

**Memorial Sloan Kettering Cancer Center (MSK)  
and Weill Cornell Medicine (WCM) Curriculum Vitae**

Name: Stephen Barnett Solomon, M.D.

**A. PERSONAL DATA**

Office address:	1275 York Avenue, New York, NY 10065
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**B. EDUCATION**

**Academic Degree(s)** (*Bachelor's and higher*)

Degree (include field of study)	Institution name & Location
B.A.	Harvard College Cambridge, MA
M.D.	Yale School of Medicine New Haven, CT

**Other Education Experiences**

Description	Institution Name & Location	Dates attended (mm/yy - mm/yy)
Business of Medicine	Johns Hopkins Continuing Studies	2004

**C. POSTDOCTORAL TRAINING** (*Include residency/fellowships*)

Title (include area of training)	Institution name & Location
Intern, Internal Medicine	Yale-New Haven Hospital New Haven, CT
Resident, Radiology	Johns Hopkins Hospital Baltimore, MD
Fellow, Interventional Radiology	New York Presbyterian Hospital Weill Cornell Medical Center New York, NY

**D. PROFESSIONAL POSITIONS & EMPLOYMENT**

**Academic Appointments** (*Teaching and research, for MSK faculty, this includes appointments at MSK—i.e. with the word “Member” and WCM—i.e. Instructor and appointments with the word “Professor”*).

Title	Institution, city and state
Instructor	Johns Hopkins Hospital University Departments of Radiology and Urology

<b>Title</b>	<b>Institution, city and state</b>
	Baltimore, MD
Assistant Professor	Johns Hopkins Hospital University Departments of Radiology and Urology Baltimore, MD
Assistant Professor- Part Time (Adjunct)	Johns Hopkins Hospital University Departments of Radiology and Urology Baltimore, MD
Associate Member, MH	Memorial Sloan Kettering Cancer Center Department of Radiology New York, NY
Assistant Professor of Radiology	Weill Medical College-Cornell University Department of Radiology New York, NY
Associate Professor of Radiology	Weill Medical College-Cornell University Department of Radiology New York, NY
Member, MH	Memorial Sloan Kettering Cancer Center Department of Radiology New York, NY
Professor of Radiology	Weill Medical College-Cornell University Department of Radiology New York, NY

Hospital Appointments (This includes appointments at Memorial Hospital for Cancer and Allied Diseases including Instructor and those with the word "Attending" as well as other current or prior hospital appointments)

<b>Title</b>	<b>Institution, city and state</b>
Assistant Attending Physician	Johns Hopkins Hospital Department of Radiology Baltimore, MD
Associate Attending Radiologist	Memorial Hospital for Cancer and Allied Diseases Department of Radiology New York, NY
Assistant Attending Radiologist	New York Presbyterian Hospital New York, NY
Associate Attending Radiologist	New York Presbyterian Hospital New York, NY
Chief of Interventional Radiology Service	Memorial Hospital for Cancer and Allied Diseases Department of Radiology

Title	Institution, city and state
	New York, NY
Attending Radiologist	Memorial Hospital for Cancer and Allied Diseases Department of Radiology New York, NY
Enid A. Haupt Endowed Chair in Clinical Investigation	Memorial Hospital for Cancer and Allied Diseases New York, NY

#### Board Certification

Full Name of Board	Certificate # (indicate if board eligible)	Dates of Certification (mm/dd/yyyy) – (mm/dd/yyyy)
American Board of Radiology		06/03/1998
American Board of Radiology – Certificate of Added Qualification, Interventional Radiology		11/10/2014

#### E. INSTITUTIONAL/HOSPITAL AFFILIATION

Primary Hospital Affiliation:	Memorial Hospital for Cancer and Allied Diseases
Other Hospital Affiliations:	
Other Institutional Affiliations:	Weill Cornell Medical College

#### F. EMPLOYMENT STATUS

<b>Name of Current Employer(s):</b>	Memorial Sloan Kettering Cancer Center
<b>Current Employment Status:</b> <i>(Please choose one, list here, delete the others):</i>	Full-time salaried by Cornell-affiliated hospital

#### G. BIBLIOGRAPHY

*Entries should follow standard journal format, listing all authors, complete titles and inclusive pagination. Please also include PMID: PMC number (or DOI number).*

**Bold your name** wherever it appears in the author list. Key publications may be annotated in the Significant Publications to indicate the role of the candidate, where appropriate. Indicate if you are a co-first-author or co-senior author with an asterisk.

*Number the entries. The listings must be organized by category, in **chronological** order (most recent last). Use the following categories:*

1. Peer-reviewed Research Articles:

1. **Solomon SB**, White P Jr, Acker DE, Strandberg J, Venbrux AC. Real-time bronchoscope tip localization enables three-dimensional CT image guidance for transbronchial needle aspiration in swine. *Chest*. 1998 Nov;114(5):1405-10. doi: 10.1378/chest.114.5.1405. PMID: 9824022.
2. **Solomon SB**, Magee CA, Acker DE, Venbrux AC. Experimental nonfluoroscopic placement of inferior vena cava filters: use of an electromagnetic navigation system with previous CT data. *J Vasc Interv Radiol*. 1999 Jan;10(1):92-5. doi: 10.1016/s1051-0443(99)70017-5. PMID: 10872496.
3. **Solomon SB**, Gatewood OM, Brem RF. HIV Infection: Analysis of Mammographic Findings. *Breast J*. 1999 Mar;5(2):112-115. doi: 10.1046/j.1524-4741.1999.00134.x. PMID: 11348269.
4. **Solomon SB**, Magee C, Acker DE, Venbrux AC. TIPS placement in swine, guided by electromagnetic real-time needle tip localization displayed on previously acquired 3-D CT. *Cardiovasc Intervent Radiol*. 1999 Sep-Oct;22(5):411-4. doi: 10.1007/s002709900416. PMID: 10501894.
5. Chan DY, Koniaris L, Magee C, Ferrell M, **Solomon S**, Lee BR, Anderson JH, Smith DO, Czapski J, Deweese T, Choti MA, Kavoussi LR. Feasibility of ablating normal renal parenchyma by interstitial photon radiation energy: study in a canine model. *J Endourol*. 2000 Mar;14(2):111-6. doi: 10.1089/end.2000.14.111. PMID: 10772501.
6. Koniaris LG, Chan DY, Magee C, **Solomon SB**, Anderson JH, Smith DO, De Weese T, Kavoussi LR, Choti MA. Focal hepatic ablation using interstitial photon radiation energy. *J Am Coll Surg*. 2000 Aug;191(2):164-74. doi: 10.1016/s1072-7515(00)00295-7. PMID: 10945360.
7. **Solomon SB**, White P Jr, Wiener CM, Orens JB, Wang KP. Three-dimensional CT-guided bronchoscopy with a real-time electromagnetic position sensor: a comparison of two image registration methods. *Chest*. 2000 Dec;118(6):1783-7. doi: 10.1378/chest.118.6.1783. PMID: 11115473.
8. **Solomon SB**, Koniaris LG, Chan DY, Magee CA, DeWeese TL, Kavoussi LR, Choti MA. Temporal CT changes after hepatic and renal interstitial radiotherapy in a canine model. *J Comput Assist Tomogr*. 2001 Jan-Feb;25(1):74-80. doi: 10.1097/00004728-200101000-00013. PMID: 11176297.
9. **Solomon SB**, Semih Dogan A, Nicol TL, Campbell JN, Pomper MG. Positron emission tomography in the detection and management of sarcomatous transformation in neurofibromatosis. *Clin Nucl Med*. 2001 Jun;26(6):525-8. doi: 10.1097/00003072-200106000-00009. PMID: 11353300.
10. Fried NM, Snelnikov YD, Pant BB, Roberts WW, **Solomon SB**. Noninvasive vasectomy using a focused ultrasound clip: thermal measurements and simulations. *IEEE Trans Biomed Eng*. 2001 Dec;48(12):1453-9. doi: 10.1109/10.966604. PMID: 11759926.
11. Roberts WW, Fugita OE, Kavoussi LR, Stoianovici D, **Solomon SB**. Measurement of needle-tip bioimpedance to facilitate percutaneous access of the urinary and biliary systems: first assessment of an experimental system. *Invest Radiol*. 2002 Feb;37(2):91-4. doi: 10.1097/00004424-200202000-00007. PMID: 11799333.
12. **Solomon SB**, Bohlman ME, Choti MA. Percutaneous gadolinium injection under MR guidance to mark target for CT-guided radiofrequency ablation. *J Vasc Interv Radiol*. 2002 Apr;13(4):419-21. doi: 10.1016/s1051-0443(07)61747-3. PMID: 11932375.

13. Roberts WW, Chan DY, Fried NM, Wright EJ, Nicol T, Jarrett TW, Kavoussi LR, **Solomon SB**. High intensity focused ultrasound ablation of the vas deferens in a canine model. *J Urol*. 2002 Jun;167(6):2613-7. PMID: 11992096.
14. Fried NM, Roberts WW, Sinelnikov YD, Wright EJ, **Solomon SB**. Focused ultrasound ablation of the epididymis with use of thermal measurements in a canine model. *Fertil Steril*. 2002 Sep;78(3):609-13. doi: 10.1016/s0015-0282(02)03245-4. PMID: 12215341.
15. Su LM, Stoianovici D, Jarrett TW, Patriciu A, Roberts WW, Cadeddu JA, Ramakumar S, **Solomon SB**, Kavoussi LR. Robotic percutaneous access to the kidney: comparison with standard manual access. *J Endourol*. 2002 Sep;16(7):471-5. doi: 10.1089/089277902760367421. PMID: 12396439.
16. Roberts WW, Wright EJ, Fried NM, Nicol T, Jarrett TW, Kavoussi LR, **Solomon SB**. High-intensity focused ultrasound ablation of the epididymis in a canine model: a potential alternative to vasectomy. *J Endourol*. 2002 Oct;16(8):621-5. doi: 10.1089/089277902320913341. PMID: 12470473.
17. **Solomon SB**, Patriciu A, Bohlman ME, Kavoussi LR, Stoianovici D. Robotically driven interventions: a method of using CT fluoroscopy without radiation exposure to the physician. *Radiology*. 2002 Oct;225(1):277-82. doi: 10.1148/radiol.2251011133. PMID: 12355016; PMCID: PMC3107539.
18. **Solomon SB**, Dickfeld T, Calkins H. Real-time cardiac catheter navigation on three-dimensional CT images. *J Interv Card Electrophysiol*. 2003 Feb;8(1):27-36. doi: 10.1023/a:1022379612437. PMID: 12652174.
19. Su Li, Jarrett TW, Chan DY, Kavoussi LR, **Solomon SB**. Percutaneous computed tomography-guided radiofrequency ablation of renal masses in high surgical risk patients: preliminary results. *Urology*. 2003 Apr;61(4 Suppl 1):26-33. doi: 10.1016/s0090-4295(03)00118-3. PMID: 12657358.
20. **Solomon SB**, Nicol TL, Chan DY, Fjield T, Fried N, Kavoussi LR. Histologic evolution of high-intensity focused ultrasound in rabbit muscle. *Invest Radiol*. 2003 May;38(5):293-301. doi: 10.1097/01.RLI.0000066421.79958.96. PMID: 12750619.
21. Meininger GR, Calkins H, Lickfett L, Lopath P, Fjield T, Pacheco R, Harhen P, Rodriguez ER, Berger R, Halperin H, **Solomon SB**. Initial experience with a novel focused ultrasound ablation system for ring ablation outside the pulmonary vein. *J Interv Card Electrophysiol*. 2003 Apr;8(2):141-8. doi: 10.1023/a:1023613018185. PMID: 12766506.
22. Weiss N, **Solomon SB**. Talc pleurodesis mimics pleural metastases: differentiation with positron emission tomography/computed tomography. *Clin Nucl Med*. 2003 Oct;28(10):811-4. doi: 10.1097/01.rlu.0000089522.86184.49. PMID: 14508271.
23. Dickfeld T, Calkins H, Zviman M, Kato R, Meininger G, Lickfett L, Berger R, Halperin H, **Solomon SB**. Anatomic stereotactic catheter ablation on three-dimensional magnetic resonance images in real time. *Circulation*. 2003 Nov 11;108(19):2407-13. doi: 10.1161/01.CIR.0000093191.05433.B0. Epub 2003 Oct 20. PMID: 14568905.
24. Varkarakis JM, McAllister M, Ong AM, **Solomon SB**, Allaf ME, Inagaki T, Bhayani SB, Trock B, Jarrett TW. Evaluation of water jet morcellation as an alternative to hand morcellation of renal tissue ablation during laparoscopic nephrectomy: an in vitro study. *Urology*. 2004 Apr;63(4):796-9. doi: 10.1016/j.urology.2003.10.067. PMID: 15072914.

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26. Johnson DB, **Solomon SB**, Su LM, Matsumoto ED, Kavoussi LR, Nakada SY, Moon TD, Shingleton WB, Cadeddu JA. Defining the complications of cryoablation and radio frequency ablation of small renal tumors: a multi-institutional review. *J Urol*. 2004 Sep;172(3):874-7. doi: 10.1097/01.ju.0000135833.67906.ec. PMID: 15310987.
27. Johnson DB, **Solomon SB**, Su LM, Matsumoto ED, Kavoussi LR, Nakada SY, Moon TD, Shingleton WB, Cadeddu JA. Defining the complications of cryoablation and radio frequency ablation of small renal tumors: a multi-institutional review. *J Urol*. 2004 Sep;172(3):874-7. doi: 10.1097/01.ju.0000135833.67906.ec. PMID: 15310987.
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33. Dickfeld T, Calkins H, Bradley D, **Solomon SB**. Stereotactic catheter navigation using magnetic resonance image integration in the human heart. *Heart Rhythm*. 2005 Apr;2(4):413-5. doi: 10.1016/j.hrthm.2004.11.023. PMID: 15851346.
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37. **Solomon SB**, Patriciu A, Stoianovici DS. Tumor ablation treatment planning coupled to robotic implementation: a feasibility study. *J Vasc Interv Radiol*. 2006 May;17(5):903-7. doi: 10.1097/01.RVI.0000217945.27704.B1. PMID: 16687759.
38. Warlick CA, Lima GC, Allaf ME, Varkarakis I, Permpongkosol S, Schaeffer EM, Kavoussi LR, Jarrett TW, **Solomon SB**. Clinical sequelae of radiographic iceball involvement of collecting system during computed tomography-guided percutaneous renal tumor cryoablation. *Urology*. 2006 May;67(5):918-22. doi: 10.1016/j.urology.2005.11.058. PMID: 16698352.
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41. Dong J, Calkins H, **Solomon SB**, Lai S, Dalal D, Lardo AC, Brem E, Preiss A, Berger RD, Halperin H, Dickfeld T. Integrated electroanatomic mapping with three-dimensional computed tomographic images for real-time guided ablations. *Circulation*. 2006 Jan 17;113(2):186-94. doi: 10.1161/CIRCULATIONAHA.105.565200. Epub 2006 Jan 9. Erratum in: *Circulation*. 2006 Sep 19;114(12):e509. Lardo, AI [corrected to Lardo, Albert C]. PMID: 16401772.
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48. Permpongkosol S, Nicol TL, Link RE, Varkarakis I, Khurana H, Zhai QJ, Kavoussi LR, **Solomon SB**. Differences in ablation size in porcine kidney, liver, and lung after cryoablation using the same ablation protocol. *AJR Am J Roentgenol*. 2007 Apr;188(4):1028-32. doi: 10.2214/AJR.06.0810. PMID: 17377040.

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50. **Solomon SB**, Thornton RT, Deschamps F, Pichon E, Troussset Y, Grimaud M, Houdant S, Getrajdman G, de Baere T. A treatment planning system for transcatheter hepatic therapies: pilot study. *J Interv Oncol*. 2008; 1:12-18.
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58. Subramanian N, Pichon E, **Solomon SB**. Automatic registration using implicit shape representations: applications in intraoperative 3D rotational angiography to preoperative CTA registration. *Int J Comput Assist Radiol Surg*. 2009 Mar;4(2):141-6. doi: 10.1007/s11548-008-0279-5. Epub 2008 Nov 15. PMID: 20033612.
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62. Thornton RH, Miller Z, Covey AM, Brody L, Sofocleous CT, **Solomon SB**, Getrajdman GI. Tunneled pleural catheters for treatment of recurrent malignant pleural effusion following failed pleurodesis. *J Vasc Interv Radiol.* 2010 May;21(5):696-700. doi: 10.1016/j.jvir.2010.01.021. Epub 2010 Mar 21. PMID: 20307992.
63. Mezhir JJ, Fong Y, Jacks LM, Getrajdman GI, Brody LA, Covey AM, Thornton RH, Jarnagin WR, **Solomon SB**, Brown KT. Current management of pyogenic liver abscess: surgery is now second-line treatment. *J Am Coll Surg.* 2010 Jun;210(6):975-83. doi: 10.1016/j.jamcollsurg.2010.03.004. PMID: 20510807.
64. Thornton RH, Dauer LT, Altamirano JP, Alvarado KJ, St Germain J, **Solomon SB**. Comparing strategies for operator eye protection in the interventional radiology suite. *J Vasc Interv Radiol.* 2010 Nov;21(11):1703-7. doi: 10.1016/j.jvir.2010.07.019. PMID: 20920841.
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66. Deschamps F, **Solomon SB**, Thornton RH, Rao P, Hakime A, Kuoch V, de Baere T. Computed analysis of three-dimensional cone-beam computed tomography angiography for determination of tumor-feeding vessels during chemoembolization of liver tumor: a pilot study. *Cardiovasc Intervent Radiol.* 2010 Dec;33(6):1235-42. doi: 10.1007/s00270-010-9846-6. PMID: 20390271; PMCID: PMC2977071.
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