2018)
- GPU Grant, NVIDIA (2018)
- Power Science Magna Cum Laude Award, Society of Abdominal Radiology (2018)

PROFESSIONAL EDUCATION

- Board Certification, American Board of Radiology , Diagnostic Radiology (2018)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My current two greatest areas of interest are medical imaging informatics and molecular imaging. As part of an RSNA Fellow grant, I will use machine learning and texture analysis to develop a quantitative tool for the early detection of ovarian cancer using BR55, a novel molecular imaging agent that targets sites of neoangiogenesis. I am interested in additional opportunities to apply deep learning techniques, as well as correlating radiologic and pathologic data.

Publications

PUBLICATIONS

- **Effect of CYP4F2, VKORC1, and CYP2C9 in Influencing Coumarin Dose: A Single-Patient Data Meta-Analysis in More Than 15,000 Individuals** *CLINICAL PHARMACOLOGY & THERAPEUTICS*
Danese, E., Raimondi, S., Montagnana, M., Tagetti, A., Langae, T., Borgiani, P., Ciccacci, C., Carcas, A. J., Borobia, A. M., Tong, H. Y., Davila-Fajardo, C., Botton, M., Bourgeois, et al
2019; 105 (6): 1477–91
- **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

- **Automatic inference of BI-RADS final assessment categories from narrative mammography report findings** *Journal of Biomedical Informatics*
Banerjee, I., Bozkurt, S., Alkim, E., Sagreiya, H., Kurian, A. W., Rubin, D. L.
2019
- **Automatic Inference of BI-RADS Final Assessment Categories from Narrative Mammography Report Findings.** *Journal of biomedical informatics*
Banerjee, I., Bozkurt, S., Alkim, E., Sagreiya, H., Kurian, A. W., Rubin, D. L.
2019: 103137
- **A Multi-Model Framework to Estimate Perfusion Parameters Using Contrast-Enhanced Ultrasound Imaging.** *Medical physics*
Akhbardeh, A., Sagreiya, H., El Kaffas, A., Willmann, J. K., Rubin, D. L.
2018
- **The effect of CYP4F2, VKORC1 and CYP2C9 in influencing coumarin dose. A single patient data meta-analysis in more than 15,000 individuals.** *Clinical pharmacology and therapeutics*
Danese, E., Raimondi, S., Montagnana, M., Tagetti, A., Langae, T., Borgiani, P., Ciccacci, C., Carcas, A. J., Borobia, A. M., Tong, H. Y., Davila-Fajardo, C., Botton, M. R., Bourgeois, et al
2018
- **A radiogenomic analysis of hepatocellular carcinoma: association between fractional allelic imbalance rate index and the liver imaging reporting and data system (LI-RADS) categories and features.** *The British journal of radiology*
Furlan, A., Almusa, O., Yu, R. K., Sagreiya, H., Borhani, A. A., Bae, K. T., Marsh, J. W.
2018: 20170962
- **Differences in Antipsychotic-Related Adverse Events in Adult, Pediatric, and Geriatric Populations.** *Cureus*
Sagreiya, H., Chen, Y., Kumarasamy, N. A., Ponnusamy, K., Chen, D., Das, A. K.
2017; 9 (2)
- **Genetic variants associated with warfarin dose in African-American individuals: a genome-wide association study.** *Lancet*
Perera, M. A., Cavallari, L. H., Limdi, N. A., Gamazon, E. R., Konkashbaev, A., Daneshjou, R., Pluzhnikov, A., Crawford, D. C., Wang, J., Liu, N., Tatonetti, N., Bourgeois, S., Takahashi, et al
2013; 382 (9894): 790-796
- **Pathway analysis of genome-wide data improves warfarin dose prediction** *BMC GENOMICS*
Daneshjou, R., Tatonetti, N. P., Karczewski, K. J., Sagreiya, H., Bourgeois, S., Drozda, K., Burmester, J. K., Tsunoda, T., Nakamura, Y., Kubo, M., Tector, M., Limdi, N. A., Cavallari, et al
2013; 14
- **Pathway analysis of genome-wide data improves warfarin dose prediction.** *BMC genomics*
Daneshjou, R., Tatonetti, N. P., Karczewski, K. J., Sagreiya, H., Bourgeois, S., Drozda, K., Burmester, J. K., Tsunoda, T., Nakamura, Y., Kubo, M., Tector, M., Limdi, N. A., Cavallari, et al
2013; 14: S11-?
- **Impact of the CYP4F2 p.V433M Polymorphism on Coumarin Dose Requirement: Systematic Review and Meta-Analysis** *CLINICAL PHARMACOLOGY & THERAPEUTICS*
Danese, E., Montagnana, M., Johnson, J. A., Rettie, A. E., Zambon, C. F., Lubitz, S. A., Suarez-Kurtz, G., Cavallari, L. H., Zhao, L., Huang, M., Nakamura, Y., Mushiroda, T., Kringen, et al
2012; 92 (6): 746-756
- **An integrative method for scoring candidate genes from association studies: application to warfarin dosing** *AMIA Summit on Translational Bioinformatics*
Tatonetti, N. P., Dudley, J. T., Sagreiya, H., Butte, A. J., Altman, R. B.
BIOMED CENTRAL LTD.2010
- **VKORC1 Pharmacogenomics Summary** *PHARMACOGENETICS AND GENOMICS*
Owen, R. P., Gong, L., Sagreiya, H., Klein, T. E., Altman, R. B.
2010; 20 (10): 642-644
- **The utility of general purpose versus specialty clinical databases for research: Warfarin dose estimation from extracted clinical variables** *JOURNAL OF BIOMEDICAL INFORMATICS*
Sagreiya, H., Altman, R. B.
2010; 43 (5): 747-751

- **Extending and evaluating a warfarin dosing algorithm that includes CYP4F2 and pooled rare variants of CYP2C9** *PHARMACOGENETICS AND GENOMICS*
Sagreiya, H., Berube, C., Wen, A., Ramakrishnan, R., Mir, A., Hamilton, A., Altman, R. B.
2010; 20 (7): 407-413
- **Warfarin pharmacogenetics: a single VKORC1 polymorphism is predictive of dose across 3 racial groups** *BLOOD*
Limdi, N. A., Wadelius, M., Cavallari, L., Eriksson, N., Crawford, D. C., Lee, M. M., Chen, C., Motsinger-Reif, A., Sagreiya, H., Liu, N., Wu, A. H., Gage, B. F., Jorgensen, et al
2010; 115 (18): 3827-3834
- **Clinical assessment incorporating a personal genome** *LANCET*
Ashley, E. A., Butte, A. J., Wheeler, M. T., Chen, R., Klein, T. E., Dewey, F. E., Dudley, J. T., Ormond, K. E., Pavlovic, A., Morgan, A. A., Pushkarev, D., Neff, N. F., Hudgins, et al
2010; 375 (9725): 1525-1535
- **Estimation of the Warfarin Dose with Clinical and Pharmacogenetic Data** *NEW ENGLAND JOURNAL OF MEDICINE*
Klein, T. E., Altman, R. B., Eriksson, N., Gage, B. F., Kimmel, S. E., Lee, M. M., Limdi, N. A., Page, D., Roden, D. M., Wagner, M. J., Caldwell, M. D., Johnson, J. A., Chen, et al
2009; 360 (8): 753-764
- **A general framework for dose optimization.** *AMIA ... Annual Symposium proceedings / AMIA Symposium. AMIA Symposium*
Turcott, R. G., Sagreiya, H., Ashley, E. A., Altman, R. B., Das, A. K.
2009; 2009: 656-660
- **The double-anchoring theory of lightness perception: A comment on Bressan (2006)** *PSYCHOLOGICAL REVIEW*
Howe, P. D., Sagreiya, H., Curtis, D. L., Zheng, C., Livingstone, M. S.
2007; 114 (4): 1105-1109
- **Explaining the footsteps, belly dancer, Wenceslas, and kickback illusions** *JOURNAL OF VISION*
Howe, P. D., Thompson, P. G., Anstis, S. M., Sagreiya, H., Livingstone, M. S.
2006; 6 (12): 1396-1405