

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Kemal Tuncali	POSITION TITLE Director, Genitourinary Radiology Service Assistant Director, Cross Sectional Interventional Radiology Instructor of Radiology, Harvard Medical School		
eRA COMMONS USER NAME			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Hacettepe University Medical School, Ankara, Turkey	M.D	1988-1993	Medical School
Marmara University Hospital, Istanbul, Turkey		1993	Radiology Residency
Albert Einstein Medical Center, PA, USA		1997	Radiology Residency
Brigham and Women's Hospital, Boston, MA	Fellow	1998	Interventional Radiology

A. Positions and Honors.

Positions and Employment:

Other Experience and Professional Memberships:

2004-pres. Publication Officer, Medical Image Computing and Computer Assisted Intervention

Honors

2005 Education Minister's Medal of Honor, Government of Japan

B. Selected Peer-Reviewed Publications (in chronological order).

1. Current use of computed tomographic urography: survey of the society of uro-radiology, Townsend BA, Silverman SG, Morteale KJ, Tuncali K, Cohan RH. J Comput Assist Tomogr. 2009 Jan-Feb;33(1):96-100.
2. Percutaneous biopsy of abdominal masses using 25-gauge needles. Erturk SM, Silverman S, Morteale K, Lamba R, Tuncali K, Vansonnenberg E, Cibas E. Abdom Imaging. 2008 Dec 18. [Epub ahead of print]
3. Comparison of percutaneous and surgical approaches to renal tumor ablation: metaanalysis of effectiveness and complication rates.
Hui GC, Tuncali K, Tatli S, Morrison PR, Silverman SG.
J Vasc Interv Radiol. 2008 Sep;19(9):1311-20. Epub 2008 Jul 21.
4. Visceral and soft-tissue tumors: radiofrequency and alcohol ablation for pain relief--initial experience.
Nair RT, vanSonnenberg E, Shankar S, Morrison PR, Gill RR, Tuncali K, Silverman SG.
Radiology. 2008 Sep;248(3):1067-76.
5. Biochemical and hematologic alterations following percutaneous cryoablation of liver tumors: experience in 48 procedures.
Nair RT, Silverman SG, Tuncali K, Obuchowski NA, vanSonnenberg E, Shankar S.
Radiology. 2008 Jul;248(1):303-11.
6. MR imaging-guided interventions in the genitourinary tract: an evolving concept.
Fennessy FM, Tuncali K, Morrison PR, Tempny CM.
Radiol Clin North Am. 2008 Jan;46(1):149-66, vii. Review.
7. MRI-guided cryotherapy.
Morrison PR, Silverman SG, Tuncali K, Tatli S.
J Magn Reson Imaging. 2008 Feb;27(2):410-20. Review.
8. Interventional MRI for oncologic applications.
Tatli S, Morrison PR, Tuncali K, Silverman SG.

Tech Vasc Interv Radiol. 2007 Jun;10(2):159-70. Review.

9. Inflammatory nodules mimic applicator track seeding after percutaneous ablation of renal tumors.

Lokken RP, Gervais DA, Arellano RS, Tuncali K, Morrison PR, Tatli S, Mueller PR, Silverman SG. AJR Am J Roentgenol. 2007 Oct;189(4):845-8.

10. Clonal evolution of resistance to imatinib in patients with metastatic gastrointestinal stromal tumors.

Desai J, Shankar S, Heinrich MC, Fletcher JA, Fletcher CD, Manola J, Morgan JA, Corless CL, George S, Tuncali K, Silverman SG, Van den Abbeele AD, van Sonnenberg E, Demetri GD.

Clin Cancer Res. 2007 Sep 15;13(18 Pt 1):5398-405.

11. Hyperattenuating renal masses: etiologies, pathogenesis, and imaging evaluation.

Silverman SG, Morteale KJ, Tuncali K, Jinzaki M, Cibas ES.

Radiographics. 2007 Jul-Aug;27(4):1131-43. Review.

12. MRI-guided percutaneous cryotherapy for soft-tissue and bone metastases: initial experience.

Tuncali K, Morrison PR, Winalski CS, Carrino JA, Shankar S, Ready JE, vanSonnenberg E, Silverman SG. AJR Am J Roentgenol. 2007 Jul;189(1):232-9.

13. Fine-needle aspiration biopsy of solid pancreatic masses: comparison of CT and endoscopic sonography guidance.

Erturk SM, Mortelé KJ, Tuncali K, Saltzman JR, Lao R, Silverman SG.

AJR Am J Roentgenol. 2006 Dec;187(6):1531-5.

14. Liver metastases: 3D shape-based analysis of CT scans for detection of local recurrence after radiofrequency ablation.

Bricault I, Kikinis R, Morrison PR, Vansonnenberg E, Tuncali K, Silverman SG.

Radiology. 2006 Oct;241(1):243-50. Epub 2006 Aug 23.

15. Multi-detector row CT urography of normal urinary collecting system: furosemide versus saline as adjunct to contrast medium.

Silverman SG, Akbar SA, Morteale KJ, Tuncali K, Bhagwat JG, Seifter JL.

Radiology. 2006 Sep;240(3):749-55.

PMID: 16926326 [PubMed - indexed for MEDLINE]

16. MRI-guided percutaneous cryoablation of renal tumors: use of external manual displacement of adjacent bowel loops.

Tuncali K, Morrison PR, Tatli S, Silverman SG.

Eur J Radiol. 2006 Aug;59(2):198-202. Epub 2006 May 23.

17. Renal masses in the adult patient: the role of percutaneous biopsy.

Silverman SG, Gan YU, Morteale KJ, Tuncali K, Cibas ES.

Radiology. 2006 Jul;240(1):6-22. Epub 2006 May 18. Review.

18. Percutaneous CT-guided radiofrequency ablation of symptomatic bilateral adrenal metastases in a single session.

Lo WK, vansonnenberg E, Shankar S, Morrison PR, Silverman SG, Tuncali K, Rabin M.

J Vasc Interv Radiol. 2006 Jan;17(1):175-9.

19. Practice patterns of nonvascular interventional radiology procedures at academic centers in the United States?

Nikolaidis P, vanSonnenberg E, Haddad ZK, Chen YH, Zou KH, Tuncali K, Silverman SG.

Acad Radiol. 2005 Nov;12(11):1475-82.

20. Radiofrequency ablation of liver tumors: a new cause of benign portal venous gas.

Oei T, vanSonnenberg E, Shankar S, Morrison PR, Tuncali K, Silverman SG.

Radiology. 2005 Nov;237(2):709-17.

PMID: 16244279 [PubMed - indexed for MEDLINE]

21. MR Imaging-guided percutaneous tumor ablation.

Silverman SG, Tuncali K, Morrison PR.

Acad Radiol. 2005 Sep;12(9):1100-9. Review.

22. Brachial plexus injury from CT-guided RF ablation under general anesthesia.

Shankar S, Vansonnenberg E, Silverman SG, Tuncali K, Flanagan HL Jr, Whang EE. Cardiovasc Intervent Radiol. 2005 Sep-Oct;28(5):646-8.

23. Renal tumors: MR imaging-guided percutaneous cryotherapy--initial experience in 23 patients. Silverman SG, Tuncali K, vanSonnenberg E, Morrison PR, Shankar S, Ramaiya N, Richie JP. Radiology. 2005 Aug;236(2):716-24.

24. Interventional radiology strategies in the treatment of pseudomyxoma peritonei. vanSonnenberg E, Goodacre BW, Wittich GR, Ali S, Silverman SG, Shankar S, Tuncali K. Cardiovasc Intervent Radiol. 2005 Jul-Aug;28(4):490-4.

25. Three-dimensional assessment of MR imaging-guided percutaneous cryotherapy using multi-performer repeated segmentations: the value of supervised learning. Zou KH, Tuncali K, Warfield SK, Zentai CP, Worku D, Morrison PR, Silverman SG. Acad Radiol. 2005 Apr;12(4):444-50.

26. Telomerase activity predicts malignancy in percutaneous image-guided needle biopsy specimens of the abdomen and pelvis. Kundra V, Krane JF, Nikolaidis P, Green DS, Zou KH, Tuncali K, Vansonnenberg E, Silverman SG. Radiology. 2005 Mar;234(3):941-7.

27. Radiofrequency ablation of thoracic lesions: part 2, initial clinical experience--technical and multidisciplinary considerations in 30 patients. VanSonnenberg E, Shankar S, Morrison PR, Nair RT, Silverman SG, Jaklitsch MT, Liu F, Cheung L, Tuncali K, Skarin AT, Sugarbaker DJ. AJR Am J Roentgenol. 2005 Feb;184(2):381-90.

28. Radiofrequency ablation of thoracic lesions: part 1, experiments in the normal porcine thorax. Morrison PR, vanSonnenberg E, Shankar S, Godleski J, Silverman SG, Tuncali K, Jaklitsch MT, Jolesz FA. AJR Am J Roentgenol. 2005 Feb;184(2):375-80.

29. Imaging and percutaneous management of acute complicated pancreatitis. Shankar S, vanSonnenberg E, Silverman SG, Tuncali K, Banks PA. Cardiovasc Intervent Radiol. 2004 Nov-Dec;27(6):567-80. Epub 2004 Aug 12. Review.

30. Combined radiofrequency and alcohol injection for percutaneous hepatic tumor ablation. Shankar S, vanSonnenberg E, Morrison PR, Tuncali K, Silverman SG. AJR Am J Roentgenol. 2004 Nov;183(5):1425-9.

31. Liposarcoma subtypes: identification with computed tomography and ultrasound-guided percutaneous needle biopsy. Nikolaidis P, Silverman SG, Cibas ES, Vansonnenberg E, Rybicki FJ, Manola JB, Tuncali K, Karshbaum SH, Singer S, Fletcher CD, Demetri GD. Eur Radiol. 2005 Feb;15(2):383-9. Epub 2004 Oct 6.

32. Three-dimensional assessment of MRI-guided percutaneous cryotherapy of liver metastases. Silverman SG, Sun MR, Tuncali K, Morrison PR, vanSonnenberg E, Shankar S, Zou KH, Warfield SK. AJR Am J Roentgenol. 2004 Sep;183(3):707-12.

33. Evaluation of patients referred for percutaneous ablation of renal tumors: importance of a preprocedural diagnosis. Tuncali K, vanSonnenberg E, Shankar S, Morteale KJ, Cibas ES, Silverman SG. AJR Am J Roentgenol. 2004 Sep;183(3):575-82.

34. Late genitourinary and gastrointestinal toxicity after magnetic resonance image-guided prostate brachytherapy with or without neoadjuvant external beam radiation therapy. Albert M, Tempany CM, Schultz D, Chen MH, Cormack RA, Kumar S, Hurwitz MD, Beard C, Tuncali K, O'Leary M, Topulos GP, Valentine K, Lopes L, Kanan A, Kacher D, Rosato J, Kooy H, Jolesz F, Carr-Locke DL, Richie JP, D'Amico AV. Cancer. 2003 Sep 1;98(5):949-54.

35. Diagnosis and treatment of intrahepatic biloma complicating radiofrequency ablation of hepatic metastases. Shankar S, vanSonnenberg E, Silverman SG, Tuncali K, Morrison PR. AJR Am J Roentgenol. 2003 Aug;181(2):475-7. No abstract available.
36. Correlation and simple linear regression. Zou KH, Tuncali K, Silverman SG. Radiology. 2003 Jun;227(3):617-22. Review.
37. Management of pneumothorax during percutaneous radiofrequency ablation of a lung tumor: technical note. Shankar S, vanSonnenberg E, Silverman SG, Tuncali K, Morrison PR. J Thorac Imaging. 2003 Apr;18(2):106-9.
38. Interventional radiology procedures in the liver. Biopsy, drainage, and ablation. Shankar S, van Sonnenberg E, Silverman SG, Tuncali K. Clin Liver Dis. 2002 Feb;6(1):91-118. Review.
39. Myoglobinemia after CT-guided radiofrequency ablation of a hepatic metastasis. Shankar S, Tuncali K, vanSonnenberg E, Seifter JL, Silverman SG. AJR Am J Roentgenol. 2002 Feb;178(2):359-61. No abstract available.

C. Research Support

Ongoing Research Support

Completed Research Support