


## Dominik Fleischmann

Professor of Radiology (Cardiovascular Imaging) at the Stanford University Medical Center

 NIH Biosketch available Online

 Curriculum Vitae available Online

### CLINICAL OFFICES

- **Department of Radiology CV Imaging Division**

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### ACADEMIC CONTACT INFORMATION

- **Alternate Contact**

Jean Sullivan

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### Bio

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### CLINICAL FOCUS

- Cardiovascular Imaging
- Diagnostic Radiology
- Radiology

### ACADEMIC APPOINTMENTS

- Professor - Med Center Line, Radiology
- Member, Bio-X
- Member, Cardiovascular Institute

### ADMINISTRATIVE APPOINTMENTS

- Director, Computed Tomography, Stanford Hospital and Clinics, (2008- present)
- Chief, Cardiovascular Imaging, Department of Radiology, (2011- present)
- Medical Director, 3DQ Lab, Department of Radiology, (2012- present)

### HONORS AND AWARDS

- Deputy Editor, Radiology Cardiothoracic Imaging (2019 -)
- Fellow, American Heart Association

### PROFESSIONAL EDUCATION

- Research Fellowship, Stanford University School of Medicine , Cardiovascular Imaging (1999)
- Board Certification: Diagnostic Radiology, Austria Medical Chamber (1997)
- Residency: University of Vienna (1997) Austria
- Internship: AO Krankenhaus Allentsteig (1991) Austria
- MD, University of Vienna, Austria , Medicine (1989)

- Medical Education: University of Vienna Medical School (1989) Austria

## Research & Scholarship

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### CURRENT RESEARCH AND SCHOLARLY INTERESTS

Non-invasive Cardiovascular Imaging

Image Post-processing

Contrast Medium Dynamics

### CLINICAL TRIALS

- 2019-06 TRISCEND Study, Recruiting
- Diagnostic Performance of Coronary CT Angiography With CT FFR in Kidney Transplantation Candidates, Recruiting
- Perfusion CT as a Predictor of Treatment Response in Patients With Hepatic Malignancies, Not Recruiting
- Perfusion CT as a Predictor of Treatment Response in Patients With Rectal Cancer, Not Recruiting
- Perfusion CT Monitoring to Predict Treatment Efficacy in Renal Cell Carcinoma, Not Recruiting
- Prognostic Value of Baseline Computed Tomography (CT) Perfusion Parameters of Pancreatic Cancer for Patients Undergoing Stereotactic Body Radiotherapy or Surgical Resection, Not Recruiting

## Teaching

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### COURSES

#### 2020-21

- Introduction to Cardiac Image Processing Techniques: RAD 202 (Spr)

#### 2019-20

- Introduction to Cardiac Image Processing Techniques: RAD 201SI (Spr)

#### 2018-19

- Introduction to Cardiac Image Processing Techniques: RAD 201SI (Spr)

#### 2017-18

- Introduction to Cardiac Image Processing Techniques: RAD 201SI (Spr)

### STANFORD ADVISEES

#### Postdoctoral Faculty Sponsor

Marina Codari, Domenico Mastrodicasa, Valery Lynn Turner

## Publications

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### PUBLICATIONS

- **Fluid-structure interaction simulations of patient-specific aortic dissection.** *Biomechanics and modeling in mechanobiology*  
Baumler, K., Vedula, V., Sailer, A. M., Seo, J., Chiu, P., Mistelbauer, G., Chan, F. P., Fischbein, M. P., Marsden, A. L., Fleischmann, D.  
2020
- **Aortic growth and development of partial false lumen thrombosis are associated with late adverse events in type B aortic dissection.** *The Journal of thoracic and cardiovascular surgery*  
Higashigaito, K. n., Sailer, A. M., van Kuijk, S. M., Willeminck, M. J., Hahn, L. D., Hastie, T. J., Miller, D. C., Fischbein, M. P., Fleischmann, D. n.  
2019
- **Acute Limited Intimal Tears of the Thoracic Aorta.** *Journal of the American College of Cardiology*

- Chin, A. S., Willeminck, M. J., Kino, A. n., Hinostrroza, V. n., Sailer, A. M., Fischbein, M. P., Mitchell, R. S., Berry, G. J., Miller, D. C., Fleischmann, D. n.  
2018; 71 (24): 2773–85
- **Computed Tomography Imaging Features in Acute Uncomplicated Stanford Type-B Aortic Dissection Predict Late Adverse Events** *CIRCULATION-CARDIOVASCULAR IMAGING*  
Sailer, A. M., Van Kuijk, S. M., Nelemans, P. J., Chin, A. S., Kino, A., Huininga, M., Schmidt, J., Mistelbauer, G., Baeumler, K., Chiu, P., Fischbein, M. P., Dake, M. D., Miller, et al  
2017; 10 (4)
  - **Prognostic significance of early aortic remodeling in acute uncomplicated type B aortic dissection and intramural hematoma.** *The Journal of thoracic and cardiovascular surgery*  
Sailer, A. M., Nelemans, P. J., Hastie, T. J., Chin, A. S., Huininga, M. n., Chiu, P. n., Fischbein, M. P., Dake, M. D., Miller, D. C., Schurink, G. W., Fleischmann, D. n.  
2017; 154 (4): 1192–1200
  - **Evaluation of Two Iterative Techniques for Reducing Metal Artifacts in Computed Tomography** *RADIOLOGY*  
Boas, F. E., Fleischmann, D.  
2011; 259 (3): 894-902
  - **Computed tomography-old ideas and new technology** *EUROPEAN RADIOLOGY*  
Fleischmann, D., Boas, F. E.  
2011; 21 (3): 510-517
  - **Dual-energy CT Discrimination of Iodine and Calcium: Experimental Results and Implications for Lower Extremity CT Angiography** *ACADEMIC RADIOLOGY*  
Tran, D. N., Straka, M., Roos, J. E., Napel, S., Fleischmann, D.  
2009; 16 (2): 160-171
  - **An improved algorithm for femoropopliteal artery centerline restoration using prior knowledge of shapes and image space data** *MEDICAL PHYSICS*  
Rakshe, T., Fleischmann, D., Rosenberg, J., Roos, J. E., Straka, M., Napel, S.  
2008; 35 (7): 3372-3382
  - **Femoropopliteal artery centerline interpolation using contralateral shape** *MEDICAL PHYSICS*  
Tran, D. N., Fleischmann, D., Rakshe, T., Roos, J. E., Rosenberg, J., Straka, M., Napel, S.  
2007; 34 (9): 3428-3435
  - **Multipath curved planar reformation of the peripheral arterial tree in CT angiography** *RADIOLOGY*  
Roos, J. E., Fleischmann, D., Koechl, A., Rakshe, T., Straka, M., Napoli, A., Kanitsar, A., Sramek, M., Groeller, E.  
2007; 244 (1): 281-290
  - **Knowledge-based interpolation of curves: Application to femoropopliteal arterial centerline restoration** *MEDICAL IMAGE ANALYSIS*  
Rakshe, T., Fleischmann, D., Rosenberg, J., Roos, J. E., Napel, S.  
2007; 11 (2): 157-168
  - **Quantification of intravenously administered contrast medium transit through the peripheral arteries: Implications for CT angiography** *RADIOLOGY*  
Fleischmann, D., Rubin, G. D.  
2005; 236 (3): 1076-1082
  - **Non-Linear Model Fitting to Parameterize Diseased Blood Vessels** *IEEE Visualization 2004*  
La Cruz A, Straka M, Köchl A, Sránek M, Gröller E, Fleischmann D  
2004: 393-400
  - **VesselGlyph: Focus & Context Visualization in CT-Angiography** *IEEE Visualization 2004*  
Straka M, Cervenanský M, La Cruz A, Köchl A, Sránek M, Gröller E, Fleischmann D  
2004: 385-392
  - **CPR - Curved Planar Reformation** *IEEE Visualization 2002*  
Kanitsar A, Fleischmann D, Wegenkittl R, Felkel P, Gröller E  
2002: 37-44

- **Accuracy of predicting and controlling time-dependent aortic enhancement from a test bolus injection** *JOURNAL OF COMPUTER ASSISTED TOMOGRAPHY*  
Hittmair, K., Fleischmann, D.  
2001; 25 (2): 287-294
- **Quantitative determination of age-related geometric changes in the normal abdominal aorta** *JOURNAL OF VASCULAR SURGERY*  
Fleischmann, D., Hastie, T. J., Dannegger, F. C., Paik, D. S., Tillich, M., Zarins, C. K., Rubin, G. D.  
2001; 33 (1): 97-105
- **Improved uniformity of aortic enhancement with customized contrast medium injection protocols at CT angiography** *RADIOLOGY*  
Fleischmann, D., Rubin, G. D., Bankier, A. A., Hittmair, K.  
2000; 214 (2): 363-371
- **Mathematical analysis of arterial enhancement and optimization of bolus geometry for CT angiography using the discrete Fourier transform** *JOURNAL OF COMPUTER ASSISTED TOMOGRAPHY*  
Fleischmann, D., Hittmair, K.  
1999; 23 (3): 474-484
- **Three-dimensional spiral CT cholangiography in patients with suspected obstructive biliary disease: Comparison with endoscopic retrograde cholangiography** *80th RSNA Scientific Assembly*  
Fleischmann, D., Ringl, H., Schofl, R., Potzi, R., Kontrus, M., Henk, C., Bankier, A. A., Kettenbach, J., Mostbeck, G. H.  
RADIOLOGICAL SOC NORTH AMERICA.1996: 861-68
- **Semiautomated Characterization of Carotid Artery Plaque Features From Computed Tomography Angiography to Predict Atherosclerotic Cardiovascular Disease Risk Score.** *Journal of computer assisted tomography*  
Zhu, G. n., Li, Y. n., Ding, V. n., Jiang, B. n., Ball, R. L., Rodriguez, F. n., Fleischmann, D. n., Desai, M. n., Saloner, D. n., Gupta, A. n., Saba, L. n., Hom, J. n., Wintermark, et al  
; 43 (3): 452-59
- **Fully Automated Quantification Method (FQM) of Coronary Calcium in an Anthropomorphic Phantom.** *Medical physics*  
van Praagh, G. D., van der Werf, N. R., Wang, J., van Ommen, F., Poelhekkens, K., Slart, R. H., Fleischmann, D., Greuter, M. J., Leiner, T., Willeminck, M. J.  
2021
- **Emerging methods for the characterization of ischemic heart disease: ultrafast Doppler angiography, micro-CT, photon-counting CT, novel MRI and PET techniques, and artificial intelligence.** *European radiology experimental*  
Willeminck, M. J., Varga-Szemes, A., Schoepf, U. J., Codari, M., Nieman, K., Fleischmann, D., Mastrodicasa, D.  
2021; 5 (1): 12
- **CTA pulmonary artery enlargement in patients with severe aortic stenosis: Prognostic impact after TAVR.** *Journal of cardiovascular computed tomography*  
Turner, V. L., Jubran, A., Kim, J. B., Maret, E., Moneghetti, K. J., Haddad, F., Amsallem, M., Codari, M., Hinostroza, V., Mastrodicasa, D., Sailer, A. M., Kobayashi, Y., Nishi, et al  
2021
- **An international survey on AI in radiology in 1,041 radiologists and radiology residents part 1: fear of replacement, knowledge, and attitude.** *European radiology*  
Huisman, M., Ranschaert, E., Parker, W., Mastrodicasa, D., Koci, M., Pinto de Santos, D., Coppola, F., Morozov, S., Zins, M., Bohyn, C., Koc, U., Wu, J., Veean, et al  
2021
- **Semi-automatic vessel detection for challenging cases of peripheral arterial disease.** *Computers in biology and medicine*  
Mistelbauer, G., Morar, A., Scherthaner, R., Strassl, A., Fleischmann, D., Moldoveanu, F., Groller, M. E.  
2021; 133: 104344
- **Aortic Dissection and Other Acute Aortic Syndromes: Diagnostic Imaging Findings from Acute to Chronic Longitudinal Progression.** *Radiographics : a review publication of the Radiological Society of North America, Inc*  
Murillo, H., Molvin, L., Chin, A. S., Fleischmann, D.  
2021; 41 (2): 425-46
- **Aorto-iliac/right leg arterial thrombosis necessitating limb amputation, pulmonary arterial, intracardiac, and ilio-caval venous thrombosis in a 40-year-old with COVID-19.** *Clinical imaging*  
Madani, M. H., Leung, A. N., Becker, H. C., Chan, F. P., Fleischmann, D. n.

2021; 75: 1–4

- **A discrete approach for modeling degraded elastic fibers in aortic dissection** *COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING*  
Rolf-Pissarczyk, M., Li, K., Fleischmann, D., Holzapfel, G. A.  
2021; 373
- **Extravasation Volume at Computed Tomography Angiography Correlates With Bleeding Rate and Prognosis in Patients With Overt Gastrointestinal Bleeding.** *Investigative radiology*  
Tse, J. R., Shen, J. n., Shah, R. n., Fleischmann, D. n., Kamaya, A. n.  
2021
- **Spectral photon-counting CT in cardiovascular imaging.** *Journal of cardiovascular computed tomography*  
Sandfort, V., Persson, M., Pourmorteza, A., Noel, P. B., Fleischmann, D., Willeminck, M. J.  
2020
- **Endovascular Aortic Repair After Proximal Stent Graft Migration of a Modified Frozen Elephant Trunk.** *Innovations (Philadelphia, Pa.)*  
Dalal, A. R., Pedroza, A. J., Iwakoshi, S. n., Lee, J. T., Fleischmann, D. n., Watkins, A. C.  
; 15 (2): 169–72
- **Delivery of hepatocyte growth factor mRNA from nanofibrillar scaffolds in a pig model of peripheral arterial disease.** *Regenerative medicine*  
S Zaitseva, T., Yang, G., Dionyssiou, D., Zamani, M., Sawamura, S., Yakubov, E., Ferguson, J., Hallett, R. L., Fleischmann, D., Paukshto, M. V., Huang, N. F.  
2020
- **Dramatic Case of Paradoxical Embolism.** *Radiology. Cardiothoracic imaging*  
Pogatchnik, B. P., Fleischmann, D.  
2020; 2 (4): e200360
- **The Project Baseline Health Study: a step towards a broader mission to map human health** *NPJ DIGITAL MEDICINE*  
Arges, K., Assimes, T., Bajaj, V., Balu, S., Bashir, M. R., Beskow, L., Blanco, R., Califf, R., Campbell, P., Carin, L., Christian, V., Cousins, S., Das, et al  
2020; 3 (1): 84
- **Impact of right ventricular volumes on the outcomes of TAVR: a volumetric analysis of preprocedural computed tomography** *EUROINTERVENTION*  
Rozenbaum, Z., Maret, E., Lax, L., Shmilovich, H., Finkelstein, A., Steinvil, A., Halkin, A., Banai, S., Cohen, D., Topilsky, Y., Berliner, S., Fleischmann, D., Aviram, et al  
2020; 16 (2): E121–+
- **CT-based True- and False-Lumen Segmentation in Type B Aortic Dissection Using Machine Learning.** *Radiology. Cardiothoracic imaging*  
Hahn, L. D., Mistelbauer, G., Higashigaito, K., Koci, M., Willeminck, M. J., Sailer, A. M., Fischbein, M., Fleischmann, D.  
2020; 2 (3): e190179
- **Deep Flow-Net for EPI Distortion Estimation.** *NeuroImage*  
Zahneisen, B., Baeumler, K., Zaharchuk, G., Fleischmann, D., Zeineh, M.  
2020: 116886
- **3D Printed Models of Brain and Intracranial Electrodes for Epilepsy Education and Surgical Planning**  
Ardestani, P., Gifford, K., Bogart, K., Walters, S., Zeineh, M., Fleischmann, D., Razavi, B.  
LIPPINCOTT WILLIAMS & WILKINS.2020
- **Preparing Medical Imaging Data for Machine Learning.** *Radiology*  
Willeminck, M. J., Koszek, W. A., Hardell, C., Wu, J., Fleischmann, D., Harvey, H., Folio, L. R., Summers, R. M., Rubin, D. L., Lungren, M. P.  
2020: 192224
- **Accuracy of a novel stress echocardiography pattern for myocardial bridging in patients with angina and no obstructive coronary artery disease - A retrospective and prospective cohort study.** *International journal of cardiology*  
Pargaonkar, V. S., Rogers, I. S., Su, J., Forsdahl, S. H., Kameda, R., Schreiber, D., Chan, F. P., Becker, H., Fleischmann, D., Tremmel, J. A., Schnittger, I.  
2020
- **Coronary Computed Tomography Angiography in Diagnosing Obstructive Coronary Artery Disease in Patients with Advanced Chronic Kidney Disease: A Systematic Review and Meta-Analysis.** *Cardiorenal medicine*  
Cheng, X. S., Mohanty, S. n., Turner, V. n., Mastrodicasa, D. n., Winther, S. n., Fleischmann, D. n., Tan, J. C., Fearon, W. F.  
2020: 1–8

- **Computed Tomographic Angiography-Based Fractional Flow Reserve Compared With Catheter-Based Dobutamine-Stress Diastolic Fractional Flow Reserve in Symptomatic Patients With a Myocardial Bridge and No Obstructive Coronary Artery Disease.** *Circulation. Cardiovascular imaging*  
Jubran, A. n., Schnittger, I. n., Tremmel, J. n., Pargaonkar, V. n., Rogers, I. n., Becker, H. C., Yang, S. n., Mastrodicasa, D. n., Willemink, M. n., Fleischmann, D. n., Nieman, K. n.  
2020; 13 (2): e009576
- **The Project Baseline Health Study: a step towards a broader mission to map human health.** *NPJ digital medicine*  
Arges, K. n., Assimes, T. n., Bajaj, V. n., Balu, S. n., Bashir, M. R., Beskow, L. n., Blanco, R. n., Califf, R. n., Campbell, P. n., Carin, L. n., Christian, V. n., Cousins, S. n., Das, et al  
2020; 3 (1): 84
- **Machine learning for endoleak detection after endovascular aortic repair.** *Scientific reports*  
Talebi, S. n., Madani, M. H., Madani, A. n., Chien, A. n., Shen, J. n., Mastrodicasa, D. n., Fleischmann, D. n., Chan, F. P., Mofrad, M. R.  
2020; 10 (1): 18343
- **Carotid plaque imaging and the risk of atherosclerotic cardiovascular disease.** *Cardiovascular diagnosis and therapy*  
Zhu, G. n., Hom, J. n., Li, Y. n., Jiang, B. n., Rodriguez, F. n., Fleischmann, D. n., Saloner, D. n., Porcu, M. n., Zhang, Y. n., Saba, L. n., Wintermark, M. n.  
2020; 10 (4): 1048–67
- **The utility of three-dimensional models in complex microsurgical reconstruction.** *Archives of plastic surgery*  
Ogunleye, A. A., Deptula, P. L., Inchauste, S. M., Zelones, J. T., Walters, S. n., Gifford, K. n., LeCastillo, C. n., Napel, S. n., Fleischmann, D. n., Nguyen, D. H.  
2020; 47 (5): 428–34
- **Coronary artery calcium: A technical argument for a new scoring method** *JOURNAL OF CARDIOVASCULAR COMPUTED TOMOGRAPHY*  
Willemink, M. J., van der Werf, N. R., Nieman, K., Greuter, M. W., Koweek, L. M., Fleischmann, D.  
2019; 13 (6): 347–52
- **Carotid Artery Imaging Is More Strongly Associated With the 10-Year Atherosclerotic Cardiovascular Disease Score Than Coronary Artery Imaging.** *Journal of computer assisted tomography*  
Li, Y., Zhu, G., Ding, V., Jiang, B., Boothroyd, D., Rodriguez, F., Fleischmann, D., Desai, M., Saloner, D., Saba, L., Hom, J., Wintermark, M.  
2019; 43 (5): 679–85
- **Feasibility and utility of dual-energy chest CTA for preoperative planning in pediatric pulmonary artery reconstruction** *INTERNATIONAL JOURNAL OF CARDIOVASCULAR IMAGING*  
Zucker, E. J., Kino, A., Schmiedeskamp, H., Hinostroza, V., Fleischmann, D., Chan, F. P.  
2019; 35 (8): 1473–81
- **Popup-Plots: Warping Temporal Data Visualization** *IEEE TRANSACTIONS ON VISUALIZATION AND COMPUTER GRAPHICS*  
Schmidt, J., Fleischmann, D., Preim, B., Braendle, N., Mistelbauer, G.  
2019; 25 (7): 2443–57
- **Cardiopulmonary-induced deformations of the thoracic aorta following thoracic endovascular aortic repair** *VASCULAR*  
Suh, G., Ullery, B. W., Lee, J. T., Dake, M. D., Fleischmann, D., Cheng, C.  
2019; 27 (2): 181–89
- **Semiautomated Characterization of Carotid Artery Plaque Features From Computed Tomography Angiography to Predict Atherosclerotic Cardiovascular Disease Risk Score.** *Journal of computer assisted tomography*  
Zhu, G. n., Li, Y. n., Ding, V. n., Jiang, B. n., Ball, R. L., Rodriguez, F. n., Fleischmann, D. n., Desai, M. n., Saloner, D. n., Gupta, A. n., Saba, L. n., Hom, J. n., Wintermark, et al  
2019
- **Incremental Value of Aortomitral Continuity Calcification for Risk Assessment after Transcatheter Aortic Valve Replacement.** *Radiology. Cardiothoracic imaging*  
Willemink, M. J., Maret, E. n., Moneghetti, K. J., Kim, J. B., Haddad, F. n., Kobayashi, Y. n., Nishi, T. n., Nieman, K. n., Cauwenberghs, N. n., Kuznetsova, T. n., Higashigaito, K. n., Sailer, A. M., Yeung, et al  
2019; 1 (5): e190067
- **Assessing the Relationship between Atherosclerotic Cardiovascular Disease Risk Score and Carotid Artery Imaging Findings** *JOURNAL OF NEUROIMAGING*  
Li, Y., Zhu, G., Ding, V., Huang, Y., Jiang, B., Ball, R. L., Rodriguez, F., Fleischmann, D., Desai, M., Saloner, D., Saba, L., Hom, J., Wintermark, et al  
2019; 29 (1): 119–25

- **Feasibility and utility of dual-energy chest CTA for preoperative planning in pediatric pulmonary artery reconstruction.** *The international journal of cardiovascular imaging*  
Zucker, E. J., Kino, A. n., Schmiedeskamp, H. n., Hinostrroza, V. n., Fleischmann, D. n., Chan, F. P.  
2019
- **Defining genotype-phenotype relationships in patients with hypertrophic cardiomyopathy using cardiovascular magnetic resonance imaging.** *PloS one*  
Miller, R. J., Heidary, S. n., Pavlovic, A. n., Schlachter, A. n., Dash, R. n., Fleischmann, D. n., Ashley, E. A., Wheeler, M. T., Yang, P. C.  
2019; 14 (6): e0217612
- **Cardiopulmonary-induced deformations of the thoracic aorta following thoracic endovascular aortic repair.** *Vascular*  
Suh, G., Ullery, B. W., Lee, J. T., Dake, M. D., Fleischmann, D., Cheng, C.  
2018: 1708538118811204
- **Diagnostic Accuracy of a Novel Stress Echocardiography Pattern for Myocardial Bridge in Patients With Angina and No Obstructive Coronary Artery Disease - a Retrospective and Prospective Validation Cohort Study**  
Pargaonkar, V. S., Rogers, I. S., Su, J., Forsdahl, S., Schreiber, D., Chan, F. P., Becker, H., Fleischmann, D., Tremmel, J. A., Schnittger, I.  
LIPPINCOTT WILLIAMS & WILKINS.2018
- **Personalized Treatment Based on Imaging Parameters and Clinical Parameters Reduces the Risk of Late Adverse Events in Patients With Initially Uncomplicated Type B Aortic Dissections**  
Sailer, K. M., Nelemans, P. J., Willemink, M. J., Hahn, L. D., Higashigaito, K., Fleischmann, D.  
LIPPINCOTT WILLIAMS & WILKINS.2018
- **Photon-counting CT: Technical Principles and Clinical Prospects** *RADIOLOGY*  
Willemink, M. J., Persson, M., Pourmorteza, A., Pelc, N., Fleischmann, D.  
2018; 289 (2): 293–312
- **Assessing the Relationship Between American Heart Association Atherosclerotic Cardiovascular Disease Risk Score and Coronary Artery Imaging Findings** *JOURNAL OF COMPUTER ASSISTED TOMOGRAPHY*  
Li, Y., Zhu, G., Ding, V., Jiang, B., Ball, R. L., Ahuja, N., Rodriguez, F., Fleischmann, D., Desai, M., Saloner, D., Saba, L., Wintermark, M., Hom, et al  
2018; 42 (6): 898–905
- **Improving Spatial Resolution at CT: Development, Benefits, and Pitfalls** *RADIOLOGY*  
Wang, J., Fleischmann, D.  
2018; 289 (1): 261–62
- **Photon-counting CT: Technical Principles and Clinical Prospects.** *Radiology*  
Willemink, M. J., Persson, M., Pourmorteza, A., Pelc, N. J., Fleischmann, D.  
2018: 172656
- **The impact of dose reduction on the quantification of coronary artery calcifications and risk categorization: A systematic review** *JOURNAL OF CARDIOVASCULAR COMPUTED TOMOGRAPHY*  
Vonder, M., van der Werf, N. R., Leiner, T., Greuter, M. W., Fleischmann, D., Vliegenthart, R., Oudkerk, M., Willemink, M. J.  
2018; 12 (5): 352–63
- **Improving Spatial Resolution at CT: Development, Benefits, and Pitfalls.** *Radiology*  
Wang, J., Fleischmann, D.  
2018: 181156
- **Epidemiology and contemporary management of abdominal aortic aneurysms** *ABDOMINAL RADIOLOGY*  
Ullery, B. W., Hallett, R. L., Fleischmann, D.  
2018; 43 (5): 1032–43
- **Abdominal aortic aneurysms: pre- and post-procedural imaging** *ABDOMINAL RADIOLOGY*  
Hallett, R. L., Ullery, B. W., Fleischmann, D.  
2018; 43 (5): 1044–66
- **Geometric Deformations of the Thoracic Aorta and Supra-Aortic Arch Branch Vessels Following Thoracic Endovascular Aortic Repair** *VASCULAR AND ENDOVASCULAR SURGERY*  
Ullery, B. W., Suh, G., Hirotsu, K., Zhu, D., Lee, J. T., Dake, M. D., Fleischmann, D., Cheng, C. P.

2018; 52 (3): 173–80

● **PREDICTING MORTALITY WITH AORTOMITRAL CALCIFICATIONS IN 317 TAVR PATIENTS**

Willeminck, M., Maret, E., Moneghetti, K., Kim, J., Haddad, F., Kobayashi, Y., Higashigaito, K., Yeung, A., Lee, A., Miller, D., Fischbein, M., Fearon, W., Fleischmann, et al

ELSEVIER SCIENCE INC.2018: 1591

● **THE PROGNOSTIC VALUE OF COMPUTED TOMOGRAPHY FRAILITY MEASURES FOR PROLONGED HOSPITAL STAY AFTER TAVR IN 429 PATIENTS**

Maret, E., Willeminck, M., Moneghetti, K., Kim, J., Haddad, F., Kobayashi, Y., Miller, C., Yeung, A., Fishbein, M., Fearon, W., Fleischmann, D.

ELSEVIER SCIENCE INC.2018: 1414

● **Abdominal aortic aneurysms: pre- and post-procedural imaging.** *Abdominal radiology (New York)*

Hallett, R. L., Ullery, B. W., Fleischmann, D.

2018

● **Assessing the Relationship between Atherosclerotic Cardiovascular Disease Risk Score and Carotid Artery Imaging Findings.** *Journal of neuroimaging : official journal of the American Society of Neuroimaging*

Li, Y. n., Zhu, G. n., Ding, V. n., Huang, Y. n., Jiang, B. n., Ball, R. L., Rodriguez, F. n., Fleischmann, D. n., Desai, M. n., Saloner, D. n., Saba, L. n., Hom, J. n., Wintermark, et al

2018

● **Changes in Geometry and Cardiac Deformation of the Thoracic Aorta after Thoracic Endovascular Aortic Repair**

Hirotsu, K., Suh, G., Lee, J. T., Dake, M. D., Fleischmann, D., Cheng, C. P.

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