

**Abdominal Imaging and Intervention
Staff Publications
2018**

1. Abayazid M, Kato T, **Silverman SG**, Hata N. Using a reference needle position sensing as surrogate signal for respiratory motion estimation in percutaneous interventions. *IJCARS* 2018;13(1):125-133.
2. Aguirre AJ, Nowak JA, Camarda ND, Moffitt RA, Ghazani AA, Hazar-Rethinam M, Raghavan S, Kim J, Brais LK, Ragon D, Welch MW, Reilly E, McCabe D, Marini L, Anderka K, Helvie K, Oliver N, Babic A, Da Silva A, Nadres B, Van Seventer EE, Shahzade HA, St Pierre JP, Burke KP, Clancy T, Cleary JM, Doyle LA, Jajoo K, McCleary NJ, Meyerhardt JA, Murphy JE, Ng K, Patel AK, Perez K, Rosenthal MH, Rubinson DA, Ryou M, Shapiro GI, Sicinska E, **Silverman SG**, Nagy RJ, Lanman RB, Knoerzer D, Welsch DJ, Yurgelun MB, Fuchs CS, Garraway LA, Getz G, Hornick JL, Johnson BE, Kulke MH, Mayer RJ, Miller JW, **Shyn PB**, Tuveson DA, Wagle N, Yeh JJ, Hahn WC, Corcoran RB, Carter SL, Wolpin BM. Real-time Genomic Characterization of Advanced Pancreatic Cancer to Enable Precision Medicine. *Cancer Discov* 2018;8(9):1096-1111.
3. Alper EC, Ip IK, Balthazar P, Piazza G, Goldhaber SZ, Benson CB, Lacson R, **Khorasani R**. Risk stratification model: lower-extremity ultrasonography for hospitalized patients with suspected deep vein thrombosis. *J Gen Intern Med*. 2018 Jan;33(1):21-25.
4. Baeeri M, Mohammadi-Nejad S, Rahimifard M, Navaei-Nigjeh M, Moeini-Nodeh S, **Khorasani R**, Abdollahi M. Molecular and biochemical evidence on the protective role of ellagic acid and silybin against oxidative stress-induced cellular aging. *J Gen Intern Med* 2018 Jan;33(1):21-25.
5. Bhagavatula SK, **Shyn PB**. Image-Guided Renal Interventions. *Urol Clin North Am*. 2018 Aug;45(3):351-363.
6. Bhagavatula SK, **Souza D**, Flusberg M, **Silverman SG**, **Shyn PB**. CT and PET/CT guided interventional radiology procedures. In: Urman R, Gross W, Philip B, editors. *Anesthesia Procedures Outside of the Operating Room*. 2nd Ed., Oxford University Press, New York, NY, 2018; doi: 10.1093/med/9780190495756.001.0001.
7. Bhagavatula SK Patel B, **Tuncali K**, **Silverman SG**, **Shyn PB**. MRI and ultrasound-guided percutaneous interventional radiology procedures. In: Urman R, Gross W, Philip B, editors. *Anesthesia Procedures Outside of the Operating Room*. 2nd Ed., Oxford University Press, New York, NY, (in press).
8. Balthazar P, Shinagare AB, Tirumani SH, Jagannathan JP, Ramaiya NH, **Khorasani R**. Gastroenteropancreatic neuroendocrine tumors: impact of

consistent contrast agent selection on radiologists' confidence in hepatic lesion assessment on restaging MRIs. *Abdom Radiol* 2018 Jun;43(6):1386-1392.

9. Caoili EM, Cohan RC, Israel GM, Shah A, Hartman RP, **Silverman SG**. ACR–SAR practice parameter for the performance of excretory urography. *ACR* (in press).
10. Cornud F, Bomers J, Futterer JJ, Ghai S, Reijnen JS, **Tempany C**. MR imaging-guided prostate interventional imaging: Ready for a clinical use? *Diagn Interv Imaging* 2018;99(11):743-753.
11. Corwin MT, Chalfant JS, Loehfelm TW, Fananapazir G, Lambit R, **Mayo-Smith WW**. Incidentally detected bilateral adrenal nodules in patients without cancer: is further workup necessary? *American Journal of Roentgenology*, 2018;210:780-784.
12. Cochon L, Lacson R, Wang A, Kapoor N, Ip IK, Desai S, Kachalia A, Dennerlein J, Benneyan J, **Khorasani R**. Assessing information sources to elucidate diagnostic process errors in radiologic imaging - a human factors framework. *J Am Med Inform Assoc* 2018;25(11):1507-1515
13. Davenport MS, Chandarana H, Curci NE, Doshi A, Kaffenberger S, Pedrosa I, Remer EM, Schieda N, Shinagare AS, Smith AD, Wang J, Wells SA, **Silverman SG**. Society of Abdominal Radiology Disease-Focused Panel on Renal Cell Carcinoma: Update on Past, Current, and Future Goals. *Abdom Radiol* 2018;43:2213-2220.
14. Dibble EH, Binns E, Ellermeier A, March BT, Baird GL, **Mayo-Smith WW**, Movson JS. Automated delivery of clinical follow-up to the radiologist via e-mail: feasibility study of a new information technology algorithm. *AJR Am J Roentgenol* 2018;211(2):400-404.
15. Fedorov A, Schwier M, Clunie D, Herz C, Pieper S, Kikinis R, **Tempany C**, Fennessy F. An annotated test-retest collection of prostate multiparametric MRI. *Sci Data* 2018;Article 5:180281.
16. Frenk NE, Daye D, **Tuncali K**, Arellano RS, **Shyn PB**, **Silverman SG**, Fintelmann FJ, Uppot RN. Local control and survival after image-guided percutaneous ablation of adrenal metastases. *J Vasc Interv Radiol* 2018;29:276-284.
17. Giess CS, Wang A, Ip IK, Lacson R, Pourjabbar S, **Khorasani R**. Patient, radiologist, and examination characteristics affecting screening mammography recall rates in a large academic practice. *J Am Coll Radiol* 2018 Jul 20. pii: S1546-1440.
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19. Glomski SA, Guennette JP, Landman W, **Tatli S**. Acute nonhemorrhagic adrenal infarction: 10-yr MRI incidence and patient outcomes in a single institution. *AJR* 2018;210:785-79.
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21. Hassanzadeh E, Alessandrino F, Olubiyi OI, **Glazer DI**, Mulkern RV, Fedorov A, **Tempany CM**, Fennessy FM. Comparison of quantitative apparent diffusion coefficient parameters with prostate imaging reporting and data system V2 assessment for detection of clinically significant peripheral zone prostate cancer. *Abdom Radiol* 2018: 43:1237-1244.
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23. Hu E, Ellis JH, **Silverman SG**, Cohan RH, Caoili EM, Davenport MS. Expanding the definition of a benign renal cyst on contrast-enhanced CT: Can incidental homogeneous renal masses measuring 21-39 HU be safely ignored? *Acad Radiol* 2018;25(2):209-212.
24. Hu EM, Zhang A, **Silverman SG**, Pedrosa IM, Wang ZJ, Smith AD, Chandarana H, Doshi A, Shinagare A, Remer EM, Hafez K, Miller DC, Davenport MS. Multi-institutional analysis of CT and MRI reports evaluating indeterminate renal masses: comparison to a national survey investigating desired report elements. *Abdom Radiol* 2018;43(12):3493-3502.
25. Jin DX, Lacson R, Cochon LR, Alper EC, McNabb-Baltar J, Banks PA, **Khorasani R**. A clinical model for the early diagnosis of acute pancreatitis in the Emergency Department. *Pancreas*. 2018;47(7):871-879
26. King MT, Nguyen PL, Boldbaatar N, **Tempany CM**, Cormack RA, Beard CJ, Hurwitz MD, Suh WW, D'Amico AV, Orio PF 3rd. Long-term outcomes of partial prostate treatment with magnetic resonance imaging-guided brachytherapy for patients with favorable-risk prostate cancer. *Cancer* 2018;124(17):3528-3535.
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30. **Mayo-Smith WW**. Image Wisely: Reflections of a former co-chair. *J Am Coll Radiol*. 2018;15(7):1055-1057.
31. **Matalon SA**, Howard SA, Gaviola G, Johnson O, Phillips CH, Smith SE, **Mayo-Smith WW**. Residency Leadership Tracks: A Review of What Works, What We're Doing and Ideas for the Future. *Current Problems in Diagnostic Radiology*. 2018. 2018 Nov;47(6):359-363.
32. Mills AM, Ip IK, Langlotz CP, Raja AS, Zafar HM, **Khorasani R**. Clinical decision support increases diagnostic yield of computed tomography for suspected pulmonary embolism. *J Emerg Med*. 2018;36(4):540-544.
33. Moreira P, Patel N, Wartenberg M, Li G, Tuncali K, Heffter T, Burdette EC, Iordachita I, Fischer GS, Hata N, **Tempany CMC**, Tokuda J. Evaluation of robot-assisted MRI-guided prostate biopsy: needle path analysis during clinical trials. *Phys Med Biol* 2018;63(20):20NT02.
34. O'Connor SD, **Khorasani R**, Pochebit SM, Lacson R, Andriole KP, Dalal AK. Semiautomated system for nonurgent, clinically significant pathology results. *Appl Clin Inform*. 2018;9(2):411-421.
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36. O'Donohoe RL, **Dunne RM**, Kimbrell V, **Tempany CM**. Prostate MRI using an external phased array wearable pelvic coil at 3T: comparison with an endorectal coil. *Abdom Radiol (NY)* 2018;44(3):1062-1069.
37. Raja AS, Ip IK, Cochon L, Pourjabbar S, Yun BJ, Schuur JD, **Khorasani R**. Will publishing evidence-based guidelines for low back pain imaging decrease imaging use? *Am J Emerg Med*. 2018 Jul 18. pii: S0735-6757(18)30597-7.
38. Sedaghat F, **Tuncali K**. Enabling technology for MRI-Guided Intervention. *Top Magn Reson Imaging*. 2018 Feb;27(1):5-8.
39. Shinagare AB, Balthazar P, Ip IK, Lacson R, Liu J, Ramaiya N, **Khorasani R**. High-grade serous ovarian cancer: use of machine learning to predict abdominopelvic recurrence on CT on the basis of serial cancer antigen 125 levels. *J Am Coll Radiol*. 2018;15(8):1133-1138.
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41. **Shyn PB.** Is image-guided thermal ablation ready for treatment of stage 1 non-small cell lung cancer? *Radiology* 2018;289(3):871-872.
42. Somarouthu B, Lee SI, Urban T, **Sadow CA**, Harris GJ, Kambadakone A. Immune-related tumour response assessment criteria: a comprehensive review. *Br J Radiol.* 2018 Apr;91(1084):20170457.
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47. Tsang Mui Chung MS, Maxwell AW, Wang LJ, **Mayo-Smith WW**, Dupuy DE. Should renal mass biopsy be performed prior to or concomitantly with thermal ablation? *J Vasc Interv Radiol.* 2018;29(9):1240-1244.
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49. Varada S, Lacson R, Raja AS, Ip IK, Schneider L, Osterbur D, Bain P, Vetrano N, Cellini J, Mita C, Coletti M, Whelan J, **Khorasani R.** Characteristics of knowledge content in a curated online evidence library. *J Am Med Inform Assoc* 2018;25(5):507-514.
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