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A. CITIZENSHIP

Austria / European Union (US Permanent Resident)

B. ACADEMIC HISTORY

Colleges and Universities:

1974-1982	Secondary School, Tulln, Province of Lower Austria, Austria	n/a
1982-1989	University of Vienna, Medical School, Vienna, Austria	Dr.med.univ.

Scholarships and Honors

1998	Schroedinger Stipend (I), Austrian Science Foundation (Stanford University)
1999	Schroedinger Stipend (II), Austrian Science Foundation (Stanford University)

Post-doctoral and Residency Training

1990-1991	Public Hospital of the City of Allentsteig, Allentsteig, Austria	Internship
06-11/1991	Vienna Military Hospital (as part of National Service) Vienna, Austria	Internship
1991-1997	Department of Radiology, University of Vienna, Vienna, Austria	Residency
1998-1999	Department of Radiology, Stanford University, Stanford, CA	Research Fellowship

Board Certifications / Licensure

1997	Diagnostic Radiology Diploma, Austrian Medical Chamber (in compliance w/ Directive 93/16/EEC Council of European Communities; valid in all countries of the European Union)
2004-2006	USMLE Step I, Step II-ck, Step II-cs, and Step III
2006	California Medical License: A98441

Other Study and Research Opportunities

- 1998/99 PRECEPT - The Stanford Postdoctoral Educational Curriculum. Stanford University, Stanford, CA, USA
- 07-10/98 ORACLE – Outcomes research and clinical epidemiology course. Department of Epidemiology and Biostatistics, UCSF, San Francisco, CA
- 2001/02 Postgraduate Course for Management and Leadership in Medicine ('Postgradueller Kurs fuer Medizinische Fuehrungskraefte'). University of Salzburg, AUSTRIA

C. EMPLOYMENT HISTORY

- 01/00-10/00 Staff Physician Department of Radiology, University of Vienna, Austria
- 10/00-11/02 Associate Professor of Radiology, Department of Radiology University of Vienna, Austria
- 01/02-11/02 Vice Section Head, Dept. of Angiography and Interventional Radiology, University of Vienna, Austria
- 11/02-07/03 Staff Physician, Department of Radiology, Stanford University Medical Center, Stanford, CA
- 08/03-09/06 Assistant Professor, Department of Radiology, Stanford University Medical Center, Stanford, CA
- 08/06-06/11 Associate Professor, Department of Radiology, Stanford University Medical Center, Stanford, CA
- 07/11-pres. Professor, Department of Radiology, Stanford University Medical Center, Stanford, CA

ADMINISTRATIVE APPOINTMENTS

- (2003) Acting Section Chief, Thoracic Imaging Section, Stanford Radiology (Sabbatical)
- (2009) Acting Section Chief, Cardiovascular Imaging Section (Sabbatical)
- (2010) Acting Section Chief, Thoracic Imaging Section, Stanford Radiology (Sabbatical)
- 04/08-pres. Director of Computed Tomography, Department of Radiology, Stanford Hospital and Clinics, Stanford, CA

Responsibilities include: (a) developing and implementing CT scanning and injection protocols (incl. monitoring of radiation exposure parameters), for all inpatient (n=3) and outpatient (n=4) CT scanners, ranging from 8-row systems to latest dual-source CT systems. (b) Education and training for RTs (inservice calendar, workshops for daytime and weekend staff, applications training). (c) developing, updating, and monitoring of CT related policies and procedures. (d) training and education of Residents, Fellows, and

Faculty on new CT technology. (e) maintain and develop industry collaboration/research collaboration with manufacturers of CT scanners and injectors.

(2011) Acting Associate Chair for Clinical Affairs, Stanford Radiology (March 21-25, May 12-13, November 2-4)

2011 Section Chief, Cardiovascular Imaging

D. PUBLIC AND PROFESSIONAL SERVICE

1997 National Representative (Austria), of the Junior Radiologist Forum of the European Association of Radiology (EAR)

2011-2014 Chair, Refresher Course Subcommittee (Vascular), Radiological Society of North America (RSNA)

2012-2014 Member, Scientific Program Committee, Radiological Society of North America (RSNA)

External Reviewer

2001 Master Thesis Reviewer and Examiner, Vienna University of Technology

2004 Doctoral Thesis Reviewer and Examiner, Vienna University of Technology

2006 Doctoral Thesis Reviewer and Examiner, Vienna University of Technology

2010 Grant Reviewer, The Netherlands National Technology Foundation STW

Manuscript Reviewer

1996 - Manuscript Reviewer, *European Radiology*

2000 - Manuscript Reviewer, *European Journal of Radiology*

2004 - Manuscript Reviewer, *Radiology*

2004 - Manuscript Reviewer, *Journal of Computer Assisted Tomography*

2004 - Manuscript Reviewer, *American Journal of Radiology*

2005 - Manuscript Reviewer, *Investigative Radiology*

2005 - Manuscript Reviewer, *American Journal of Roentgenology*

2009 - Manuscript Reviewer, *American Heart Journal*

2010 - Manuscript Reviewer, *Circulation*

2011 - Manuscript Reviewer, *Journal of the American College of Cardiology*

Guest Reviewer

2000 Guest Manuscript Reviewer, *European Respiratory Journal*

2004 Guest Manuscript Reviewer, *IEEE Transactions in Medical Imaging*

2004 Guest Manuscript Reviewer, *J Thorac Cardiovasc Surg*

Editorial Board Member

1999 - *European Radiology* (Thoracic Imaging)

2003- *European Radiology* – Section Editor (Computed Tomography)
 2004 - *Der Radiologe*
 2007 - *RADIOLOGY* (Cardiac Imaging) –Associate Editor

Guest Editor

2008 *Seminars in Thoracic and Cardiovascular Surgery*
 (Advances in Imaging of Cardiovascular Diseases: Vol 20, 2008. 332-399)

Search Committees

2011 Search Committee for Cardiovascular Imaging Imaging Faculty
 2011 Search Committee for Assistant Professor in Vascular Surgery

Corporate Advisory Boards

2010 Bracco Advisory Board

E. POST-DEGREE HONORS, AWARDS, AND PROFESSIONAL ASSOCIATIONS

Awards

(research/academic)

1993 Joseph T. Ferrucci Award, International Society of Biliary Radiology
 1995 Gerot Award, Austrian Roentgen Society
 1999 Cum Laude Award, Society of Computed Body Tomography
 1999 Research Trainee Award, Radiological Society of North America
 1999 First Poster Award, Austrian Roentgen Society
 2000 Invited Film reading panelist, European Congress of Radiology
 2002 Best Case Study Award, IEEE Computer Society
 2004 Editor's recognition award, 'Radiology' for Reviewing
 2005 Editor's recognition award, 'Radiology', for Reviewing
 2005 Best Medical Application (3rd rank), Eur. Soc. of Computergraphics
 2006 Hounsfield Award, Society of Computed Body Tomography (SBCT-MR)
 2006 Editor's Recognition Award, 'Radiology' for Reviewing
 2006 Editor's Recognition Award. 'Eur J Radiol' for outstanding reviewing
 2007 Moncada In-Training Award (David Tran), SCBT/MR
 2008 Certificate of Merit: Educational Poster:(P Sedati) RSNA 2008
 2011 Wyle J. Dodds Research Award, The Society of Gastrointestinal Radiologists (A. Kamaya)

(teaching awards)

2004 Junior Faculty of the Year Teaching Award, Stanford Radiology
 2011 Senior Faculty of the Year Award, Stanford Radiology

Professional Associations

- 1991- Member, European Congress of Radiology
- 1993- Member, American Roentgen Ray Society
- 1993- Member, Radiological Society of North America
- 1994- Member, European Society of Thoracic Imaging
- 2006- Fellow, Society of Computed Body Tomography and MR
- 2007- Member, American Heart Association
- 2011- Member, North American Society for Cardiovascular Imaging

F. SCHOLARLY PUBLICATIONS

Peer-reviewed Articles: (Total of 86)

1. Engel A, Hamilton G, Hajek P, Fleischmann D. In vitro uptake 153gadolinium and gadolinium complexes by hyaline articular cartilage. *Eur J Radiol* 1990;11:104-6.
2. Graninger W, Fleischmann D, Schneeweiss B, Aram L, Stockenhuber F. Rapid screening for bacteriuria in pregnancy. *Infection* 1992;20:9-11.
3. Bankier A, Fleischmann D, Wiesmayr M, Laczika K, Hubsch P. [Candida glabrata pneumonia in a non-immunosuppressed patient: diagnostic imaging with digital luminescence radiography and CT]. *Aktuelle Radiol* 1994;4:192-4.
4. Bankier A, Fleischmann D, Baldt M, Hubsch P. [Bronchiolitis obliterans accompanied by organizing pneumonia: radiologic diagnosis in a case of a 22-year-old female]. *Aktuelle Radiol* 1994;4:39-40.
5. Wiesmayr M, Bankier A, Fleischmann D, Karnel F. [Percutaneous drainage of intra-abdominal abscesses in Crohn disease]. *Aktuelle Radiol* 1994;4:184-7.
6. Bankier A, Fleischmann D, Wiesmayr M, Hubsch P. [Right aortic arch simulates mediastinal tumor: diagnosis with spiral CT]. *Aktuelle Radiol* 1995;5:70-2.
7. Bankier AA, Fleischmann D, Dantendorfer K, Wiesmayr MN, Kontrus M, Hubsch P, et al. Automatic patient-instruction devices in thin-section CT of the thorax: impact on image quality. *Radiology* 1995;196:841-4.
8. Bankier AA, Kiener HP, Wiesmayr MN, Fleischmann D, Kontrus M, Herold CJ, et al. Discrete lung involvement in systemic lupus erythematosus: CT assessment. *Radiology* 1995;196:835-40.
9. Bankier AA, Fleischmann D, Wiesmayr MN, Putz D, Kontrus M, Hubsch P, et al. Update: abdominal tuberculosis--unusual findings on CT. *Clin Radiol* 1995;50:223-8.
10. Bankier AA, Fleischmann D, Windisch A, Germann P, Petritschek W, Wiesmayr MN, et al. Position of jugular oxygen saturation catheter in patients with head trauma: assessment by use of plain films. *AJR Am J Roentgenol* 1995;164:437-41.
11. Kapral S, Krafft P, Gosch M, Fleischmann D, Weinstabl C. Ultrasound imaging for stellate ganglion block: direct visualization of puncture site and local anesthetic spread. A pilot study. *Reg Anesth* 1995;20:323-8.
12. Baldt MM, Zontsich T, Stumpflen A, Fleischmann D, Schneider B, Minar E, et al. Deep venous thrombosis of the lower extremity: efficacy of spiral CT venography compared with conventional venography in diagnosis. *Radiology* 1996;200:423-8.
13. Bankier AA, Fleischmann D, Mallek R, Windisch A, Winkelbauer FW, Kontrus M, et al. Bronchial wall thickness: appropriate window settings for thin-section CT and radiologic-anatomic correlation. *Radiology* 1996;199:831-6.

14. Fleischmann D, Ringl H, Schofl R, Potzi R, Kontrus M, Henk C, et al. Three-dimensional spiral CT cholangiography in patients with suspected obstructive biliary disease: comparison with endoscopic retrograde cholangiography. *Radiology* 1996;198:861-8.
15. Bankier AA, Janata K, Fleischmann D, Kreuzer S, Mallek R, Frossard M, et al. Severity assessment of acute pulmonary embolism with spiral CT: evaluation of two modified angiographic scores and comparison with clinical data. *J Thorac Imaging* 1997;12:150-8.
16. Bankier AA, Wiesmayr MN, Henk C, Turetschek K, Winkelbauer F, Mallek R, Fleischmann D, et al. Radiographic detection of intrabronchial malpositions of nasogastric tubes and subsequent complications in intensive care unit patients. *Intensive Care Med* 1997;23:406-10.
17. Bankier AA, Mallek R, Wiesmayr MN, Fleischmann D, Kranz A, Kontrus M, et al. Azygos arch cannulation by central venous catheters: radiographic detection of malposition and subsequent complications. *J Thorac Imaging* 1997;12:64-9.
18. Breitenseher MJ, Metz VM, Gilula LA, Gaebler C, Kukla C, Fleischmann D, et al. Radiographically occult scaphoid fractures: value of MR imaging in detection. *Radiology* 1997;203:245-50.
19. Breitenseher MJ, Haller J, Kukla C, Gaebler C, Kaider A, Fleischmann D, et al. MRI of the sinus tarsi in acute ankle sprain injuries. *J Comput Assist Tomogr* 1997;21:274-9.
20. Thurnher MM, Thurnher SA, Fleischmann D, Steuer A, Rieger A, Helbich T, et al. Comparison of T2-weighted and fluid-attenuated inversion-recovery fast spin-echo MR sequences in intracerebral AIDS-associated disease [see comments]. *AJNR Am J Neuroradiol* 1997;18:1601-9.
21. Thurnher MM, Thurnher SA, Muhlbauer B, Hainfellner JA, Steuer A, Fleischmann D, et al. Progressive multifocal leukoencephalopathy in AIDS: initial and follow-up CT and MRI. *Neuroradiology* 1997;39:611-8.
22. Bankier AA, Stauffer F, Fleischmann D, Kreuzer S, Strasser G, Mossbacher U, et al. Radiographic findings in patients with acquired immunodeficiency syndrome, pulmonary infection, and microbiologic evidence of *Mycobacterium xenopi*. *J Thorac Imaging* 1998;13:282-8.
23. Bankier AA, Fleischmann D, De Maertelaer V, Kontrus M, Zontsich T, Hittmair K, et al. Subjective differentiation of normal and pathological bronchi on thin-section CT: impact of observer training. *Eur Respir J* 1999;13:781-6.
24. Fleischmann D, Hittmair K. Mathematical analysis of arterial enhancement and optimization of bolus geometry for CT angiography using the discrete fourier transform. *J Comput Assist Tomogr* 1999;23:474-84.
25. Helbich TH, Heinz-Peer G, Fleischmann D, Wojnarowski C, Wunderbaldinger P, Huber S, et al. Evolution of CT findings in patients with cystic fibrosis. *AJR Am J Roentgenol* 1999;173:81-8.
26. Rubin GD, Shiau MC, Schmidt AJ, Fleischmann D, Logan L, Leung AN, et al. Computed tomographic angiography: historical perspective and new state-of-the-art using multi detector-row helical computed tomography [In Process Citation]. *J Comput Assist Tomogr* 1999;23 Suppl 1:S83-90.
27. Wunderbaldinger P, Bankier AA, Kreuzer S, Turetschek K, Fleischmann D, Herold CJ. Thoracic venous anatomy delineated by malpositioned central venous catheters on plain chest films. *J Thorac Imaging* 1999;14:286-92.
28. Henk C, Fleischmann D, Turetschek K, Mostbeck G. Quiz case 5. Pneumococcal sepsis in a patient with hereditary hypoplasia of the spleen. *Eur J Radiol* 1999;29:259-61.
29. Fleischmann D, Rubin GD, Bankier AA, Hittmair K. Improved uniformity of aortic enhancement with customized contrast medium injection protocols at CT angiography. *Radiology* 2000;214:363-71.
30. Fleischmann D, Rubin GD, Paik DS, Yen SY, Hilfiker PR, Beaulieu CF, et al. Stair-step artifacts with single versus multiple detector-row helical CT. *Radiology* 2000;216:185-96.

31. Hilfiker PR, Herfkens RJ, Heiss SG, Alley MT, Fleischmann D, Pelc NJ. Partial fat-saturated contrast-enhanced three-dimensional MR angiography compared with non-fat-saturated and conventional fat-saturated MR angiography. *Radiology* 2000;216:298-303.
32. Balassy C, Bernert G, Wober-Bingol C, Csapo B, Kornek B, Szeles J, Fleischmann D, et al. Long-term MRI observations of childhood-onset relapsing-remitting multiple sclerosis. *Neuropediatrics* 2001;32:28-37.
33. Fleischmann D, Hastie TJ, Dannegger FC, Paik DS, Tillich M, Zarins CK, et al. Quantitative determination of age-related geometric changes in the normal abdominal aorta. *J Vasc Surg* 2001;33:97-105.
34. Fleischmann D, Scholten C, Klepetko W, Lang IM. Three-dimensional visualization of pulmonary thromboemboli in chronic thromboembolic pulmonary hypertension with multiple detector-row spiral computed tomography. *Circulation* 2001;103:2993.
35. Hittmair K, Fleischmann D. Accuracy of predicting and controlling time-dependent aortic enhancement from a test bolus injection. *J Comput Assist Tomogr* 2001;25:287-94.
36. Kanitsar A, Wegenkittl R, Felkel P, Fleischmann D, Sandner D. Computed tomography angiography: a case study of peripheral vessel investigation. In: IEEE Visualization; 2001; San Diego: IEEE Computer Society; 2001: 477-480.
37. Schaefer-Prokop C, Prokop M, Fleischmann D, Herold C. High-resolution CT of diffuse interstitial lung disease: key findings in common disorders. *Eur Radiol* 2001;11:373-92.
38. Schibany N, Fleischmann D, Thallinger C, Schibany A, Hahne J, Ba-Ssalamah A, et al. Equipment availability and diagnostic strategies for suspected pulmonary embolism in Austria. *Eur Radiol* 2001;11:2287-94.
39. Schoder M, Zaunbauer L, Holzenbein T, Fleischmann D, Cejna M, Kretschmer G, et al. Internal iliac artery embolization before endovascular repair of abdominal aortic aneurysms: frequency, efficacy, and clinical results. *AJR Am J Roentgenol* 2001;177:599-605.
40. Tillich M, Bell RE, Paik DS, Fleischmann D, Sofilos MC, Logan LJ, et al. Iliac arterial injuries after endovascular repair of abdominal aortic aneurysms: correlation with iliac curvature and diameter. *Radiology* 2001;219:129-36.
41. Bonderman D, Fleischmann D, Prokop M, Klepetko W, Lang IM. Images in cardiovascular medicine. Left main coronary artery compression by the pulmonary trunk in pulmonary hypertension. *Circulation* 2002;105:265.
42. Kanitsar A, Fleischmann D, Wegenkittl R, Felkel P, Groeller E. CPR - curved planar reformation. In: IEEE Visualization; 2002; Boston: IEEE Computer Society; 2002: 37-44.
43. Kanitsar A, Theussl T, Mroz L, Sramek M, Vilanova Bartoli A, Csebfalvi B, Fleischmann D, et al. Christmas tree case study: computed tomography as a tool for mastering complex real world objects with applications in computer graphics. In: IEEE Visualization; 2002; Boston: IEEE Computer Society; 2002: 489-492.
44. Schoder M, Grabenwoger M, Holzenbein T, Domanovits H, Fleischmann D, Wolf F, et al. Endovascular stent-graft repair of complicated penetrating atherosclerotic ulcers of the descending thoracic aorta. *J Vasc Surg* 2002;36:720-6.
45. Straka M, La Cruz A, Koechl A, Sramek M, Groeller E, Fleischmann D. 3D watershed transform combined with a probabilistic atlas for medical image segmentation. *Journal of Medical Informatics and Technologies* 2003; 6:IT69-IT78.
46. Straka M, La Cruz A, Koechl A, Dimitrov LI, Sramek M, Fleischmann D, Groeller E. Bone segmentation in CT-angiography data using a probabilistic atlas. In: Ertl B, Girod B, Greiner G, et al., eds. *Vision, Modeling, and Visualization*. Munich, Germany, 2003;505-512.

47. Kanitsar A, Wegenkittl R, Fleischmann D, Groeller E. Advanced curved planar reformation: flattening of vascular structures. In: IEEE Visualization 2003. Seattle: IEEE Computer Society, 2003; 43-50.
48. Napoli A, Fleischmann D, Chan FP, et al. Computed tomography angiography: state-of-the-art imaging using multidetector-row technology. J Comput Assist Tomogr 2004;28 Suppl 1:S32-45.
49. La Cruz A. Accuracy evaluation of different centerline approximations for blood vessels. In: Joint Eurographics IEEE TCVG Symposium on Visualization VisSym'2004. Konstanz, 2004;115-120.
50. La Cruz A, Straka M, Koechl A, Sramek M, Groeller E, Fleischmann D. Non-linear model fitting to parameterize diseased blood vessels. In: Rushmeier H, Turk G, van Wijk JJ, eds. IEEE Visualization 2004. Houston: IEEE Computer Society, 2004;393-400.
51. Straka M, Cervenansky M, La Cruz A, Koechl A, Sramek M, Groeller E, Fleischmann D. The vesselglyph: focus and context visualization in CT-angiography. In: Rushmeier H, Turk G, van Wijk JJ, eds. IEEE visualization 2004. Houston: IEEE Computer Society, 2004;385-392.
52. Krestan CR, Klein N, Fleischmann D, et al. Value of negative spiral CT angiography in patients with suspected acute PE: analysis of PE occurrence and outcome. Eur Radiol 2004;14:93-98.
53. Ihnken K, Sze D, Dake MD, Fleischmann D, Van der Starre P, Robbins R. Successful treatment of a Stanford type A dissection by percutaneous placement of a covered stent graft in the ascending aorta. J Thorac Cardiovasc Surg 2004;127:1808-1810.
54. Ketchum ES, Zamanian RT, Fleischmann D. CT-angiography of pulmonary artery aneurysms in Hughes-Stovin syndrome. AJR Am J Roentgenol 2005;185, 330-332.
55. Fleischmann D, Rubin GD. Quantification of intravenously administered contrast medium transit through the peripheral arteries: implications for CT angiography. Radiology 2005;236, 1076-1082.
56. Roos JE, Hellinger JC, Hallet R, Fleischmann D, Zarins CK, Rubin GD. Detection of endograft fractures with multidetector row computed tomography. J Vasc Surg 2005;42:1002-1006.
57. Fleischmann D, Hallett RL, Rubin FD. CT Angiography of Peripheral Arterial Disease. J Vasc Interv Radiol 2006;17:3-26.
58. Rand T, Basile A, Cejna M, Fleischmann D, et al. PTA versus carbofilm-coated stents in infrapopliteal arteries: pilot study. Cardiovasc Intervent Radiol 2006; 29:29-38.
59. Caffarelli AD, Banovac F, Cheung SC, Fleischmann D, Mitchell RS. Unusual case of later thoracic stent graft failure after cardioversion. J Thorac Cardiovasc Surg 2006
60. Haddad F, Perez M, Fleischmann D, Valantine H, Hunt SA. Giant coronary aneurysms in heart transplantation: an unusual presentation of cardiac allograft vasculopathy. J Heart Lung Transplant 2006; 25:1367-1370.
61. Fleischmann D, Lammer J. Peripheral CT angiography for interventional treatment planning. Europ. Radiol. 2006 (16S), 58-64
62. Lee RS, Fazel S, Schwarze U, Fleischmann D, Berry GJ, Liang D, Miller DC, Mitchell RS. Rapid aneurysmal degeneration of a Stanford type B aortic dissection in a patient with Loeys-Dietz syndrome. J Thorac Cardiovasc Surg 2007;134:242-243.
63. Rakshe T, Fleischmann D, Rosenberg J, Roos JE, Napel S "Knowledge-based interpolation of curves: Application to femoropopliteal arterial centerline restoration." *Med Image Analysis* 2007;11:157-16
64. Roos JE, Fleischmann D, Köchl A, Rakshe T, Straka M, Napoli A, Kanitsar A, Sramek A, Gröller. Multipath Curved Planar Reformation of the Peripheral Arterial Tree in CT Angiography. Radiology 2007;244:281-290

65. Tran DN, Fleischmann D, Rakshe T, Roos JE, Rosenberg J, Straka M, Napel S. Femoropopliteal artery centerline interpolation using contralateral shape. *Med Phys* 2007;34:9:3428-35
66. Schernthaner R, Fleischmann D, Lomoschitz F, Stadler A, Lammer J, Loewe C "Effect of MDCT angiographic findings on the management of intermittent claudication." *AJR Am J Roentgenol* 2007;189: 5: 1215-22
67. Schernthaner R, Stadler A, Lomoschitz F, Weber M, Fleischmann D, Lammer J, Loewe Ch "Multidetector CT angiography in the assessment of peripheral arterial occlusive disease: accuracy in detecting the severity, number, and length of stenoses." *Eur Radiol* 2008;18: 4: 665-71
68. Fazel SS, Mallidi HR, Lee RS, Sheehan MP, Liang D, Fleischman D, Herfkens R, Mitchell RS, Miller DC "The aortopathy of bicuspid aortic valve disease has distinctive patterns and usually involves the transverse aortic arch." *J Thorac Cardiovasc Surg* 2008;135: 4: 901-7, 907
69. Rakshe T, Fleischmann D*, Rosenberg J, Roos JE, Straka M, Napel S "An improved algorithm for femoropopliteal artery centerline restoration using prior knowledge of shapes and image space data." *Med Phys* 2008;35: 7: 3372-82
70. Gupta A, Fleischmann D, Murphy DJ, Wu JC "Surgically palliated double-inlet left ventricle with transposition of the great arteries mistaken for aortic aneurysm with dissection." *Int J Cardiol.* 2008 (Case Report)
71. Tran DN, Straka M, Roos JE, Napel S, Fleischmann D*: Dual-energy CT discrimination of iodine and calcium: experimental results and implications for lower extremity CT angiography. *Acad Radiol* 16:160-171, 2009
72. Schernthaner R, Stadler A, Lomoschitz F, Weber M, Fleischmann D, Lammer J, Loewe C: Multidetector CT angiography in the assessment of peripheral arterial occlusive disease: accuracy in detecting the severity, number, and length of stenoses. *Eur Radiol* 18:665-671, 2008
73. Schernthaner R, Fleischmann D, Stadler A, Schernthaner M, Lammer J, Loewe C: Value of MDCT angiography in developing treatment strategies for critical limb ischemia. *AJR Am J Roentgenol* 192:1416-1424, 2009
74. Roos JE, Rakshe T, Tran DN, Rosenberg J, Straka M, El-Helw T, Sofilos MC, Napel S, Fleischmann D: Lower extremity CT angiography (CTA): initial evaluation of a knowledge-based centerline estimation algorithm for femoro-popliteal artery (FPA) occlusions. *Acad Radiol* 16:646-653, 2009 (see also Editorial by Berliner L: Lower extremity CT angiography the combination of digital image processing and knowledge-based patient-specific modeling. *Acad Radiol* 16:643-645)
75. Schernthaner RE, Fleischmann D, Stadler A, Schernthaner M, Loewe C. Value of MDCT Angiography in Developing Treatment Strategies for Critical Limb Ischemia. *Am. J Roentgenology (AJR)* 2009 192:1416-1424
76. Sze DY, Fleischmann D, Ma AO, Price EA, McConnell MV. Embolization of a symptomatic systemic to pulmonary (right-to-left) venous shunt caused by fibrosing mediastinitis and superior vena caval occlusion. *J Vasc Interv Radiol.* 2010;21(1):140-3
77. Sze DY, Mitchell RS, Miller DC, Fleischmann D, Frisoli JK, Kee ST, Verma A, Sheehan MP, Dake MD. Infolding and collapse of thoracic endoprostheses: manifestations and treatment options. *J Thorac Cardiovasc Surg.* 2009 Aug;138(2):324-33.
78. Ueda T, Fleischmann D, Dake MD, Rubin GD, Sze DY. Incomplete endograft apposition to the aortic arch: bird-beak configuration increases risk of endoleak formation after thoracic endovascular aortic repair. *Radiology.* 2010;255(2):645-52

79. Boas FE, Fleischmann D. Evaluation of two new iterative techniques for reducing metal artifacts in computed tomography. *Radiology* 2011 Jun; 259(3):894-902.
80. Ying Ren, MD^{1,2}, Dominik Fleischmann, MD¹, Kira Foygel, PhD¹, Lior Molvin R.T.¹, Amelie M. Lutz, MD¹, Albert C. Koong, MD, PhD³, RB Jeffrey, Lu Tian, PhD⁴, Jürgen K Willmann, MD¹. Antiangiogenic and radiation therapy: early effects on in vivo computed tomography perfusion parameters in human colon cancer xenografts in mice. *Investigative Radiology*. 2012 Jan;47(1):25-32.
81. Christe A, Lin MC, Yen AC, Hallett RL, Roychoudhury K, Schmitzberger F, Fleischmann D, Leung AN, Rubin GD, Vock P, Roos JE. CT patterns of fungal pulmonary infections of the lung: Comparison of standard-dose and simulated low-dose CT. *Eur J Radiol* 2011 Aug 9 (Epub ahead of print)
82. Ho MY, Fleischmann D, Forrester MD, Lee DP. Coil embolization of a left circumflex feeder branch in a patient with a mediastinal paraganglioma. *JACC Cardiovasc Interv*. 2011 Dec;4(12):1345-6.
83. Huo JL, Choi JC, Deluna A, Lee D, Fleischmann D, Berry GJ, Deuse T, Haddad F. Cardiac paraganglioma: Diagnostic and Surgical challenges. *J Card Surg*. 2012 Mar;27(2):178-182.
84. Graziotti AL, Hammond J, Messinger DS, Bann CM, Miller-Loncar C, Twomey JE, Bursi C, Woldt E, Ann Nelson J, Fleischmann D, Alexander B. Maintaining participation and momentum in longitudinal research involving high-risk families. *J Nurs Scholarsh*. 2012 Jun;44(2):120-126.
85. Murillo H, Lane MJ, Pun R, Fleischmann D, Restrepo CS. Imaging of the aorta: embryology and anatomy. *Semin Ultrasound CT MR*. 2012 Jun;33(3):169-90.
86. Chin AS, Fleischmann D. State-of-the-art computed tomography angiography of acute aortic syndrome. *Semin Ultrasound CT MR*. 2012 Jun;33(3):222-34.

Non-peer-reviewed (review) Articles: Total of 38.

1. Breitenseher M, Kontaxis G, Fleischmann D, Rand TH, Imhof H, Trattnig S. [Ultra-short turbo-spin echo in comparison with turbo-spin echo. Possible applications in the musculoskeletal system]. *Radiologe* 1995;35:981-3.
2. Bankier AA, Fleischmann D, Aram L, Heimberger K, Schindler E, Herold CJ. [Imaging procedures in intensive care medicine. II. Techniques, indications, diagnostic signs]. *Anaesthesist* 1996;45:869-80.
3. Bankier AA, Fleischmann D, Kiener HP, Wiesmayr MN, Herold CJ. [Pleural and pulmonary changes within the scope of rheumatoid arthritis]. *Radiologe* 1996; 36:637-45.
4. Bankier AA, Fleischmann D, Aram L, Heimberger K, Schindler E, Herold CJ. [Imaging in intensive care medicine. I. Techniques, indications, diagnostic signs]. *Anaesthesist* 1996;45:769-86.
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34. Fleischmann D, Liang DH, Mitchell RS, Miller DC: Pre- and postoperative imaging of the aortic root for valve-sparing aortic root repair (V-SARR). *Semin Thorac Cardiovasc Surg* 20:365-373, 2008
35. Ueda T, Fleischmann D, Rubin GD, Dake MD, Sze DY: Imaging of the thoracic aorta before and after stent-graft repair of aneurysms and dissections. *Semin Thorac Cardiovasc Surg* 20:348-357, 2008
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Fleischmann D. Atheroskleroseforschung am Wiener AKH. "Zeit-im-Bild 2" (ORF – Austrian National TV), March 21, 2001, 22:00, Vienna

Fleischmann D. Neue Gefäßuntersuchung mit Computertomographie. "Wien Heute" (ORF – Austrian National TV), August 3, 2001, 18:30, Vienna

Fleischmann D. 64-slice CT and Beyond Poses Tough Implementation Challenges for Today's Radiologists. 1/07 Newsletter coverage of ECR State-of-the-Art Symposium, Vienna, 2007

Fleischmann D. Ein CT fuer alle Faelle. 1/12 Newsletter coverage of 7th Internationales Mehrschicht CT-Symposium, Garmisch, GERMANY, 2012

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NONE

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2. Herold CJ, Bankier AA, Fleischmann D. Spiral CT of the superior vena cava. In: Remy-Jardin M, Remy J (eds). *Spiral CT of the chest*. Springer, 1996, 256-281
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- 13a. Fleischmann D. Kontrastmittelapplikation beim Mehrschicht-CT . In: Brüning R, Flohr T, Küttner A, Hrsg.. Protokolle fuer Mehrschicht CT, Springer 2006
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18. Fleischmann D. Lin MCC: Contrast medium utilization. In Remy-Jardin M, Remy J (eds): Integrated cardiothoracic imaging with MDCT. Berlin Heidelberg: Springer, 2009, pp 53-63 ISBN 978-3-540-72386-8
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22. Hallett R, Fleischmann D. Diagnostic non-invasive evaluation: Computed Tomography. IN: *Abrams Angiography: Interventional Radiology, 3rd edition* edited by Jean-François H. Geschwind, MD and Michael D. (IN PRESS)
23. Fleischmann D, Chin AS, Miller DC. Three- and Four- Dimensional Imaging in Acute Aortic Syndrome. IN: Hodler J, von Schulthess GK, Zollikofer CL Diseases of the Heart, Chest & Breast. Springer, (Milan, Heidelberg, London,) 2011 ISBN978-88-470-1937-9 (IN PRESS)

6. Book Reviews (Total of 3)

1. Fleischmann D. Book Review: High-Resolution CT of the Lung (second edition). W. Richard Webb, Nestor L. Müller, David P. Naidich. Lippincott - Raven, 1996; 320 pages; ISBN: 0-781-70217-8. European Journal of Radiology, 1997.
2. Fleischmann D. Book Review: 3D Contrast MR Angiography. Martin R. Prince, Thomas M Grist, Jörg F. Debatin. Springer, 1997; 117 pages, 44 figs. ISBN:3-540-62577-1. European Journal of Radiology 1998.
3. Fleischmann D. Book Review: Pulmonary embolism – Epidemiology, Diagnosis and Treatment. Matthijs Oudkerk - Edwin J.R. van Beek - Jan W. ten Cate (Eds). Blackwell Science Ltd., 1999. 469 pages, 450 illustration and 78 tables. ISBN:0-632-04223-0. European Radiology 2000.

7. Abstracts: 22 of ~ 135.

1. Fleischmann D, Rubin GD, Paik DS, Beaulieu CF, Yen SY, Napel S. Helical artifacts in 1-slice and 4-slice CT: Quantitative and qualitative effects of scanning parameters and object position on a simulated blood vessel phantom. Radiology 1999;213(P):319.
(awarded the RSNA research trainee award 1999)
2. Balassy C, Fleischmann D, Bavinzski G, Mallek R. Improved treatment planning of complex cerebral aneurysms with multislice CT angiography: A pilot study. European Radiology 2001;1(11):115. ECR 2001.
3. Schick S, Gahleitner A, Hittmaier K, Fleischmann D. Optimization of test-bolus injection technique for accurate tailoring of arterial enhancement at CT-angiography: Is saline flushing necessary? European Radiology 2001;1(11):196. ECR 2001.
4. Kreuzer SH, Prokop M, Cejna M, Ahmadi R, Willfort A, Fleischmann D, Thurnher SA, Hörmann M, Loewe CM. Grading of carotid artery stenoses with multislice CT angiography: Comparison with US and DSA. European Radiology 2001;1(11):204. ECR 2001.
5. Kanitsar A, Wegenkittl R, Felkel P, Sandner D, Gröller E, Fleischmann D. Automated vessel detection at lower extremity multislice CTA. European Radiology 2001;1(11):236. ECR 2001.
6. Koechl A, Kanitsar A, Lomoschitz E, Groeller E, Fleischmann D. Comprehensive assessment of peripheral arteries using multi-path curved planar reformation of CTA datasets. In: European Radiology, 2003; 268. (best paper)
7. Kanitsar A, Fleischmann D, Theussl T, Mroz L, Sramek M, Groeller E. Demonstration of different segmentation and visualization techniques by means of a complex real world object exemplified by a Christmas tree. Europ Radiol 2003; 13:546.
(best case study award)

8. Roos JE, Fleischmann D, Rakshe T, Straka M, Rosenberg J, Sofilos M, Tran DN, Napel S. Knowledge-based Algorithm for Automated Centerline Interpolation through Femoro-Popliteal Occlusions in Peripheral CT Angiography. Scientific Session of Society of Computed Body Tomography and Magnetic Resonance (SCBT/MR), Phoenix AZ, 2006
(awarded the Hounsfield Award for best scientific CT paper)
9. Fleischmann D, Straka M, Schernthaner R, Varchola A, Roos J, Tran D, Rakshe T, Bernhard M, Solcany V, Napel S, Lammer J, Gröller E, Sramek M. AngioVis II: From science to practice of lower extremity CTA visualization. Invited exhibit, European Congress of Radiology, Vienna, Austria, March 2007
10. Tran DN, Roos JE, Straka M, Sandner D, Razavi H, Chang M, Pelc N, Napel S, Fleischmann D. Promises and Limitations of Dual-Energy CT in Lower Extremity CTA. Society of Computed Body Tomography & MR 30th Scientific Meeting March 4th, 2007, Orlando, FL
(awarded the Moncada in-training Award for best scientific paper by trainee)
11. Sedati P, Nguyen E, Rubin GD, Fleischmann D. ECG-gated computed tomography angiography of the ascending aorta following surgical repair: Normal anatomy and pitfalls. Radiological Society of North America (RSNA 2008) 94th Scientific Assembly and Annual Meeting
(certificate of merit for educational exhibit at RSNA 2008)
12. Boas FE, Fleischmann D. Evaluation of the Metal Deletion Technique (MDT): A New Method for Reducing Metal Streak Artifacts in Computed Tomography Scans. Radiological Society of North America (RSNA 2010) 96th Scientific Assembly and Annual Meeting
13. Dao C, Kratzert WB, Wong JK, McConnell MV, Liang D, Fleischmann D. Multimodality Imaging of the Aortic Annulus for Transcatheter Aortic Valve Implantation. Radiological Society of North America (RSNA 2010) 96th Scientific Assembly and Annual Meeting
14. Rubin DL, Fleischmann D, Yeluri V, Frederick P, Herfkens RJ. Toward Real-time Monitoring for Patient Safety: Recording, Extracting, and Reporting CT Radiation Dose Using New DICOM Standards. Radiological Society of North America (RSNA 2010) 96th Scientific Assembly and Annual Meeting
15. Yen AC, Leung AN, Lin M, Roos JE, Rosenberg J, Fleischmann D. Prospectively ECG-triggered Axial versus Helical CT of the Thorax: Effect on Image Quality. Radiological Society of North America (RSNA 2010) 96th Scientific Assembly and Annual Meeting
16. Dao C, Kratzert WB, Wong JK, McConnell MV, Fleischmann D, Liang DH. Assessment of Aortic Annulus Diameter with Three-dimensional Transesophageal Echocardiography: Implications for Transcatheter Aortic Valve Implantation. Circulation. 2010 Nov; 122(21): A8743
17. Ren Y, Fleischmann D, Foygel K, Lutz AM, Jeffrey R, Willmann JK. Antiangiogenic and Radiation Therapy: Early Effects on in Vivo CT Perfusion Parameters in Human Colon Cancer Xenografts in Mice. Radiological Society of North America (RSNA 2011) 97th Scientific Assembly and Annual Meeting
18. Fleischmann D, Boas FE, Tye GA, Sheahan DC, Molvin LZ. Effect of Low Radiation Dose on Image Noise and Subjective Image Quality for Analytic vs Iterative Image Reconstruction in Abdominal CT. Radiological Society of North America (RSNA 2011) 97th Scientific Assembly and Annual Meeting
19. Tye GA, Hom J, Kamaya A, Dessler TS, Fleischmann D. A Practical Guide to Performing Perfusion CT of Solid Abdominal Tumors: How We Do It (LL-GIE2821). Radiological Society of North America (RSNA 2011) 97th Scientific Assembly and Annual Meeting
20. Fleischmann D, Dao C, Blake T, Boas E, Liang D, Yeung A, Fearon W, Fischbein M, Miller DC. Computed Tomography Based Prediction of Angiographic Deployment Angles May Reduce Procedure Time and Contrast Medium Volume for Transcatheter Aortic Valve Replacement. American College of Cardiology 61st Annual Scientific Session (2012). 1111-513: JACC supplement, A294
21. Dao CN, Blake T, Liang D, Fischbein MP, Yeung A, Fearon W, Miller CD, Fleischmann D. Accuracy and Reproducibility of Contrast Enhanced and Non-enhanced Computed Tomography for Predicting the Angiographic Deployment Angle in Transcatheter Aortic Valve Replacement (TAVR). American College of Cardiology Annual Meeting, March 24, 2012, Chicago, IL (JACC March 27, 2012. Vol 59, No. 13, Supp A, p. A294.

22. Chan I, Sheahan D, Seaman D, Molvin LZ, Leung A, Fleischmann D. Effect of Iterative Reconstruction and Reduced Radiation Dose on Image Noise and Subjective Image Quality on Thin Section CT of the Lung: A Phantom Study. SCBT/MR Annual Meeting, October 22, 2011, Washington, DC.

8. Invited Presentations:

1. Fleischmann D. 11. Wiener US and CT Seminar (Mit Kursunterlagen), November 12-13, 1993, Wien
- Spiral- CT des Thorax
2. Fleischmann D. 4. Basler Tage der Medizinischen Radiologie. Mit Kursunterlagen, March 10-12, 1994, Basel
- Moderne radiologische Abklärung interstitieller Lungenprozesse
3. Fleischmann D. Wiener Ultraschall- und CT- Seminar, Mit Kursunterlagen, November 11-12, 1994, Wien
- Diagnose der Pulmonalembolie: Spiral CT: Technische Grundlagen, Möglichkeiten der 3D Rekonstruktion
4. Fleischmann D. Seminar Pulmonalembolie im Rahmen der Jahrestagung der Österreichischen Gesellschaft für Lungenerkrankungen und Tuberkulose, April 29 – May 1, 1995, Gmunden
- Bildgebende Diagnostik - State of the Art - Spiral CT, Angiographie
5. Fleischmann D. Fortbildungsveranstaltung "Pulmonalembolie," October 21, 1995, St. Pölten
- Diagnostik der Pulmonalembolie aus der Sicht der Bildgebung
6. Fleischmann D. 13. Wiener Ultraschall- und CT- Seminar, Mit Kursunterlagen, Nov. 10-11, 1995
- Das Kniegelenk - Bandapparat
7. Fleischmann D. Friedrich Olbert Interventioneller Workshop, January 18-20, 1996, Baden bei Wien
- Diagnose der Pulmonalembolie
8. Fleischmann D. Wissenschaftliche Sitzung der Österr. Ges. F. Lungenerkrankungen, February 28, 1996, Wien
- State of the Art: Röntgendiagnostik bei exogen allergischer Alveolitis
9. Fleischmann D. Wissenschaftliche Sitzung der Österr. Ges. F. Lungenerkrankungen, March 27, 1996, Wien
- Diagnose und Differentialdiagnose bei BOOP
10. Fleischmann D. 14. Wiener Schnittbildseminar, Mit Kursunterlagen, November 15-16, 1996
- Chronische interstitielle Lungenerkrankungen
- T- Staging des Bronchuskarzinoms
11. Fleischmann D. Vortrag am: Dept. of Physiologic Imaging, April 1997, Univ. of Iowa, Iowa City, IO, USA
- Potential clinical applications of functional imaging in pulmonary embolism and emphysema.
12. Fleischmann D. Seminar Lungenemphysem im Rahmen der Jahrestagung der Österreichischen Gesellschaft für Lungenerkrankungen und Tuberkulose, May 1997, Wien, AUSTRIA
- Das Lungenemphysem: Bildgebende Diagnostik
13. Fleischmann D. Seminar Pulmonalembolie im Rahmen der Jahrestagung der Österreichischen Gesellschaft für Lungenerkrankungen und Tuberkulose, May 1997, Wien, AUSTRIA
- Moderne bildgebende Abklärung der Pulmonalembolie
14. Fleischmann D. Österreichischer Röntgenkongreß, September 1999, Wien, AUSTRIA
- CT-Angiographie mit Multi-Detektor Spiral CT
15. Fleischmann D. Oberlech Diagnostik Kurs, April 6-8, 2000, Oberlech
- Virtuelle Endoskopie
16. Fleischmann D. European Society of Thoracic Imaging Annual Meeting ESTI'2000, June 18-20, 2000, Salzburg, AUSTRIA
- Multislice CT: Technique, Principles, Artifacts
17. Fleischmann D. 2nd Annual International Symposium on Multidetector-Row CT, June 22-24, 2000, San Francisco, CA
- Contrast Medium Delivery for MDCT: New Challenges
18. Fleischmann D. Dreiländertreffen der ÖGUM, DEGUM, SGUM, September 7-9, 2000, Wien, AUSTRIA
- PAVK im Methodenvergleich: CT - Angiographie
19. Fleischmann D. Symposium MR vs. CT - Gefäßdiagnostik, October 7, 2000, Gelsenkirchen, GERMANY
- CTA der peripheren Arterien
20. Fleischmann D. Wiener Schnittbildseminar, November 2000
- Multislice CT – Technische Grundlagen
21. Fleischmann D. Multislice CT Eröffnung, February 21, 2001, AKH Wien, AUSTRIA
- Multislice CT des Herzens

- Multislice CT – Angiographie
- 22. Fleischmann D. Vascular Imaging Workshop, March 18-23, 2001, Zuers, AUSTRIA
 - Peripheral CT - Angiography
 - Renal CT - Angiography
 - Mesenteric CT - Angiography
- 23. Fleischmann D. European Society of Thoracic Imaging ESTI, June 2001, Rome, ITALY
 - Issues around Multislice CT: Contrast Material Administration
- 24. Fleischmann D. 3rd International Symposium on Multiple Detector Row CT, June 21-23, 2001, San Francisco, CA
 - CTA of Peripheral Arterial Occlusive Disease
 - Image quality tradeoffs for acquisition parameter selection
 - Strategies of Contrast medium delivery for MD-CTA
- 25. Fleischmann D. Van Swieten Konress, September 20-22, 2001, Wien
 - Nicht-invasive Gefaessdiagnostik – CT Angiographie
- 26. Fleischmann D. Neuroradiologie Kurs, September 27-28, 2001, Gösing, AUSTRIA
 - Hirnversorgende Arterien – Anatomie, Morphologie, Untersuchungstechnik: CT - Angiographie
- 27. Fleischmann D. Multislice-CT im klinischen Einsatz. Protokoll Workshop, November 2-3, 2001, Zürich, SWITZERLAND
 - Multislice CT: Technische Grundlagen
 - Multislice CTA: Kontrastmittelapplikation
 - Kardiovaskuläre MSCT: Coronararterien, Periphere Arterien
- 28. Fleischmann D. Bracco - Review and Update on Contrast Medium Research and State-of-the-Art. January 18, 2002, Lugano, SWITZERLAND
 - Peripheral CT Angiography (pCTA)
- 29. Fleischmann D. European Congress of Radiology ECR'2002, March 1-5, 2002, Vienna, AUSTRIA
 - "Non-invasive Imaging of Peripheral Arteries". Refresher Course
- 30. Fleischmann D. Bracco Satellite Symposium – ECR'2002, March 1, 2002, Vienna, AUSTRIA
 - Present and future trends in MD-CT: CT – Angiography
- 31. Fleischmann D. MSCT Symposium, April 11-14, 2002, Palma de Mallorca, SPAIN
 - Principles and practice of contrast material application in MS-CT angiography
 - Peripheral CT – Angiography
- 32. Fleischmann D. 2nd International Symposium on Multidetector CT, April 18-20, 2002, Starnberg, GERMANY
 - Contrast Material Application at MD-CTA: Principles and Practice
 - Image Postprocessing for Peripheral CTA
- 33. Fleischmann D. 3rd International Symposium on MDCT and 3D Imaging, June 2002, Rome, ITALY
 - Principles of Contrast Medium Administration and Scan Timing for CT-Angiography
- 34. Fleischmann D. The Fleischner Society and The European Society of Thoracic Imaging 2002 Chest Conference, May 2002, Brugge, BELGIUM
 - Multiple Detector-Row CT: Basic Principles
- 35. Fleischmann D. 3rd Bracco Symposium on MDCT, June 14-15, 2002, Paris, FRANCE
 - CT-Angiography of the Renal and Mesenteric Vessels
 - Use of High concentration contrast media: Principles and rationale – vascular district
- 36. Fleischmann D. 4th International Symposium on Multidetector-Row CT, June 2002, San Francisco, CA
 - CTA of Peripheral Arterial Occlusive Disease
 - Strategies of Contrast Medium Administration for MD-CT
- 37. Fleischmann D. 2nd International Symposium on Multidetector-Row CT (MD-CT) and at Tokyo University, September 2002, Tokyo, JAPAN
 - Strategies of Contrast Medium Delivery for MD-CT
- 38. Fleischmann D. Categorical Course, CIRSE'2002 – Cardiovascular and Interventional Society of Europe, September 2002, Lucerne, SWITZERLAND
 - 3D Computer Assisted Vascular Lesion Evaluation and Treatment Planning: CTA
- 39. Fleischmann D. Clinical Fellowship in Multislice CT, September 2002, Vienna, AUSTRIA
 - Strategies of contrast material delivery for MD-CT
 - CT Angiography
- 40. Fleischmann D. Bracco Regional Meeting, October 2002, Tremezzo, ITALY
 - High concentration contrast medium delivery for multiple detector-row CT (MD-CT)
- 41. Fleischmann D. 10 Jahre Universitätsklinik für Radiodiagnostik, November 2002

- Multidetektor CT: 3D- Darstellungsverfahren, Analyse und innovative Bildbetrachtung
- Nicht-invasive Gefäßdiagnostik: CT – Angiographie
- 42. Fleischmann D. BRACCO open doors event, January 31, 2003, Geneva, SWITZERLAND
 - High-concentration CM delivery for MDCT
- 43. Fleischmann D. Invited Lecture, University of California Irvine Medical Center, February 25, 2003, Orange, CA
 - Principles and practice of contrast medium administration for MDCT
- 44. Fleischmann D. Clinical Fellowship in Multislice CT. Orange County Radiological Society. February 25, 2003, Orange, CA
 - Multiple detector row CTA: Technique, clinical applications
 - 2D and 3D visualization and treatment planning for CTA of the abdominal aorta and peripheral arteries
- 45. Fleischmann D. European Congress of Radiology, March 7-11, 2003, Vienna, AUSTRIA
 - High-concentration contrast media in MDCT-angiography: principles and rationale. Advances in vascular and cardiac MDCT imaging - Satellite symposium SY2
 - CT angiography. Refresher Course RC115, Non invasive imaging of peripheral arteries
 - Peripheral CT. Special Focus Session SF8c: Contrast media applications: Protocols for Multislice CT
- 46. Fleischmann D. Clinical Fellowship in Multislice CT. March 12-14, 2003, Vienna, AUSTRIA
 - Contrast medium delivery for MDCT
 - Multiple detector row CTA: Technique, clinical applications
- 47. Fleischmann D. UCSF/Stanford Vascular Surgery Meeting, May 3, 2003, San Francisco, CA
 - MDCT Angiography
- 48. Fleischmann D. American Roentgen Ray Society 103rd Annual Meeting, May 4-9, 2003, San Diego, CA (talk on 6th)
 - Non-invasive Imaging for Interventional Treatment Planning
- 49. Fleischmann D. 4th BRACCO Symposium on MDCT, May 9-10, 2003, Frankfurt, GERMANY
 - Use of high concentration contrast media (HCCM) in MDCT-Principles and Rationale (talk on May 9)
 - Renal and Mesenteric Vessels (talk on May 10)
- 50. Fleischmann D. 5th International Symposium on Multidetector-Row CT, June 25-27, 2003, San Francisco, CA
 - CTA of peripheral arterial occlusive disease
 - Here's the patient – now what do I do?
- 51. Fleischmann D. Institute for Advanced Medical Education, Sep 13-14, 2003, Washington, DC
 - Rationale for using high-concentration contrast media in MDCT
 - Peripheral CT - Angiography, Advances in Multidetector CT
- 52. Fleischmann D. 14th Annual ASER Scientific Meeting, October 22-26, 2003 (talks on 25th), Las Vegas, NV
 - Optimal Intravenous Contrast Medium Administration for MSCT
 - How to Image the Peripheral Vascular System with MSCT
- 53. Fleischmann D. MDCT Training for Contrast Medium Representatives, Bracco-Esai, October 31, 2003, Tokyo, JAPAN
 - Cardiovascular and abdominal applications of contrast-medium delivery for MDCT
- 54. Fleischmann D. 3rd International Symposium on Multidetector-row CT, November 1, 2003, Tokyo, JAPAN
 - High-concentration contrast media in multiple detector-row CT (MDCT)
 - Peripheral CT-angiography
- 55. Fleischmann D. Bracco Satellite Workshop during RSNA: Latest Trends in MDCT-Open Discussion, December 1, 2003, Chicago, IL
 - Rationale for Using High-Concentration Contrast Medium in CT–Angiography
- 56. Fleischmann D. Radiological Society of North America (RSNA) Scientific Assembly and Annual Meeting. December 3, 2003, Chicago, IL
 - Multidetector CT of the Vascular System (Refresher Course #550)
- 57. Fleischmann D. Diagnostic Imaging Update in Vail. Jan 12-16, 2004, Beaver Creek, CO
 - Technical Basics of MDCT
 - Mesenteric CTA
 - The aortic root and thoracic aorta: CTA and surgical anatomy
 - Peripheral CTA
 - Contrast medium delivery for MDCT
- 58. Fleischmann D. 3rd International Symposium on Multidetector CT. Jan 27-31 2004, Starnberg, Germany
 - Principles of contrast medium delivery for CTA
- 59. Fleischmann D. ECR Bracco Mini-Theater ('meet the expert'). Mar 06 2004, Vienna, Austria
 - Contrast and scan optimization in MDCT
- 60. Fleischmann D. BRACCO Satellite symposium, European Congress of Radiology, March 7, 2004, Vienna, Austria

- High-concentration contrast media in MDCT-angiography: principles and rationale
- 61. Fleischmann D. MRA vs. CTA Lunch symposium, American Roentgen Ray Society (ARRS) Annual Meeting, May 4, 2004, Miami, FL
 - CT Angiography: Techniques and contrast media
- 62. Fleischmann D. 5th Bracco Symposium on Multi-Detector CT, May 28-29, 2004, Bruxelles, Belgium
 - Use of high concentration contrast media in CT angiography - principles and practice
- 63. Fleischmann D. Special conference, Department of Radiology, June 3, 2004, University of Erlangen Nuernberg, Erlangen, Germany
 - Principles and practice of contrast medium delivery for multislice CT.
- 64. Fleischmann D. Invited lecture, MEDRAD Inc., Pittsburgh, PA(NO DATE)
 - Contrast medium injection for MDCT: Pharmacokinetics, Mathematical modeling, Clinical Application.
- 65. Fleischmann D. 6th Annual International Symposium on Multidetector-Row CT, June 23-26, 2004, San Francisco, CA
 - Optimizing contrast medium delivery for MDCT.
 - CT angiography (CTA) of peripheral arteries.
- 66. Fleischmann D. Applied Radiology Forum “The Use of Contrast in CT Angiography Applications” (GE/Amersham Focus Group Meeting), July 23, 2004, New York, NY
 - A Practical Approach to Contrast Delivery for Peripheral CTA
- 67. Fleischmann D. California Radiological Society Annual Meeting, Oct 2-3 2004, Newport Beach, CA
 - Cardiac CT
 - Vascular CT
- 68. Fleischmann D. Bracco MDCT Symposia, Oct 14 2004, Winterthur, Switzerland
 - Overview of MDCT Technology
 - Optimizing contrast medium delivery for MDCT
- 69. Fleischmann D. Bracco MDCT Symposia, Oct 15 2004, Berne, Switzerland
 - Optimizing contrast medium delivery for MDCT.
 - Overview of MDCT Technology
- 70. Fleischmann D. Bracco MDCT Workshop, Oct 16 2004, Vienna, Austria
 - Principles of contrast medium delivery for MDCT.
- 71. Fleischmann D. Radiological Society of North America (RSNA) Scientific Assembly and Annual Meeting. Nov 29 2004, Chicago, IL
 - Multidetector Row CT of the Vascular System (Refresher course 251)
- 72. Fleischmann D. Bracco Dinner Lecture, Nov 30 2004, Chicago, IL
 - CT Angiography – update and outlook
- 73. Fleischmann D. AIMS - Vascular Imaging Symposium, December 18, 2004, Sanya, Hainan, China
 - Contrast medium optimization in CT-angiography
 - Cardiothoracic CTA
 - Peripheral CTA
- 74. Fleischmann D. Bracco Satellite Symposium. European Congress of Radiology ECR'2005, March 6, 2005, Vienna, Austria
 - How to design injection protocols for MDCT-Angiography.
- 75. Fleischmann D. Bracco MDCT Workshop fuer CT Anwender March 12, 2005, Salzburg, Austria
 - Principles of Contrast Medium Delivery for MDCT.
- 76. Fleischmann D. Diagnostic Imaging in Kauai, March 28 – April 1, 2005
 - Contrast medium delivery for fast MDCT
 - Peripheral CTA
 - Mesenteric CTA
 - CTA of the Thoracic Aorta
- 77. Fleischmann D. ARRS – American Roentgen Ray Society, Apr 30-May 5 2006, Vancouver, Canada
 - IC401. MD-CT: Principles and Applications in the Thorax.
- 78. Fleischmann D. Somatom User Conference, May 13-14 2005, Rome, Italy
 - Optimizing CT Contrast Protocols
- 79. Fleischmann D. 6th Bracco Symposium on Multidetector CT, June 2-4, 2005, Munich, Germany
 - Contrast administration in CT-Angiography
- 80. Fleischmann D. 7th Annual International Symposium on Multidetector-Row CT, June 15-18, 2005, San Francisco, CA
 - Principles for maximizing image quality: scan reconstruction
 - Using high iodine concentration contrast medium. What value?

- Acute aortic syndromes: definitions and classifications
- Contrast delivery challenges and solutions for imaging lower extremity arteries
- Strategies for efficient interpretation of lower extremity CTA
- 81. Fleischmann D. Society of Computed Body Tomography and Magnetic Resonance (SBCT/MR) Non-Invasive Cardiovascular CT and MR Imaging and Breast MRI, July 30 2005, Philadelphia, PA
 - Thoraco-abdominal CTA
 - Extremity CT Angiography
- 82. Fleischmann D. Cardiovascular and Interventional Society of Europe (CIRSE), September 10, 2005, Nice, France
 - Controversies in peripheral vascular imaging – CTA
- 83. Fleischmann D. Advanced Imaging Multimodality Seminars – Non invasive Cardio-vascular imaging. Beijing (Nov 14), Nanjing (Nov 16), Guangzhou (Nov 17), 2005, China
 - MDCT and Peripheral Vascular Imaging
- 84. Fleischmann D. International MDCT Symposium, November 19, 2005, Tokyo, Japan
 - Multi-detector row CT: What Changes and what Challenges has it Brought?
 - Peripheral CT – Angiography
- 85. Fleischmann D. Radiological Society of North America (RSNA) Scientific Assembly and Annual Meeting. Dec 1, 2005, Chicago, IL
 - Topics in Aortic Imaging. Thoracic Aortic Aneurysm: From Annulus to Abdomen. RC712B
- 86. Fleischmann D. Cardiovascular Imaging Symposium, Dec. 16, 2005, Rome, Italy
 - Update on Contrast Agents: CT
 - Thoracic Aorta: CT
- 87. Fleischmann D. Diagnostic Imaging Update in Vail, Bachelor Gulch, JAN 9-13 2006, Beaver Creek, CO
 - CTA of the Thoracic Aorta (Jan 11)
 - 64-channel MDCT - What has changed (Jan 12)
 - Peripheral CTA (Jan12)
 - Cardiovascular CTA (Jan13)
- 88. Fleischmann D. 4. Internationales MDCT Symposium, Jan 18-21, 2006 Garmisch-Partenkirchen, Germany
 - Becken-Bein CT-Angiographie
- 89. Fleischmann D. 8th Annual Techniques in Interventional Radiology, Feb. 16-18 2006, Squaw Creek – Lake Tahoe, CA
 - Optimizing Contrast Medium Delivery for CT Angiography
 - Strategies for Overcoming Peripheral CTA Challenges
- 90. Fleischmann D. Bracco Satellite Symposium, European Congress of Radiology ECR'2006, March 6, 2006, Vienna, Austria
 - Peripheral CTA for interventional planning
- 91. Fleischmann D. The Expanding Role of MDCT: Protocols for Improving Results and Reducing Complications. March 31, 2006, Madrid, Spain
 - Shifting paradigms in CT practice: Injection protocols for 64-slice MDCT
- 92. Fleischmann D. Contrast Media and CT: Reducing Risk and Defining Best Practices, June 2-4 2006, Las Vegas, CA
 - How to Optimize Contrast Enhancement in CT Angiography
- 93. Fleischmann D. 8th Annual International Symposium on Multidetector-Row CT, June 14-17, 2006, San Francisco, CA
 - The physiologic speed limit of MDCT and its effect on protocol design
 - New capabilities of contrast injectors
 - Contrast delivery challenges and solutions for imaging lower extremity arterial occlusive disease
 - Imaging technique and surgical anatomy of the aortic root
- 94. Fleischmann D. Society of Computed Body Tomography and Magnetic Resonance (SBCT/MR) Non-Invasive Cardiovascular CT and MR Imaging and Breast MRI, Sept. 15-17, 2006 Boston, MA
 - Principles and Techniques of CM Administration
 - MDCT of the abdominal Aorta
- 95. Fleischmann D. NASCI (North American Society for Cardiac Imaging), October 6-9, 2006 Las Vegas, NV
 - Optimizing contrast medium delivery for peripheral CTA
 - Cardiac CT before and after aortic valve replacement
- 96. Fleischmann D. Radiological Society of North America (RSNA) Scientific Assembly and Annual Meeting. Nov 30, 2006, Chicago, IL
 - Thoracic Aortic Aneurysm: From Annulus to Abdomen. RC712B Topics in Aortic Imaging.
- 97. Fleischmann D. Diagnostic Imaging Update in Vail, Bachelor Gulch, JAN 8-12, 2007, Beaver Creek, CO
 - MDCT Technology: More Tubes, more Detector Rows, more Postprocessing

- Principles of contrast medium administration for MDCT.
 - Cardiac MDCT (Jan13)
 - CTA Cases and Quiz
98. Fleischmann D. ECR 2007, March 9, 2007; 08:30-10:00
 - Injecting contrast with ever faster scanners in Multidetector CT made easy
 99. Fleischmann D. IDKD International Diagnostic Course in Davos, March 24-30, Davos, SWITZERLAND
 - Clinical 3D and 4D imaging of the thoracic aorta
 100. Fleischmann D. Cardiac MRI & CT – Clinical Update. April 19-21, 2007 Cannes, FRANCE
 - Use and precautions of CT contrast agents
 101. Fleischmann D. AUR-Philips Academic Faculty Development Program. Society of University Radiologists, Denver, CO, Apr. 27 2007
 - Current Workflow and Clinical Issues roundtable: Cardiovascular Imaging
 102. Fleischmann D. 8th SOMATOM World Summit, May 4-5 2007, Berlin
 - Practical scanning and injection protocols for high-end CT scanners
 103. Fleischmann D. American Roentgen Ray Society Annual Meeting, May 6-11, Orlando, FL
 - Multidetector CT
 104. Fleischmann D. 9th International Symposium on Multidetector-Row CT, June 13-16, 2007, San Francisco, CA
 - How Fast Can and Should Contrast Medium Be Injected?
 - Integrated Scanning and Injection Protocols: The Paradigm Shift with 64- Channel MDCT
 - Aortic Dissection: What is Type A, What is Type B, and Why is it Not Enough ?
 - Ulcer-Like Lesions of the Aorta
 105. Fleischmann D. National Marfan Foundation (NMF) 23rd Annual Conference, July 12-15, 2007, Stanford, CA
 - Radiology
 106. Fleischmann D. Summer Symposium on State of the Art Imaging Presented by Stanford Radiology in partnership with the Japanese Society of Radiological Technology, July 24, 2007, Stanford, CA
 - ECG-gated CTA of the Aortic Root
 107. Fleischmann D. 1st Symposium on Multislice CT of Chinese Society of Radiology and Stanford University, School of Medicine, September 6-8, 2007, Shanghai, CHINA
 - Integrated Scanning and Injection Protocols for Cardiovascular CTA
 - 3D and 4D Imaging of the Aortic Root
 - Aortic Dissection and Its Variants: New Insights from CTA
 - Lower Extremity CTA
 108. Fleischmann D. North American Society for Cardiac Imaging 35th Annual Meeting and Scientific Sessions, October 5-9, 2007, Washington, DC
 - Triple R/O Imaging: Why We Shouldn't Do It
 - Dual Energy CT: Panacea or Fallacy for the Calcium Problem
 109. Fleischmann D. 7th International MDCT Symposium, November 17, 2007, Tokyo, JAPAN
 - Optimal Imaging in Lower Extremity CTA
 110. Fleischmann D. Radiological Society of North America Annual Meeting, November 25-30, 2007, Chicago, IL
 - Topics in Aortic Imaging: Thoracic Aortic Aneurysms: From Anulus to Hiatus (RC312)
 111. Fleischmann D. 16th Annual Winter Diagnostic Imaging Update, January 7-11, 2008, Vail, CO
 - Lower Extremity CTA
 - Acute Aortic Syndromes
 - Cardiac CT in the Emergency Setting (Including "Triple Rule Out")
 - 3D and 4D Pre- and Postoperative CT Imaging of the Thoracic Aorta Featuring: Live Rendering of Cases on 3D Workstation
 112. Fleischmann D. Internationales Symposium Mehrschicht CT, January 16-19, 2008, Garmisch, GERMANY
 - Contrast Medium Injection Strategies for Cardiovascular CT
 - Lower Extremity CT Angiography
 - CT Angiography of the Aorta: The Next Dimension
 113. Fleischmann D. AATS Adult Cardiac Symposium, May 11, 2008, San Diego, CA
 - CTA
 114. Fleischmann D. 10th Annual International Symposium on Multidetector-Row CT, May 13-16, 2008, Las Vegas, NV
 - Penetrating Atherosclerotic Ulcers and Other Ulcer-Like Lesions of the Aorta
 - Intramural Hematoma Is Not a Disease
 - Lower Extremity CTA in 2008: When Is It Most Useful?

- Technical Tips for Aortic Root Imaging
- 115. Fleischmann D. Applied Radiology Forum “Minimizing Radiation Risks in CT Imaging” May 18, 2008 San Francisco, CA
 - Practical Dose Reduction Strategies in Cardiac CT
- 116. Fleischmann D. Cardiovascular System in Health and Disease: Fundamentals for the Medical Device Industry, Stanford Center for Professional Development, June 18, 2008, Stanford, CA
 - Cardiovascular CT Techniques
- 117. Fleischmann D. Current Topics in Noninvasive Cardiovascular Imaging & Advanced Radiology Life Support, June 22-27, 2008, La Jolla, CA
 - Imaging of the Thoracic Aorta
 - Injection Protocols: The Paradigm Shift with 64-Channel MDCT
- 118. Fleischmann D. SCBT/MR 2008 Summer Practicum, August 10-14, 2008, Napa Valley, CA
 - Lower Extremity CTA
 - Understanding Contrast Medium Dynamics for Cardiovascular MDCT
 - The ABCs of Aortic Dissection and Its Variants
- 119. Fleischmann D. ARRS – Advances in Body Imaging Course, October 17-18, 2008, San Francisco, CA
 - Thoracic CTA
 - CTA of Abdominal Vessels
- 120. Fleischmann D. 11th Annual International Symposium on Multidetector-Row CT, May 19-22, 2009, San Francisco, CA
 - Understanding Arterial Contrast Medium Dynamics for Cardiovascular CT.
 - How to Control Arterial Enhancement for Subsecond Scans
 - In Search of the Intimomedial Flap: Unusual Type A Dissections
 - Complicated Type B Dissections
- 121. Fleischmann D. 2nd Symposium on Multislice CT of the Chinese Society of Radiology & Stanford University, School of Medicine, August 13-15, 2009, Dalian, CHINA
 - Injection Protocol Design for fast Cardiovascular CT
 - 3D and 4D Imaging of the Aortic Root
 - Acute Aortic Dissection: New Insights from CT
 - In Pursuit of the Heart – History of Cardiac CT (Keynote Lecture)
- 122. Fleischmann D. 'Meet the Expert' Visiting Professor Lecture, October 15, 2009 Niigata University, JAPAN
 - Lower Extremity CT–Angiography
- 123. Fleischmann D. 9th International MDCT Symposium October 13, 2009 Tokyo, JAPAN
 - Acute Aortic Dissection: New Insights from CT
- 124. Fleischmann D. RC412 Topics in Aortic Imaging: Radiological Society of North America (RSNA) 94th Scientific Assembly and Annual Meeting Dec 01, 2009, Chicago, IL (Refresher Course)
 - The ABCs of aortic dissection
- 125. Fleischmann D. ISCT – 12th Annual International Symposium on Multidetector Row CT. May 17-23, 2010 San Francisco, CA
 - Mechanisms of side branch ischemia in aortic dissection
 - Patient & Scan Specific Contrast Medium Dosing: How and Why?
 - Power Injectors are Becoming Smarter
- 126. Fleischmann D. 3rd Stanford Computed Tomography Workshop: RADIATION DOSE AND CONTRAST MEDIA IN NEURO & BODY CT Stanford University, Lucas Learning Center; Jun 6, 2010, Stanford, CA
 - Scanning and Radiation Dose Parameters in CT
 - Contrast Medium Induced Nephrotoxicity (CIN) Precautions and policies in patients with decreased renal function
 - Physiologic Basis of Contrast Medium Injection Strategies for Vascular, Neuro, and Abdominal CT
 - 2D and 3D Abdominal Vascular Anatomy and Pathology
- 127. Fleischmann D. Jul. 15-17, 2010, 18th Annual Summer Diagnostic Imaging Update, July 13-16, 2010 Four Seasons Hotel, Whistler, BC, Canada
 - Acute Aortic Syndrome: Part 1: Aortic Dissection
 - Acute Aortic Syndrome, Part 2: Intramural Hematoma (IMH) and Penetrating Atherosclerotic Ulcer (PAU)
 - Pre- and Postoperative Imaging of the Aortic Root
 - CT Technology Update
- 128. Fleischmann D. Society of Computed Body Tomography and MR, SUMMER PRACTICUM, Aug. 8-11, 2010 Grand Teton National Park, Wyoming
 - 3D and 4D Imaging of the Aortic Root
 - Aortic Dissection and its Complications

129. Fleischmann D. Association for Radiologic & Imaging Nursing (ARIN), Golden Gate Chapter Oct. 23, 2010; Stanford Medicine Outpatient Center, Redwood City, CA
 - Radiation Exposure and Radiation Parameters in Computed Tomograph
130. Fleischmann D. 4th Stanford Computed Tomography Workshop: RADIATION DOSE AND CONTRAST MEDIA IN NEURO & BODY CT Stanford University, Lucas Learning Center; Nov 18, 2010, Stanford, CA
 - Scanning and Radiation Dose Parameters in CT
 - Contrast Medium Induced Nephrotoxicity (CIN) Precautions and policies in patients with decreased renal function
 - Physiologic Basis of Contrast Medium Injection Strategies for Vascular, Neuro, and Abdominal CT
 - 2D and 3D Abdominal Vascular Anatomy and Pathology
131. Fleischmann D. RC612A Topics in Aortic Imaging. Radiological Society of North America (RSNA) 96th Scientific Assembly and Annual Meeting Dec 02, 2010, Chicago, IL (Refresher Course)
 - The ABCs of aortic dissection
132. Fleischmann D. Imaging at Bachelor Gulch January 4-5, 2011, Ritz Carlton Bachelor Gulch, Beaver Creek, CO
 - CT Radiation dose 101
 - Aortic dissection and its variants
 - 3D Minisymposium (live cases)
 - Physiologic basis of contrast enhancement
 - Lower extremity CTA and CTV
133. Fleischmann D. 43rd International Diagnostic Course Davos, Diseases of the Heart, Chest & Breast. Apr 3-8, 2011, DAVOS, SWITZERLAND
 - Clinical Applications of 3D Imaging in Thoracic Vascular Pathology: 3D and 4D Imaging in Acute Aortic Syndrome
134. Fleischmann D. Grand Rounds (Visiting Professor) at the University Hospital Graz, May 16-17, 2011, Graz, Austria
135. Fleischmann D. ISCT – 13th Annual International Symposium on Multidetector-Row CT, June 13-16, 2011, San Francisco, CA
 - How low can we go? Dose Reduction with Iterative Reconstruction
 - Nuances of ECG gating for aortic root CTA
136. Fleischmann D. Summer Symposium on State of the Art Imaging Presented by Stanford Radiology in partnership with the Japanese Society of Radiological Technology, July 26, 2011, Stanford, CA
 - Radiation Dose Reduction in Cardiac CT
 - 3D & 4D Imaging of the Aortic Root
137. Fleischmann D. XXXVI Colombian Congress of Radiology, August 4-6, 2011, Cartagena, COLOMBIA.
 - Aortic Dissection and its Variants
 - Intramural hematoma and penetrating atherosclerotic ulcer
 - Abdominal CTA – update
 - Lower extremity CTA
138. Fleischmann D. CME Course: Imaging in Hawaii, September 27-30, 2011, Kauai, HI
 - CT technology update
 - Protocol design for cardiovascular CT
 - Lower extremity CTA
 - Acute aortic syndrome I: classic dissection
 - Acute aortic syndrome II: IMH, PAU, and leaking aneurysm
 - Incidental cardiovascular findings: What would you recommend?
139. Fleischmann D. Radiological Society of North America (RSNA) 97th Scientific Assembly and Annual Meeting, November 27-December 2, 2011, Chicago, IL
 - Aorta: Treatment Planning and Follow-up (An Interactive Session) (Refresher Course- RC112)
 - Lower Extremity Venous Imaging and Intervention (Refresher Course- RC212)
 - Incidental Cardiovascular Findings: Interactive Interpretation with the Experts (Refresher Course- RC312)
 - Vascular Diseases in Young Adults (Refresher Course- RC412)
 - Renal and Visceral CT Angiography and MR Angiography (Refresher Course- RC712)
 - Acute Aortic Disorders (An Interactive Session) (Refresher Course- RC812)
 - Aortic Dissection and Variants (Refresher Course- RC812A)
 - Intramural Hematoma and Penetrating Atherosclerotic Ulcer (Refresher Course- RC812C)
 - Vascular Imaging Series: MR Angiography—Strategies for Technique Optimization (Multisession Course)
 - Vascular Imaging Series: CT Angiography—Strategies for Technique Optimization (Multisession Course)
140. Fleischmann D. 7th International MDCT Symposium, January 12-14, 2012, Garmisch, GERMANY
 - Der Akute Thoraxschmerz

141. Fleischmann D. Innovative Treatments for Aortic Valve Replacement (TAVR) Conference, February 4, 2012, Stanford, CA
 - Imaging of the Aortoiliac and Femoral Vessels and Preoperative Assessment for TAVR
142. Fleischmann D. American College of Cardiology Annual Meeting, March 24-27, 2012, Chicago, IL
 - Computed Tomography Based Prediction of Angiographic Deployment Angles May Reduce Procedure Time and Contrast Medium Volume for Transcatheter Aortic Valve Replacement (Poster Presentation)
143. Fleischmann D. 27th International Congress of Radiology, May 3-6, 2012, BRAZIL
 - Calcium Score: How to Interpret and Use in the Clinical Routine
 - CT Angiography of the Aorta

G. MAJOR TEACHING ACTIVITIES

1. Medical Students (Course numbers, hours)

- RAD 301A, Radiology Clerkship (Aortic Imaging)
- Clerkship, Cardiovascular 3D Imaging: Michael Ma (cardiothoracic surgery): **clerkship** (3/29-4/23)

2. Residents/Fellows

RESIDENT CONFERENCES in thoracic and cardiovascular imaging. including board review conferences. Case-based or lecture-style conferences included the following topics:

CARDIOVASCULAR:

- aortic emergencies: dissection, and it's variants and mimics, PAU, IMH, trauma
- thoracoabdominal aorta
- surgical anatomy of the aortic root and thoracic aorta
- endoleaks after AAA repair
- coronary CTA

COMPUTED TOMOGRAPHY:

- basic principles, technique and applications of ECG-gated MDCT
- radiation dose in MDCT
- contrast medium injection principles

FELLOW LECTURES: CARDIOVASCULAR BOOTCAMP: Introductory Course for Cardiovascular Imaging Fellows, incl. Body-, Chest, and Pediatric Fellow Participation in select topics; The bootcamp takes place every MON-THU in the months of JUL and AUG, 17:15-18:45

- Principles of Cardiovascular CT - CT Contrast Dynamics, -- Aorta I, Surgery, acute aortic syndromes Aorta II, Runoff embryology, anatomy, Coronary CTA, Radiation Dose

CARDIOLOGY AND CARDIOTHORACIC SURGERY RESIDENT/FELLOW CONF. (Mon. noon, Falk Bldg. Library)

- Coronary CTA, CTA of aortic root

3. Postgraduate (Visiting Students, Fellows)

2004-2006, Justus Roos, MD, Research Fellow (University of Zurich, Switzerland)

2007 Pietro Sedati MD Reseach Fellow (University of Rome, Italy).

2008 Francesca Caravani MD Research Fellow, University of Rome, Italy

2009 Federica Ciolina, Diploma Student, University of Rome, Italy

2007-2009 Takuya Ueda, MD PhD, Chiba University Hospital, Chiba, Japan

2010 Stephen Cheung, MD, Visiting Fellow, China

2010 Ibraheem El-Mogy, MD, Visiting Fellow, Egypt

2010 Kathy Wong, MD, Visiting Fellow, China

4. Doctoral/Postdoctoral Research Mentorship

Tejas Rakshe. PhD Student in electrical engineering, working on peripheral vessel visualization of peripheral CTA datasets. Located in the Clark Center part of the 3D-Lab. (s.a. unfunded research)

David N. Tran. Medical Student. "Contralateral shape information for interpolating femoropopliteal arterial occlusions' and 'dual-energy CT for lower extremity CTA' (funded by Stanford Med. Scholars Program and American Heart Association)

Varinder Phangureh. Medical Student. "Long-term follow up of stentgraft migration in AAA."

Catherine Dao, M.D.: Postdoctoral Fellow, Cardiology (interdisciplinary imaging fellowship): Multimodality, multidimensional imaging of the aortic root (3D and 4D CTA, 3D Echocardiography)

5. Research Workshops

1. 1st annual peripheral CTA - project meeting. Vienna Medical Academy, Fri, 18 May 2001; 13:30 - 18:00 (20 participants)

2. AngioVis Workshop. Mon, 25.Oct.2004, Vienna, Austria

H. GRANT SUPPORT

Active

Source: National Institutes of Health (R01 EB006837)
Title: Inverse Geometry CT for Dose-efficient Volumetric Imaging
Role: Other Investigator
Period: 9/2006-8/2012
Amount: 314,215 USD
Goal: The goal of this research is the development of a novel CT system, based on multiple x-ray sources arranged on a wide array and a small detector system. Such a system can overcome geometric limitation of current CT cone-beam systems.

Source: Austrian Science Fund - Translational Research Grant (TRP 67-N23)
PI: Milos Sramek, PhD
Title: KASI – Knowledge Assisted Sparse Interaction for Peripheral CT (AngioVis III)
Role: International Collaborator and Initiator
Period: 9/2010-08/2013
Amount: 280,000 EUR
Goal: To develop a new data centric approach to interaction with visualization tools, which would open to the user the ever growing plethora of visualization techniques and data types in an intuitive and predictable way. We call this new interaction paradigm knowledge assisted sparse interaction (KASI). This approach would be an antipole to the traditional tool-oriented interaction, where an application offers a set of tools for processing and interaction and lets the user decide, which are the appropriate ones and in which order they should be applied.

Pending

Source: NIH
PI: Pelc, Norbert
Title: Dynamic bowtie attenuator for CT dose reduction and dynamic range control
Role: Co-Investigator
Period: 7/2012-6/2014
Amount: 125,000 USD

Goal: To reduce radiation exposure from CT exams, we will develop an x-ray attenuator that will customize the radiation field to each specific patient, body section and viewing direction. The result will be a low cost and very effective method to directly reduce patient dose and at the same time improve CT performance and enable the use of new x-ray detectors that should reduce dose even further.

Past

Source: *American Recovery and Reinvestment Act of 2009 (1 RC1 EB011443-01)* (NIBIB 05-EB-105)
PI: Zarins, CK

Title: Resistance to Aortic Endograft Migration: Comparative Effectiveness of FDA Approved Devices

Role: Coinvestigator

Period: 2010-2011

Amount: 998,000 USD

Goal: The goal of this study is to compare the effectiveness of the FDA approved endovascular devices to resist displacement by hemodynamic forces in a wide range of aneurysm geometries and under varying hemodynamic conditions. Each of the 5 approved AAA devices and 3 approved thoracic devices will be tested and compared under similar conditions. Toward this end, we will combine 3D imaging, segmentation, Computational Fluid Dynamics (CFD) and Computational Solid Mechanics techniques to perform an analysis of the in vivo loading conditions experienced by the endografts, perform longitudinal studies describing the forces experienced by the devices over time, and estimate their likelihood of migration. The specific aims of this study are to develop and use novel computational tools (specific aims 1-3) and then use these tools to perform a number of clinical studies (specific aims 4-6).

Source: Austrian Science Fund - Translational Research Grant (L-291)
PI: Milos Sramek, PhD

Title: Clinical Visualization Tools for Peripheral CT-Angiography (AngioVis II)

Role: International Collaborator and Initiator

Period: 1/2006-08/2009

Amount: 202,000 EUR

Goal: to extend, improve and integrate previous basic-research developments into a clinically applicable set of new interactive and user friendly tools - the AngioVis Toolbox - for fast routine processing of peripheral CT angiograms in patients with peripheral arterial occlusive disease.

Source: American Heart Association, Western States Affiliate Medical Student Research Award Program
Awarded to: David N. Tran (medical student)

Title: Automated vascular centerline interpolation through arterial occlusions in CTA datasets of patients with PAOD

Role: Faculty lead

Period: 2006/07

Goal: to develop and test a new algorithm based on anatomic symmetry for automated centerline extraction in patients with peripheral arterial occlusive disease.

Source: Swiss National Foundation
awarded to Justus Roos, MD, as a postdoctoral fellowship (Stanford)

Title: Knowledge-based classification and visualization of lower extremity arteries in patients with peripheral arterial occlusive disease.
Role: Faculty advisor.
Period: 1/2005-12/2005
Amount: 65,000 USD
Goal: To develop and explore new, knowledge-based algorithms for automated or semiautomated segmentation of peripheral arteries using a semantic network approach.

Source: European Association of Radiology / European Congress of Radiology '99
Title: Optimizing Bolus Geometry for CT-angiography of the pulmonary arteries
Role: Principle Investigator
Period: 1/2000-12/2000
Amount: 150,000 ATS (11.000 EUR)
Goal: To develop a technique for individually customized contrast medium delivery to achieve uniform vascular enhancement at predefined levels in pulmonary CT angiography.

Source: Austrian Science Fund (FWF Project # P-15217 INF)
Title: Visualization Tools for CT angiography of peripheral vascular disease
Role: Principle Investigator
Period: 04/2002 – 06/2004
Amount: 1.8Mio ATS (130.000 EUR)
Goal: To develop and validate new, time efficient methods for computer aided visualization and treatment planning in patients with peripheral arterial occlusive disease (PAOD), imaged with CT angiography.

H2. Clinical Trial (multicenter)

Active

Source: *National Institute of Health (Duke Clinical Research Insitutute) – subcontract (NCT01174550)*
Title: The PROMISE Trial - PROspective Multicenter Imaging Study for Evaluation of Chest Pain
Role: Site Co-PI (with M.V. McConnell, Cardiology)
Period: 2011 (two year enrollment)
Amount: 141,000 USD (subcontract)
Goal: The purpose of this multicenter study is to determine whether an initial non-invasive anatomic imaging strategy with coronary CT angiography (CTA) will improve clinical outcomes in subjects with symptoms concerning for coronary artery disease relative to an initial functional testing strategy (usual care)