

CURRICULUM VITAE

Revised: November 1, 2016

PERSONAL:

NAME

Carlo Nicola De Cecco, MD, PhD

PRIMARY ACCADEMIC APPOINTMENT

Department of Radiology

Medical University of South Carolina

PRESENT POSITION

Clinical Fellow and Research Assistant Professor in Cardiothoracic Imaging and Nuclear Medicine

Director of Cardiac CT Research

Medical University of South Carolina

EDUCATION:

HIGH SCHOOL DIPLOMA

2000 Liceo Classico "Istituto Villa Flaminia", Rome, Italy

MEDICAL EDUCATION (09/21/2000 – 07/24/2006)

2000-2004 University of Rome "Campus Biomedico", Rome, Italy, MD, Medicine

2004 Clinical Observer, Department of Colorectal Surgery, St. Mark Hospital, London, UK

2004-2006 University of Rome "Sapienza", Rome, Italy, MD, Medicine. Final Score: 110/110 cum Laude

2005/2006 Clinical Observer, Department of Hepatobiliary and Pancreatic Surgery, University of Navarra, Pamplona, ES

PROFESSIONAL TRAINING:

CLINICAL TRAINING (08/01/2006 – 07/31/2007)

2006-2007 Clinical Training, Department of Clinical Medicine, University of Rome "Sapienza" - Policlinico Umberto I Hospital, Rome, IT

RADIOLOGY RESIDENCY (07/27/2007 – 07/26/2011)

2007-2011 Radiology Training, Department of Radiology and Radiological Sciences, University of Rome "Sapienza" - Sant' Andrea Hospital, Rome, IT. Final Score: 70/70 cum Laude

2008 Clinical Fellow, Department of Radiology, Cardiovascular Imaging Unit, University of Navarra, Pamplona, ES

2009/2010 Clinical Fellow, Department of Cardiology, Cardiovascular Magnetic Resonance Unit, Royal Brompton Hospital – Imperial College, London, UK

2010/2011 Clinical Fellow, Department of Radiology, Cardiovascular Imaging Unit, San Camillo-Forlanini Hospital, Rome, IT

2011 Clinical Fellow, Department of Radiology, Abdominal Imaging Unit, Hospital Clinic de Barcelona, Barcelona, ES

DOCTORAL DEGREE (11/01/2011 – 10/31/2014)

2011-2014 Innovative Technologies in Translational Medicine, University of Rome "Sapienza" – Polo Pontino, Latina, Italy. Research Title: "Magnetic Resonance (MR) Imaging Biomarkers in the evaluation of Tumoral Response to Neoadjuvant Chemoradiotherapy in Rectal Cancer: A Paradigm Shift?" Italian Society for Cancer Research (AIRC) Investigator Grant (2013/14129). Final Score: Ottimo cum Laude

POSITIONS AND EMPLOYMENTS

CARLO N. DE CECCO, MD, PhD

- (2011-2014) Consultant in Radiology, Department of Radiological Sciences, Oncology and Pathology, University of Rome "Sapienza", Rome, IT
- (Since 2013) Research Assistant Professor, Department of Radiology & Radiological Sciences, Medical University of South Carolina, Charleston, SC, US
- (Since 2013) Director of Cardiac CT Research, Department of Radiology & Radiological Sciences, Medical University of South Carolina, Charleston, SC, US
- (Since 2015) Clinical Fellow and Research Assistant Professor in Cardiothoracic Imaging and Nuclear Medicine, Department of Radiology & Radiological Sciences, Medical University of South Carolina, Charleston, SC, US

CERTIFICATIONS AND LICENSES

- Italian Board of Medicine (Since 2006)
- Italian Board Certification in Radiology (Since 2011)
- ECFMG # 0-889-971-8 (2014)
- South Carolina Limited Medical License (Since 2015)
- American Board of Radiology (Admitted in Alternate Pathway in 2015 – Board Eligible in June 2017)

PROFESSIONAL ACHIEVEMENTS AND RESEARCH:

MAJOR CLINICAL / RESEARCH INTERESTS

Cardio-thoracic imaging, especially the use of CT, MRI, PET/SPECT and PET/CT for imaging coronary heart disease, myocardial perfusion and cardiomyopathies.

Abdominal and Oncologic Imaging, especially the use of CT, MRI, PET/SPECT and PET/CT for the detection and assessment of response to therapy in cancer using novel imaging modalities (DWI, IVIM, Perfusion Imaging, Dual-Energy CT, novel tracers) and post-processing techniques (texture analysis, computed fractional flow reserve).

BOARD / COMMITTEE POSITIONS

Current:

- 2013-present Young Radiologists Committee Chairman at European Society of Oncologic Imaging (ESOI)
- 2014-present Member of the Board of Research Experts of the Italian Ministry of Education, University and Research in the fields of Radiology and Radiotherapy (MED/36), Cardiovascular Diseases (MED/11), and Medical Oncology (MED/06)
- 2015-present Member of the Research Committee at European Society of Oncologic Imaging (ESOI)
- 2015-present Member of the Executive Board at European Society of Oncologic Imaging (ESOI)
- 2015-present Consulting Editors – Live Programming for the American Roentgen Ray Society (ARRS)
- 2015-present Member of the Commission for CT Contrast Medium Optimization at Medical University of South Carolina Radiology Department
- 2016-present Member of the Electronic Communications Committee at North American Society

CARLO N. DE CECCO, MD, PhD

for Cardiovascular Imaging (NASCI)

Past:

- 2010-2015 Young Radiologists Delegate at Italian Society of Medical Radiology (SIRM)
- 2012-2015 Educational Committee Delegate at European Society of Oncologic Imaging (ESOI)

EDITORIAL POSITIONS

Current:

- 2012-present Investigative Radiology, Assistant Editorial Board Member
- 2013-present World Journal of Radiology, Editorial Board Member
- 2013-present American Journal of Biomedicine, Associate Editor

MEMBERSHIP IN PROFESSIONAL/SCIENTIFIC SOCIETIES

Current:

- 2007-present Società Italiana di Radiologia Medica (SIRM)
- 2007-present European Society of Radiology (ESR)
- 2008-present European Society of Gastrointestinal and Abdominal Radiology (ESGAR) (Fellow)
- 2008-present European Society of Cardiac Radiology (ESCR)
- 2012-present Radiological Society of North America (RSNA)
- 2012-present European Society of Oncologic Imaging (ESOI) (Young Radiologists Committee Chairman and Educational Committee Delegate)
- 2013-present Society of Computed Body Tomography and Magnetic Resonance (SCBT-MR) (Fellow)
- 2013-present North American Society of Cardiovascular Imaging (NASCI)
- 2013-present Society of Cardiovascular CT (SCCT) (Fellow)
- 2014-present American Roentgen Ray Society (ARRS)
- 2016-present European Society for Hybrid Medical Imaging (ESHI)
- 2016-present American Heart Association (AHA)

Past:

- 2014 The Obesity Society

SCIENTIFIC REVIEWER FOR

- 2012-present Investigative Radiology (Journal)
- 2012-present European Journal of Radiology (Journal)
- 2012-present Journal of Computer Assisted Tomography (Journal)

CARLO N. DE CECCO, MD, PhD

- 2013-present American Journal of Cardiology (Journal)
- 2013-present American Journal of Biomedicine
- 2013-present European Radiology (Journal)
- 2013-present Radiology (on behalf of Prof. Joseph Schoepf)
- 2013-present World Journal of Radiology (Journal)
- 2013-present PLoS ONE (Open Access Journal)
- 2014-present British Journal of Radiology (Journal)
- 2014-present Journal of the American College of Cardiology (Journal)
- 2014-present Journal of Cardiovascular Computed Tomography (Journal)
- 2015-present Contrast Media and Molecular Imaging (Journal)
- 2015-present Academic Radiology (Journal)
- 2015-present Radiographic (Journal)
- 2015-present Abdominal Radiology (Journal)
- 2015 Scientific Abstracts Reviewer at European Society of Oncologic Imaging (ESOI) Annual Meeting 2015 (International Society)
- 2015-present Register of Expert Peer Reviewers for Italian Scientific Evaluation (REPRISE) for the Italian Ministry of Education, University and Research Journal)
- 2016 Scientific Abstracts Reviewer at European Society of Gastrointestinal and Abdominal Radiology (ESGAR) Annual Meeting 2016 (International Society) Journal)
- 2016-present The Annals of Thoracic Surgery (Journal)
- 2016 REPRISE Reviewer of the 2015 Italian PRIN (Progetti di Ricerca di Rilevante Interesse Nazionale – Research Projects of Relevant National Interest) grants for the Italian Ministry of Education, University and Research. 21 projects evaluated for approximately 11,150,000 Euros of total budget.
- 2016-present Journal of the American College of Cardiology (JACC) Cardiovascular Imaging (Journal)
- 2016-present Insights into Imaging (Journal)

AWARDS AND HONORS

- 2007 Top-20 Presenter, European Society of Gastrointestinal and Abdominal Imaging (ESGAR)
- 2007 Selected as a member of the European Team in the ESGAR 2007 University Challenge – Radiological Image Interpretation Quiz
- 2008/2009 Best Radiological Article Award, Spanish Radiological Society
- 2009 Top-20 Presenter, European Society of Gastrointestinal and Abdominal Imaging (ESGAR)
- 2012 Certificate of Merit, Italian Society of Medical Radiology (SIRM)
- 2012 Elected Fellow of the European Society of Gastrointestinal and Abdominal Radiology (ESGAR)

CARLO N. DE CECCO, MD, PhD

2013	Honorable Mention, North American Society of Cardiovascular Imaging
2013	Cum Laude CT Award, Society of Computed Body Tomography and Magnetic Resonance (SCBT-MR)
2013	Certificate of Merit, Radiological Society of North America (RSNA)
2014	Elected Fellow of the Society of Computed Body Tomography and Magnetic Resonance (SCBT-MR)
2014	Nominated Member of the DSCT Expert Community www.dsct.com
2015	Cover page of the scientific journal "Diagnostic Imaging Europe", May/June 2015
2016	Elected Fellow of the Society of Cardiovascular CT (SCCT)

TEACHING RESPONSIBILITIES

Current:

Medical University of South Carolina Graduate Medical Education:

1 hour lecture to cardiology residents

Medical University of South Carolina Undergraduate Medical Education:

12 hours lecture to 4th year medical students

Supervise medical student research clerkship

Medical University of South Carolina Graduate Medical Education:

Supervise resident clerkship In cardiothoracic imaging

Others:

Medical University of South Carolina :

Cardiac CT Course Instructor

Past:

University of Rome "Sapienza" Undergraduate Medical Education:

8 hours lecture to 4th year medical students

Supervise medical student research clerkship

University of Rome "Sapienza" Graduate Medical Education:

2 hours lecture to 4th year residents

Supervise resident research clerkship

Others:

University of Rome "Sapienza":

4 hours lecture to Master in Echocardiography students at University of Rome "Sapienza"

PUBLICATIONS

CUMULATIVE IMPACT: >500; CITATIONS: 1322; HIRSCH INDEX: 19

PEER REVIEWED JOURNAL ARTICLES:

1. Ferrari R, **De Cecco CN**, Iafrate F, Paolantonio P, Rengo M, Laghi A. Anatomic variations of the celiac trunk and the mesenteric arteries evaluated with 64-row CT-Angiography. *Radiologia Medica* 2007; 112(7):988-98.
2. Bastarrika G, **De Cecco CN**, Anselmi A, Herreros J. Incidental dual source computed tomography imaging of ductal aortic coarctation, left subclavian artery stenosis and bicuspid aortic valve in a patient admitted for atypical chest pain. *Interact Cardiovasc Thorac Surg* 2008; 7:504-505.
3. Bastarrika G, **De Cecco CN**, Mastrobuoni S, Arraiza M, Pueyo JC, Ràbago G. Global evaluation of the heart in heart transplant recipients using dual-source computed tomography. *An Sist Sanit Navar* 2009; 32 (1):107-111.
4. Bastarrika G, **De Cecco CN**, Arraiza M, Ubillia M, Mastrobuoni S, Pueyo JC, Ràbago G. Dual-source CT coronary imaging in heart transplantation recipients: image quality and optimal reconstruction interval. *Eur Radiol* 2008; 18(9):1791-9.
5. Bastarrika G, Arraiza M, **De Cecco CN**, Mastrobuoni S, Ubilla M, Ràbago G. Quantification of left ventricular function and mass in heart transplantation recipients using dual-source CT and MRI: initial clinical experience. *Eur Radiol* 2008; 18(9): 1784-90.
6. Bastarrika G, **De Cecco CN**, Arraiza M, Mastrobuoni S, Pueyo JC, Ubillia M, Ràbago G. Dual-Source CT for visualization of the coronary arteries in heart transplant patients with high heart rates. *Am J Roentgenol* 2008; 191:448-454.
7. Bastarrika G, **De Cecco CN**, Bastero P, Arraiza M, Barba J, Anselmi A, Alzina V. Cardiovascular dual source computed tomography for aortic coarctation in a neonate: one-second scan with ultra-low radiation dose. *Ann Thorac Surg* 2008; 86(5):e4.
8. Anselmi A, **De Cecco CN**. Invited Commentary. *Ann Thorac Surg* 2008; 86(5):1553.
9. **De Cecco CN**, Bastarrika G, Pueyo J, Anselmi A, Rengo M, Maurizi Enrici M, David V. Global cardiac evaluation without heart rate control: preliminary experience with dual source CT (DSCT). *Minerva Cardioangiol* 2008; 56(6):587-97.
10. Bastarrika G, **De Cecco CN**, Arraiza M, Pueyo J, Ràbago G, Di Girolamo M, Maurizi Enrici M, David V. Morphological and functional evaluation of intrapericardial cyst as a cause of severe right heart failure: dual source computed tomography and magnetic resonance imaging. *J Cardiovasc Med* 2009; 10(4):363-4.

11. Bastarrika G, Arraiza M, **De Cecco CN**, Broncano J, Mastrobuoni S, Ubilla M, Pueyo JC, Rábago G. Dual-source CT in heart transplant recipients: quantification of global left ventricular function and mass. *J Thorac Imaging* 2009; 24(2):103-9.
12. **De Cecco CN**, Ferrari R, Rengo M, Paolantonio P, Vecchiotti F, Laghi A. Anatomic variations of the hepatic arteries in 250 patients studied with 64-row CT angiography. *Eur Radiol* 2009; 19(11):2765-70.
13. Buffa V, **De Cecco CN**, Cardillo G, Casali L. Erroneous aortic arch placement of a transvenous pacemaker. *Eur J Cardiothorac Surg* 2010; 37:234.
14. Buffa V, **De Cecco CN**, Cossu L, Fedeli S, Ruopoli R, Vallone A, Luzietti M, Angelica G, David V, Musumeci F. Preoperative coronary risk assessment with Dual-Source CT in patients underwent non coronary major cardiac surgery. *Radiol Med* 2010; 115(7):1028-37.
15. Buffa V, **De Cecco CN**, Fedeli S, Vallone A, Ruopoli R, Luzietti M, Miele V, Maurizi Enrici M, Musumeci F, David V. Dual-Source CT coronary angiography: prospective versus retrospective acquisition technique. *Radiol Med* 2011; 116(2):178-88.
16. **De Cecco CN**, Buffa V, David V, Fedeli S. Novel approaches for the surgical treatment of atrial fibrillation: Time for a guideline revision. *Vasc Health Risk Manag* 2010;6:439-47.
17. **De Cecco CN**, Buffa V, Fedeli S, Vallone A, Ruopoli R, Luzietti M, Miele V, Rengo M, Maurizi Enrici M, Fina P, Laghi A, David V. Preliminary experience with Dual Energy CT (DECT) of the abdomen: real versus virtual non-enhanced Images of the liver. *Radiol Med* 2010; 115(8):1258-66.
18. **De Cecco CN**, Buffa V, Fedeli S, Luzietti M, Vallone A, Ruopoli R, Miele V, Rengo M, Paolantonio P, Maurizi Enrici M, Laghi A, David V. Dual Energy CT (DECT) of the liver: conventional versus virtual unenhanced images. *Eur Radiol* 2010; 20(12):2870-5.
19. **De Cecco CN**, Di Girolamo M, Fedeli S, David V. Sub-Acute Intramural Haematoma of the Ascending Aorta. *Interact Cardiovasc Thorac Surg* 2010;11(5):701-2.
20. **De Cecco CN**, Fina P, Fedeli S, David V. Role of magnetic resonance imaging in intrathoracic hepatocarcinoma diagnosis. *Eur J Cardiothorac Surg*. 2011 Feb;39(2):28.
21. Osimani M, Rengo M, Paolantonio P, Ferrari R, **De Cecco CN**, Bellini D, Maceroni MM, Laghi A. Sixty-four-multidetector-row computed tomography angiography with bolus tracking to time arterial-phase imaging in healthy liver: is there a correlation between quantitative and qualitative scores? *J Comput Assist Tomogr*. 2010 Nov-Dec;34(6):883-91.
22. Anselmi A, Luciani N, **De Cecco CN**. Invited commentary. *Ann Thorac Surg*. 2011 Feb;91(2):463-4.
23. Rengo M, Bellini D, **De Cecco CN**, Osimani M, Vecchiotti F, Caruso D, Maceroni MM, Lucchesi P, lafrate F, Palombo E, Paolantonio P, Ferrari R, Laghi A. The optimal contrast media policy in CT of the liver. Part II: Clinical protocols. *Acta Radiol*. 2011 Jun 1;52(5):473-80.

24. Rengo M, Bellini D, **De Cecco CN**, Osimani M, Vecchiotti F, Caruso D, Maceroni MM, Lucchesi P, Iafrate F, Paolantonio P, Ferrari R, Laghi A. The optimal contrast media policy in CT of the liver. Part I: Technical notes. *Acta Radiol.* 2011 Jun 1;52(5):467-72.
25. Arraiza M, Azcárate PM, Arias J, **De Cecco CN**, Pueyo JC, Rábago G, Bastarrika G. Accuracy of different reconstruction intervals to quantify left ventricular function and mass in cardiac computed tomography examinations. *Radiologia.* 2012 Sep;54(5):432-441.
26. **De Cecco CN**, Muscogiuri G, Anselmi A. The importance of age, sex, and body surface area in cardiovascular dimensions analysis. *AJR Am J Roentgenol.* 2011 Nov;197(5):W966.
27. Iafrate F, Ciolina M, Iannitti M, Baldassari P, Pichi A, Rengo M, **De Cecco CN**, Laghi A. Gallbladder and muscular endometriosis: a case report. *Abdom Imaging.* 2012 Mar 29.
28. **De Cecco CN**, Bastarrika G, Arraiza M, Maurizi Enrici M, Pueyo J, Muscogiuri G, Fina P, Anselmi A, Di Girolamo M, David V. Dual source CT: state of the art in the depiction of coronary arteries anatomy, anatomical variants and myocardial segments. *Minerva Cardioangiol.* 2012 Apr;60(2):133-46.
29. Arraiza M, Azcárate PM, **De Cecco CN**, Viteri G, Simón-Yarza I, Hernández-Estefanía R, Rábago G, Bastarrika G. Assessment of left ventricular parameters in orthotopic heart transplant recipients using dual-source CT and contrast-enhanced echocardiography: Comparison with MRI. *Eur J Radiol.* 2012 Nov;81(11):3282-8.
30. Rengo M, Caruso D, **De Cecco CN**, Lucchesi P, Bellini D, Maceroni MM, Ferrari R, Paolantonio P, Iafrate F, Carbone I, Vecchiotti F, Laghi A. High concentration (400mg/ml) versus low concentration (320mg/ml) iodinated contrast media in multi detector computed tomography of the liver: A randomized, single centre, non-inferiority study. *Eur J Radiol.* 2012 Nov;81(11):3096-101.
31. Magrì D, Agostoni P, Cauti FM, Musumeci B, Egidy Assenza G, **De Cecco CN**, Muscogiuri G, Maruotti A, Ricotta A, Pagannone E, Marino L, Santini D, Proietti G, Serdoz A, Paneni F, Volpe M, Autore C. Determinants of peak oxygen uptake in patients with hypertrophic cardiomyopathy: a single-center study. *Intern Emerg Med.* 2012 Oct 7.
32. **De Cecco CN**, Darnell A, Macías N, Ayuso JR, Rodríguez S, Rimola J, Pagés M, García-Criado A, Rengo M, Laghi A, Ayuso C. Virtual Unenhanced Images of the Abdomen With Second-Generation Dual-Source Dual-Energy Computed Tomography: Image Quality and Liver Lesion Detection. *Invest Radiol.* 2013 Jan;48(1):1-9.
33. **De Cecco CN**, Rengo M, Muscogiuri G, Caruso D, Bellini D, Laghi A. Aneurysm of Vieussens' arterial ring in a patient studied with coronary computed tomography. *J Cardiovasc Med (Hagerstown).* 2012 Oct 18. PMID: 23089976.
34. **De Cecco CN**, Darnell A, Rengo M, Muscogiuri G, Bellini D, Ayuso C, Laghi A. Dual-Energy CT: Oncologic Applications. *AJR Am J Roentgenol.* 2012 Nov;199(5 Suppl):S98-S105.

35. Mari FS, Nigri G, Pancaldi A, **De Cecco CN**, Gasparrini M, Dall'oglio A, Pindozi F, Laghi A, Brescia A. Role of CT angiography with three-dimensional reconstruction of mesenteric vessels in laparoscopic colorectal resections: a randomized controlled trial. *Surg Endosc.* 2013 Jun;27(6):2058-67.
36. Guerriero S, Spiga S, Ajossa S, Peddes C, Perniciano M, Soggiu B, **De Cecco CN**, Laghi A, Melis GB, Saba L. Role of imaging in the management of endometriosis. *Minerva Ginecol.* 2013 Apr;65(2):143-66.
37. Rengo M, Bellini D, Iorio O, **De Cecco CN**, Rizzello M, Cavallaro G, Carabotti M, Laghi A, Silecchia G. Role of Preoperative Imaging with Multidetector Computed Tomography in the Management of Patients with Gastroesophageal Reflux Disease Symptoms After Laparoscopic Sleeve Gastrectomy. *Obes Surg.* 2013 Jun 11.
38. D'Andrilli A, **De Cecco CN**, Maurizi G, Muscogiuri G, Baldini R, David V, Venuta F, Rendina EA. Reconstruction of the superior vena cava by biologic conduit: assessment of long-term patency by magnetic resonance imaging. *Ann Thorac Surg.* 2013 Sep;96(3):1039-45.
39. **De Cecco CN**, Darnell A, Macías N, Ayuso JR, Rodríguez S, Rimola J, Pagés M, García-Criado Á, Rengo M, Muscogiuri G, Laghi A, Ayuso C. Second-generation dual-energy computed tomography of the abdomen: radiation dose comparison with 64- and 128-row single-energy acquisition. *J Comput Assist Tomogr* 2013 Jul-Aug;37(4):543-6.
40. Musio D, De Felice F, Magnante AL, Ciolina M, **De Cecco CN**, Rengo M, Redler A, Laghi A, Raffetto N, Tombolini V. Diffusion-Weighted Magnetic Resonance Application in Response Prediction before, during, and after Neoadjuvant Radiochemotherapy in Primary Rectal Cancer Carcinoma. *Biomed Res Int.* 2013;2013:740195.
41. Yin WH, Lu B, Hou ZH, Li N, Han L, Wu YJ, Niu HX, Silverman JR, **De Cecco C**, Schoepf UJ. Detection of coronary artery stenosis with sub-millisievert radiation dose by prospectively ECG-triggered high-pitch spiral CT angiography and iterative reconstruction. *Eur Radiol.* 2013 Nov;23(11):2927-33.
42. Spearman JV, Meinel FG, Schoepf UJ, Apfaltrer P, Silverman JR, Krazinski AW, Canstein C, **De Cecco CN**, Costello P, Geyer LL. Automated quantification of epicardial adipose tissue using CT angiography: evaluation of a prototype software. *Eur Radiol.* 2014 Feb;24(2):519-26.
43. Hardie AD, Tipnis SV, Rieter WJ, Rissing MS, **De Cecco CN**. Physician preference between low-dose computed tomography with a sinogram-affirmed iterative reconstruction algorithm and routine-dose computed tomography with filtered back projection in abdominopelvic imaging. *J Comput Assist Tomogr.* 2013;37(6):932-6.
44. Oberoi S, Meinel FG, Schoepf UJ, Nance JW, **De Cecco CN**, Gebregziabher M, Costello P, Weininger M. Reproducibility of noncalcified coronary artery plaque burden quantification from coronary CT angiography across different image analysis platforms. *Am J Roentgenol.* 2014 Jan;202(1):W43-9.
45. Meinel FG, **De Cecco CN**, Schoepf UJ, Nance JW Jr, Silverman JR, Flowers BA, Henzler T. First-Arterial-Pass Dual-Energy CT for Assessment of Myocardial Blood Supply: Do We Need Rest, Stress, and Delayed Acquisition? Comparison with SPECT. *Radiology.* 2014 Mar;270(3):708-16.

46. Secchi F, **De Cecco CN**, Spearman JV, Silverman JR, Ebersberger U, Sardanelli F, Schoepf UJ. Monoenergetic extrapolation of cardiac dual energy CT for artifact reduction. *Acta Radiol.* 2014 Mar 10. PMID: 24615417
47. Magri D, **De Cecco CN**, Piccirillo G, Mastromarino V, Serdoz A, Muscogiuri G, Ricotta A, Gregori M, Marino L, Cauti FM, Pagannone E, Musumeci MB, Maruotti A, Autore C. Myocardial Repolarization Dispersion and Late Gadolinium Enhancement in Patients With Hypertrophic Cardiomyopathy. *Circ J.* 2014 Mar 17. PMID: 24632791.
48. **De Cecco CN**, Meinel FG, Chiaramida SA, Costello P, Bamberg F, Schoepf UJ. Coronary Artery Computed Tomography Scanning. *Circulation* 2014 Mar 25;129(12):1341-5.
49. Saba L, Sulcis R, Melis GB, **de Cecco CN**, Laghi A, Piga M, Guerriero S. Endometriosis: the role of magnetic resonance imaging. *Acta Radiol.* 2015 Mar;56(3):355-67.
50. Meinel FG, **De Cecco CN**, Schoepf UJ, Katzberg R. Contrast-induced acute kidney injury: definition, epidemiology, and outcome. *Biomed Res Int.* 2014;2014:859328.
51. Zhang LJ, Qi L, Wang J, Tang CX, Zhou CS, Ji XM, Spearman JV, **De Cecco CN**, Meinel FG, Schoepf UJ, Lu GM. Feasibility of prospectively ECG-triggered high-pitch coronary CT angiography with 30 mL iodinated contrast agent at 70 kVp: initial experience. *Eur Radiol.* 2014 Jul;24(7):1537-46
52. Bucher AM, **De Cecco CN**, Schoepf UJ, Meinel FG, Krazinski AW, Spearman JV, McQuiston AD, Wang R, Bucher J, Vogl TJ, Katzberg RW. Is contrast medium osmolality a causal factor for contrast-induced nephropathy? *Biomed Res Int.* 2014;2014:931413.
53. Bellini D, Rengo M, **De Cecco CN**, Iafrate F, Hassan C, Laghi A. Perforation rate in CT colonography: a systematic review of the literature and meta-analysis. *Eur Radiol.* 2014 Jul;24(7):1487-96.
54. Meinel FG, Canstein C, Schoepf UJ, Sedlmaier M, Schmidt B, Harris BS, Flohr TG, **De Cecco CN**. Image quality and radiation dose of low tube voltage 3(rd) generation dual-source coronary CT angiography in obese patients: a phantom study. *Eur Radiol.* 2014 Jul;24(7):1643-50.
55. Meinel FG, Ebersberger U, Schoepf UJ, Lo GG, Choe YH, Wang Y, Maivelett JA, Krazinski AW, Marcus RP, Bamberg F, **De Cecco CN**. Global Quantification of Left Ventricular Myocardial Perfusion at Dynamic CT: Feasibility in a Multicenter Patient Population. *AJR Am J Roentgenol.* 2014 Aug;203(2):W174-80.
56. Garrett KG, **De Cecco CN**, Schoepf UJ, Silverman JR, et al. Residents' Performance in the Interpretation of On-Call "Triple-Rule-Out" CT Studies in Patients with Acute Chest Pain. *Acad Radiol.* 2014 Jul;21(7):938-44.
57. **De Cecco CN**, Harris BS, Schoepf UJ, Silverman JR, McWhite CB, Krazinski AW, Bayer RR, Meinel FG. Incremental Value of Pharmacological Stress Cardiac Dual-Energy CT Over Coronary CT Angiography Alone for the Assessment of Coronary Artery Disease in a High-Risk Population. *AJR Am*

J Roentgenol. 2014 Jul;203(1):W70-7.

58. Krazinski AW, Meinel FG, Schoepf UJ, Silverman JR, Canstein C, **De Cecco CN**, Geyer LL. Reduced radiation dose and improved image quality at cardiovascular CT angiography by automated attenuation-based tube voltage selection: intra-individual comparison. *Eur Radiol.* 2014 Jul 24.
59. Meinel FG, MD; Nance JW, Brett SH, **De Cecco CN**, Costello P, Schoepf UJ. Radiation Risks from Cardiovascular Imaging Tests: Clinician Update. *Circulation* 2014 Jul 29;130(5):442-5.
60. Bucher A, **De Cecco CN**, Schoepf UJ, Wang R, Meinel GF, Spearman VJ, Vogl TJ, Ruzsics B. Cardiac CT for Myocardial Ischemia Detection and Characterization – Comparative Analysis. *Br J Radiol* 2014 Aug 19:20140159.
61. Chan RH, Maron BJ, Olivotto I, Pencina M, Assenza GE, Haas TS, Lesser J, Gruner C, Crean A, Rakowski H, Udelson J, Rowin E, Lombardi M, Cecchi F, Tomberli P, Spirito P, Formisano F, Biagini E, Rapezzi C, **De Cecco CN**, Autore C, Cook E, Hong S, Gibson CM, Manning W, Appelbaum E, Maron MS. Quantitative Contrast-Enhanced Cardiovascular Magnetic Resonance Predicts Sudden Death in Patients with Hypertrophic Cardiomyopathy. *Circulation* 2014 Aug 5;130(6):484-95.
62. Dyer KT, Hlavacek AM, Meinel FG, **De Cecco CN**, McQuiston AD, Schoepf UJ, Pietris NP. Imaging in congenital pulmonary vein anomalies: the role of computed tomography. *Pediatr Radiol.* 2014 Sep;44(9):1158-68.
63. Baumann S, Renker M, Spearman JV, Bayer RR, Schoepf UJ, **De Cecco CN**. Giant left ventricular pseudoaneurysm as a complication after mitral valve replacement. *Ann Thorac Surg* 2014;98(4):1480.
64. Brett SH, **De Cecco CN**, Dyer KT, Schoepf UJ, Sandhu MK, Steinberg DH, Meinel F. Accuracy of cardiac CT performed for planning of transcatheter aortic valve replacement in the assessment of obstructive coronary artery disease. *Radiology* 2014 Nov 12:140763.
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LECTURES AND PRESENTATIONS

INVITED LECTURES:

1. Valutazione del Miocardio Vitale. Tecniche di Indagine Tradizionali ed Innovative: Indicazioni e Limiti. Cardiologia Clinica. Cardiological Conference. *Invited Lecturer*. November 5, 2009, Rome, Italy.
2. Research Corner: Cutting Edge: Multi-energy CT Present and Future Applications in Abdominal Imaging. Virtual plain CT. *Invited Lecturer*. European Society of Gastrointestinal Radiologists (ESGAR), June 2-5, 2010, Dresden, Germany.
3. Cutting Edge: Less Irradiative Multi-Energy MSCT in Abdominal Cancers - Guerbet Symposium. *Invited Lecturer*. European Congress of Radiology (ECR), March 6, 2011, Vienna, Austria.

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4. La Risonanza Magnetica in Cardiologia – Corso Teorico Pratico. *Invited Lecturer*. University of Rome “Sapienza”, June 8-9, 2012, Rome, Italy.
5. Dual Energy CT: Oncologic Applications. Siemens Meeting. *Invited Lecturer*. August 20, 2013, Shanghai, China.
6. New Insights on Dual Energy CT in Oncology. *Invited Lecturer*. Radiological Society of North America (RSNA), December 2, 2013, Chicago, IL, USA.
7. The Basics: CT Is Easy. *Invited Lecturer*. Cardiac CT versus MRI 2013 – What’s Your Preference and Why. November 16, 2013, Toronto, Canada.
8. Cardiomyopathy: CT May Help. *Invited Lecturer*. Cardiac CT versus MRI 2013 – What’s Your Preference and Why. November 16, 2013, Toronto, Canada.
9. Dual Energy CT Cardiovascular and Oncologic Applications. *Invited Lecturer*. Resident’s Seminar. Medical University of South Carolina. September 1, 2014, Charleston, SC, USA.
10. Developments and Recommendations in CT Colonoscopy. *Invited Lecturer*. Medical University of South Carolina. May 8, 2014, Charleston, SC, USA.
11. TC Oltre 64 Strati: Novità Tecnologiche e Applicative – Cardiovascolare. Congresso della Società Italiana di Radiologia Medica (SIRM), May 23, 2014, Florence, Italy.
12. Dual Energy CT Cardiovascular and Oncologic Applications. *Invited Lecturer*. Center for Biomedical Imaging. Medical University of South Carolina. September 1, 2014, Charleston, SC, USA.
13. MR Imaging in Rectal Tumor. *Invited Lecturer*. Center for Biomedical Imaging. Medical University of South Carolina. September 9, 2014, Charleston, SC, USA.
14. New Insights on Dual Energy CT in Oncology. *Invited Lecturer*. Radiological Society of North America (RSNA), December 2, 2014, Chicago, IL, USA.
15. Dual-Energy CT in Oncology. *Invited Lecturer*. European Federation of Organizations in Medical Physic (EFOMP) Workshop. European Congress of Radiology (ECR), March 6, 2015, Vienna, Austria.
16. Workshop – Dual Energy & Multi-Spectral Techniques and Applications. Liver and Bile Ducts. *Invited Lecturer*. International Society of Computed Tomography (ISCT), June 6, 2015, San Francisco, USA.
17. Liver Nodule Analysis with Dual Energy CT. *Invited Lecturer*. International Society of Computed Tomography (ISCT), June 7, 2015, San Francisco, USA.
18. Pancreatic Mass Analysis with Dual Energy CT: an Update. *Invited Lecturer*. International Society of Computed Tomography (ISCT), June 7, 2015, San Francisco, USA.
19. Incidental Adrenal Lesion Characterization Using Dual Energy CT. *Invited Lecturer*. International Society of Computed Tomography (ISCT), June 7, 2015, San Francisco, USA.
20. Practical Tips for How Dual Energy CT Post-Processing Can Speed up your Practice. *Invited Lecturer*. International Society of Computed Tomography (ISCT), June 7, 2015, San Francisco, USA.
21. Dual Energy CT in Abdominal Pathology. *Invited Lecturer*. European Society of Gastrointestinal and Abdominal Radiology (ESGAR), June 11, 2015, Paris, France.
22. Monoenergetic Imaging. *Invited Lecturer*. 12th SOMATOM World Summit, July 8, 2015, Munich, Germany. <https://www.youtube.com/watch?v=pZLdU3PZsml#t=83>

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23. Abdominal DECT: How to Integrate Into Your Practice. *Invited Lecturer*. Society of Computed Body Tomography and Magnetic Resonance (SCBT-MR), October 10, 2015, Toronto, Canada.
24. Dual Energy CT in Oncology: What's New. *Invited Lecturer*. Society of Computed Body Tomography and Magnetic Resonance (SCBT-MR), October 11, 2015, Toronto, Canada.
25. New Insights on Dual Energy CT in Oncology. *Invited Lecturer*. Radiological Society of North America (RSNA), December 2, 2015, Chicago, IL, USA.
26. Dual Energy CT in Oncology. *Invited Lecturer*. Skandinavian CT Course in Vestfold. January 20-22, 2016, Larvik, Norway.
27. Role of CT in Diagnosis and Management of Pancreatic Cystic Lesions. *Invited Lecturer*. Skandinavian CT Course in Vestfold. January 20-22, 2016, Larvik, Norway.
28. New frontiers in Abdominal CT: From Dual-Energy to Low-kV Protocols. *Invited Lecturer*. Skandinavian CT Course in Vestfold. January 20-22, 2016, Larvik, Norway.
29. Refresh Course - Acute pain: your friend and enemy in emergency radiology. Chest. *Invited Lecturer*. European Congress of Radiology (ECR), March 2-6, 2016, Vienna, Austria.
30. Keynote Lecture – CT of the Coronary Arteries. *Invited Lecturer*. European Congress of Radiology (ECR), March 2-6, 2016, Vienna, Austria.
31. Workshop – The Modern and Right Approach to Assessing Tumour Response. *Invited Lecturer*. European Society of Gastrointestinal and Abdominal Radiology (ESGAR), June 15, 2016, Prague, Czech Republic.
32. Didactic-CT Myocardial Perfusion Imaging – Dual Energy CT. Hands-on Myocardial CT Perfusion Workshop. *Invited Lecturer*. Society of Cardiac Computed Tomography (SCCT) Annual Meeting, June 22 2016, Orlando, FL, USA.
33. CTP Imaging: Is it Ready for Prime Time? *Invited Lecturer*. Society of Cardiovascular Computed Tomography (SCCT), June 25, 2016, Orlando, FL, USA.
34. Multi-Energy CT Workshop. DECT: Technology and Workflow. *Invited Lecturer*. Society of Computed Body Tomography and Magnetic Resonance (SCBT-MR), September 17, 2016, Salt Lake City, UT, USA.
35. New Contrast Injection Strategies in Low kV and keV Imaging. *Invited Lecturer*. Society of Computed Body Tomography and Magnetic Resonance (SCBT-MR), September 17, 2016, Salt Lake City, UT, USA.
36. Radiation and Contrast Dose Reduction in Coronary CT Angiography: State of the Art Strategies From Low kV Imaging to Obese Patients. *Invited Lecturer*. North American Society of Cardiovascular Imaging (NASCI), October 16, 2016, Baltimore, MA, USA.
37. Stress Myocardial CT Perfusion: Ready for Prime Time? *Invited Lecturer*. Conference: New Advancement in CT and the Role of HTA. October 24, 2016, Venice, Italy.
38. Dual Energy CT in Oncology. *Invited Lecturer*. Conference: New Advancement in CT and the Role of HTA. October 24, 2016, Venice, Italy.
39. Dual Energy CT in Oncology. *Invited Lecturer*. Scientific Collaboration Meeting. Innovation in CT: the Dual-Energy Era. Sapienza – University of Rome. October 27, 2016, Latina, Italy.

ABSTRACTS:

Author or coauthor of 153 abstracts presented at international scientific conferences.

1. Iafrate F, Paolantonio P, Ferrari R, Celestre M, **De Cecco CN**, Laghi A. Computed Tomographic Colonography: An Expert Reader Put Four Workstations under "Magnifying Glass". RSNA (Radiological Society of North America) 2006, Chicago, USA.
2. Paolantonio P, Ferrari R, Iafrate F, Rengo M, **De Cecco CN**, Laghi A. MR Imaging of the Small Intestine in Paediatric Patients: An Overview of Technical Features and Clinical Results. RSNA (Radiological Society of North America) 2006, Chicago, USA.
3. Iafrate F, Rengo M, Ferrari R, Stagnitti A, **De Cecco CN**, Paolantonio P, Laghi A. Un-prepped CT colonography using gastrografin and low-fiber diet: Comparison of results between 2 days of preparation and 1-day preparation. ECR (European Congress of Radiology) 2007, Vienna, Austria.
4. Paolantonio P, Ferrari R, Iafrate F, **De Cecco CN**, Laghi A. Decrease of signal intensity of myometrium after iv USPIO administration: A novel MR finding. ECR (European Congress of Radiology) 2007, Vienna, Austria.
5. Paolantonio P, Ferrari R, Iafrate F, **De Cecco CN**, Lucchesi P, Laghi A. Spectrum of findings of Mullerian duct anomalies at MRI. ECR (European Congress of Radiology) 2007, Vienna, Austria.
6. Paolantonio P, Iafrate F, Ferrari R, **De Cecco CN**, Carnevale A, De Angelis C, Laghi A. MRI of the pelvis in mullerian duct abnormalities: Is there a role in selecting patient for histerocopic metroplasty? ECR (European Congress of Radiology) 2007, Vienna, Austria.
7. Paolantonio P, Iafrate F, Ferrari R, Rengo M, **De Cecco CN**, Laghi A. MR imaging of the small intestine in paediatric patients: An overview of technical features and clinical results. ECR (European Congress of Radiology) 2007, Vienna, Austria.
8. Paolantonio P, Ferrari R, Iafrate F, Rengo M, **De Cecco CN**, Laghi A. Principles of k-space sampling. ECR (European Congress of Radiology) 2007, Vienna, Austria.
9. Rengo M, Ferrari R, Paolantonio P, Iafrate F, **De Cecco CN**, Laghi A. Polyp detection in CT virtual colonoscopy, a preliminary study: 3D primary aproach versus 3D + CAR. ECR (European Congress of Radiology) 2007, Vienna, Austria.
10. Paolantonio P, Ferrari R, Iafrate F, **De Cecco CN**, Lucchesi P, Laghi A. MR-enterography in follow-up of paediatric patients with Crohn's disease. ECR (European Congress of Radiology) 2007, Vienna, Austria.
11. Iafrate F, Rengo M, Ferrari R, Paolantonio P, Stagnitti A, **De Cecco CN**, Laghi A. Prevalence of diverticular disease in a population of 406 consecutive patients undergoing CTC for abdominal pain. ESGAR (European Society of Gastrointestinal and Abdominal Radiology) 2007, Lisbon, Portugal.
12. Iafrate F, Rengo M, Ferrari R, Paolantonio P, **De Cecco CN**, Stagnitti A, Laghi A. Un-prepped CT colonography using gastrografin and low-fiber diet, "1-day-prep" versus 2 days of preparation":

comparison of results and patient compliance. ESGAR (European Society of Gastrointestinal and Abdominal Radiology) 2007, Lisbon, Portugal.

13. Iafrate F, Rengo M, Ferrari R, Paolantonio P, **De Cecco CN**, Stagnitti A, Laghi A. Three-dimensional virtual dissection on CT colonography: opening the colon to 360° to search for lesions. ESGAR (European Society of Gastrointestinal and Abdominal Radiology) 2007, Lisbon, Portugal.
14. **De Cecco CN**, Ferrari R, Iafrate F, Paolantonio P, Rengo M, Vecchietti F, Laghi A. Anatomic variations of the hepatic arteries in 150 patients studied with 64-row multidetector CT angiography. ESGAR (European Society of Gastrointestinal and Abdominal Radiology) 2007, Lisbon, Portugal.
15. **De Cecco CN**, Ferrari R, Iafrate F, Paolantonio P, Rengo M, Lucchesi P, Laghi A. Anatomic variations of the celiac trunk and the mesenteric arteries evaluated with 64-row Multidetector CT Angiography. ESGAR (European Society of Gastrointestinal and Abdominal Radiology) 2007, Lisbon, Portugal.
16. **De Cecco CN**, Iafrate F, Ferrari R, Paolantonio P, Rengo M, Anselmi A, Laghi A. Preliminary experience with a new software for atherosclerotic plaques composition analysis in CT coronarography. XXVth Meeting of the Society Of Cardiac Surgeons (SCS) 2007, Pamplona, Spain.
17. **De Cecco CN**, Ferrari R, Paolantonio P, Rengo M, Vecchietti F, Laghi A. Anatomical variations of the hepatic arteries: modern concepts and clinical implication of State-of-the-Art imaging. RSNA (Radiological Society of North America) 2007, Chicago, USA.
18. Ferrari R, Iafrate F, Paolantonio P, Rengo M, **De Cecco CN**, Laghi A. Evaluation of potential advantages of computer-aided diagnosis (CAD) in reporting CT colonography with a primary 2D approach. RSNA (Radiological Society of North America) 2007, Chicago, USA.
19. Di Girolamo M, Fregolino A, Sternberg JM, **De Cecco CN**, De Santis S, David V. Voiding MR-cystourethrography: a new diagnostic imaging technique for the evaluation of male low urinary tract. RSNA (Radiological Society of North America) 2007, Chicago, USA.
20. Di Girolamo M, Sternberg JM, Fregolino A, **De Cecco CN**, De Angelis F, David V. Evaluation with MRI of patients with hematopoietic neoplasm and spinal epidural and leptomeningeal spread: comparison with the results of lombar puncture. RSNA (Radiological Society of North America) 2007, Chicago, USA.
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24. Bastarrika G, Pueyo JC, Arraiza M, **De Cecco CN**, Zudaire B, Villanueva A. Image quality and optimal reconstruction interval for non-invasive coronary angiography with dual-source CT. ECR (European Congress of Radiology) 2008, Vienna, Austria.
25. Mastrobuoni S, Bastarrika G, Ubilla M, Pueyo J, Castano S, Azcarate P, **De Cecco CN**, Herreros J, Rabago G. Diagnostic efficacy of Dual Source CT coronary angiogram in heart transplant recipients in comparison with dobutamine stress echocardiography: initial experience. International Society for Heart and Lung Transplantation Conference, 2008, Boston. USA.
26. **De Cecco CN**, Ferrari R, Paolantonio P, Rengo M, Vecchietti F, Laghi A. Hepatic Arterial Anatomy: Modern Concepts and Clinical Implications of 64 CT Angiography. ESGAR (European Society of Gastrointestinal and Abdominal Radiology) 2008, Istanbul, Turkey.
27. **De Cecco CN**, Ferrari R, Paolantonio P, Rengo M, Lucchesi P, Laghi A. Anatomic variations of the hepatic arteries in 250 patients studied with 64-row multidetector CT angiography. ESGAR (European Society of Gastrointestinal and Abdominal Radiology) 2008, Istanbul, Turkey.
28. Rossi M, Citone M, Rebonato A, Greco L, Fina P, **De Cecco CN**, David V. Endovascular treatment of visceral aneurism: new techniques with stent-graft and amplatzer vascular plug. ESGAR (European Society of Gastrointestinal and Abdominal Radiology) 2008, Istanbul, Turkey.
29. Paolantonio P, Ferrari R, Lucchesi P, Vecchietti F, **De Cecco CN**, Laghi A. CTC: which are the right scanner parameters to use? ESGAR (European Society of Gastrointestinal and Abdominal Radiology) 2008, Istanbul, Turkey.
30. Di Girolamo M, **De Cecco CN**, De Biase L, Sternberg JM, Vitale V, David V. Patients with left bundle branch block: Evaluation of regional left ventricular dyssynchrony and detection of the possible pathogenesis by MRI. ESCR (European Society of Cardiac Radiology) 2008, Porto, Portugal.
31. **De Cecco CN**, Di Girolamo M, Vitale V, Maurizi Enrici M, David V. Coronary Artery By-pass Graft: Optimal reconstruction interval and image quality. ESCR (European Society of Cardiac Radiology) 2008, Porto, Portugal.
32. **De Cecco CN**, Di Girolamo M, Vitale V, Maurizi Enrici M, David V. Effect of mean heart rate and heart rate variability on image quality of coronary artery by-pass graft undergoing 16-row CT examination. ESCR (European Society of Cardiac Radiology) 2008, Porto, Portugal.
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34. **De Cecco CN**, Di Girolamo M, Vitale V, Maurizi Enrici M, David V. Septal Paradoxical Movement in Patient with Left Bundle Branch Block: Comparison between Cardiac MR and Ecography in Left Ventricular Function and Mass Quantification. ESCR (European Society of Cardiac Radiology) 2008, Porto, Portugal.
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39. Arraiza M, Bastarrika G, **De Cecco CN**, Pueyo J. Quantification of global left ventricular function and mass with Dual-Source CT in heart trasplant recipients: comparison of manual and semiautomatic segmentation algorithms. ESCR (European Society of Cardiac Radiology) 2008, Porto, Portugal.
40. **De Cecco CN**, Bastarrika G, Anselmi A, Pueyo J, Maurizi Enrici M, David V. Congenital heart disease: Dual Source CT (DSCT) Role. SICCH (Società Italiana di Chirurgia Cardiaca) 2008, Rome, Italy.
41. Melina G, **De Cecco CN**, Nardone S, Capuano F, Benedetto U, Fiorani B, Di Girolamo M, Taurino M, Faraglia V, David V, Sinatra R. Late patency evaluation of minimally invasive combined carotid carotid artery stenting and coronary artery bypass grafting. Preliminary results of a multislice computed tomography study. SICCH (Società Italiana di Chirurgia Cardiaca) 2008, Rome, Italy.
42. **De Cecco CN**, Di Girolamo M, Melina G, Nardone S, Sinatra R, Maurizi Enrici M, David V. Multidetector CT of coronary artery by-pass graft: optimal image quality and reconstruction interval. SICCH (Società Italiana di Chirurgia Cardiaca) 2008, Rome, Italy.
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44. Di Girolamo M, De Dominicis C, Tubaro A, **De Cecco CN**, Mariani S, David V. Urinary stress incontinence in women: evaluation with MRI using static and dynamic tests for the study of pelvic floor and during micturation. RSNA (Radiological Society of North America) 2008, Chicago, USA.
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48. **De Cecco CN**, Bastarrika G, Pueyo J, Di Girolamo M, Maurizi Enrici M, David V. Studio cardiaco mediante TC Dual Source: tecnica, protocolli di studio ed applicazioni cliniche. SIC (Società Italiana di Cardiologia) 2008, Rome, Italy.
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73. M. Rengo, D. Caruso, D. Bellini, M. Maceroni, **C.N. De Cecco**, M. Osimani, A. Laghi. Parenchymal enhancement in MDCT of the abdomen: iso-osmolar versus low-osmolar contrast media. ESGAR (European Society of Gastrointestinal and Abdominal Radiology) 2012, Edinburgh, United Kingdom.
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comparative study of experienced vs nonexperienced radiologists using 3D flythrough approach with and without CAD software. ECR (European Congress of Radiology) 2013, Vienna, Austria.

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79. P. Lucchesi, **C.N. De Cecco**, M. Rengo, M. Ciolina, D. Caruso, A. Laghi. Diffusion-weighted imaging in rectal cancer: comparison between 1.5 and 3T MR before, during and after neoadjuvant chemoradiotherapy. ESGAR (European Society of Gastrointestinal and Abdominal Radiology) 2013, Barcelona, Spain.
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83. Aleksander W. Krazinski; Phillip Blanke, MD; U. Joseph Schoepf, MD; Justin R. Silverman; **Carlo De Cecco**, MD; Lucas L Geyer, MD Low Volume, Low Iodine Concentration Contrast Medium Protocol for Comprehensive CT Planning of Transcatheter Aortic Valve Replacement. NASCI (North American Society of Cardiovascular Imaging) 2013, Atlanta, USA.
84. James V. Spearman, BSc; **Carlo N. De Cecco**, MD; U. Joseph Schoepf, MD; Felix G. Meinel, MD; Aleksander W. Krazinski, BA; Philip Costello, MD; Lucas L. Geyer, MD. CT Angiography for Aortic Root Measurements in TAVR Patients: Comparison of High-Pitch Dual-Source CT Image Acquisition versus Retrospective ECG-Gating. NASCI (North American Society of Cardiovascular Imaging) 2013, Atlanta, USA.
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92. Felix G. Meinel MD, U. Joseph Schoepf MD, **Carlo N. De Cecco** MD, Aleksander Krazinski, Maximilian F. Reiser MD, Lucas L. Geyer MD, Daniel H. Steinberg MD CT Angiography for Aortic Root Measurements in TAVR Patients: Comparison of High-pitch Dual-source CT Image Acquisition versus Retrospective ECG-Gating. RSNA (Radiological Society of North America) 2013, Chicago, USA.
93. Aleksander Krazinski, Philipp Blanke MD, U. Joseph Schoepf MD, Justin R. Silverman, **Carlo N. De Cecco** MD, Lucas L. Geyer MD, Fabian Bamberg MD, MPH, Daniel H. Steinberg MD Low Volume, Low Iodine Concentration Contrast Medium Protocol for Comprehensive CT Planning of Transcatheter Aortic Valve Replacement. RSNA (Radiological Society of North America) 2013, Chicago, USA.
94. Kevin G. Garrett MD, Justin R. Silverman, Aleksander Krazinski, Lucas L. Geyer MD, **Carlo N. De Cecco** MD, U. Joseph Schoepf MD, Gary F. Headden, Philip Costello MD, Felix G. Meinel MD, Pal Suranyi MD, PhD, James G. Ravenel MD Resident Interpretation of On-Call "Triple-Rule-Out" CT Studies in Patients with Acute Chest Pain. RSNA (Radiological Society of North America) 2013, Chicago, USA.
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imaging biomarker of tumoral response to neoadjuvant chemoradiotherapy in rectal cancer patients studied with 3T MR. ESGAR (European Society of Gastrointestinal and Abdominal Radiology) 2014, Salzburg, Austria

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Reconstruction: Image Quality, Attenuation and Radiation Dose. RSNA (Radiological Society of North America) 2014, Chicago, USA.

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111. Stefan Baumann MD, Felix G. Meinel MD, Christian Canstein, Martin U. Sedlmair MS, **Carlo N. De Cecco** MD, U. Joseph Schoepf MD, Bernhard Schmidt PhD, Brett S. Harris PhD, Thomas G. Flohr PhD Image Quality and Radiation Dose of Low Tube Voltage Third Generation Dual-Source Coronary CT Angiography in Obese Patients: A Phantom Study. RSNA (Radiological Society of North America) 2014, Chicago, USA.
112. Felix G. Meinel MD, Francesca Pugliese MD, PhD, U. Joseph Schoepf MD, Ullrich Ebersberger MD, **Carlo N. De Cecco** MD, Fabian Bamberg MD, MPH, Yining Wang MD, Yeon Hyeon Choe MD, PhD, Gladys G. Lo MD Prognostic Value of Stress Dynamic CT Myocardial Perfusion Imaging in a Multi-Center Population at Intermediate to High Cardiovascular Risk. RSNA (Radiological Society of North America) 2014, Chicago, USA.
113. Andrew D. McQuiston BS, U. Joseph Schoepf MD, **Carlo N. De Cecco** MD, Stefan Baumann MD, Matthias Renker MD, Felix G. Meinel MD, Christian Canstein. Ultra-Low Radiation Dose Coronary Calcium Scoring Using High-Pitch Spiral Acquisition and Reduced Tube Current at Third Generation Dual-Source CT. RSNA (Radiological Society of North America) 2014, Chicago, USA.
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116. Mangold S, Varga-Szemes A, **De Cecco CN**, Muscogiuri G, Cannao PM, Wichmann JL, Suranyi P, Rehwald WG, Schoepf UJ: Accuracy and reproducibility of native myocardial T1 mapping using 9,

- 10, and 11 heartbeat MOLLI acquisition schemes. ECR (European Congress of Radiology) 2015, Vienna, Austria.
117. Muscogiuri G, **De Cecco CN**, McQuiston A, Meinel FG, Wichmann JL, Varga-Szemes A, Cannao PM, Schoepf UJ: Approaches to ultra-low radiation dose coronary artery calcium scoring using 3rd generation dual-source CT: a phantom study. ECR (European Congress of Radiology) 2015, Vienna, Austria.
118. Cannao PM, Varga-Szemes A, Muscogiuri G, **De Cecco CN**, Renker M, Mangold S, Piccini D, Giri S, Schoepf UJ: Non-contrast 3D and QISS magnetic resonance angiography for pre-operative TAVR evaluation. ECR (European Congress of Radiology) 2015, Vienna, Austria.
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121. Wichmann JL, **De Cecco CN**, Meinel FG, Varga-Szemes A, Muscogiuri G, Cannao PM, Choe YH, Wang Y, Schoepf UJ. Left ventricular myocardial perfusion at stress dynamic CT: multi-center evaluation of relative and absolute territorial myocardial blood flow in patients with coronary artery stenosis. ECR (European Congress of Radiology) 2015, Vienna, Austria.
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123. Mario Castillo-Sang , U Joseph Schoepf, John S Ikonomidis, John M Toole, Martha Stroud, Scott Johnson, Daniel H Steinberg, Giuseppe Muscogiuri, **Carlo De Cecco**. Cardiac CT In Planning Leipzig Loop Technique For Mitral Valve Repair. AATS (American Association of Thoracic Surgeon) Mitral Conclave 2015 New York, USA.
124. Varga-Szemes A, van der Geest RJ, Spottiswood BS, Muscogiuri G, **De Cecco CN**, Suranyi P, Rehwald GW, Schoepf UJ: Quantification of myocardial late gadolinium enhancement using synthetic inversion recovery imaging. SCMR/EuroCMR (Society for Cardiovascular Magnetic Resonance) 2015, Nice, France
125. Varga-Szemes A, Cannao P, Muscogiuri G, Renker M, **De Cecco CN**, Giri S, Piccini D, Steinberg D, Schoepf UJ: Non-contrast 3D radial and QISS MRA for transcatheter aortic valve replacement planning. SCMR/EuroCMR (Society for Cardiovascular Magnetic Resonance) 2015, Nice, France.
126. Varga-Szemes A, van der Geest RJ, Spottiswoode BS, Muscogiuri G, **De Cecco CN**, Suranyi P, Rehwald WG, Schoepf UJ. T1-mapping based synthetic phase-sensitive inversion recovery imaging

for the accurate quantification of myocardial late gadolinium enhancement. ISMRM (International Society for Magnetic Resonance in Medicine) 2015, Toronto, Canada

127. Muscogiuri G, Varga-Szemes A, Schoepf UJ, **De Cecco CN**, Piccini D, Rehwald WG, Hlavacek AM, Nutting AC. Image quality and accuracy of a 3D whole-heart self-navigated sequence in comparison with cardiac computed tomography for the assessment of coronary artery anomalies. ISMRM (International Society for Magnetic Resonance in Medicine) 2015, Toronto, Canada.
128. Bucher A, Geyer LL, Wichmann JL, **De Cecco CN**, Meinel FG, Schoepf UJ, et al. Quantitative Evaluation of Beam-Hardening Artefact Correction at Dual-Energy CT Myocardial Perfusion Imaging. RSNA (Radiological Society of North America) 2015, Chicago, USA.
129. Mangold S, **De Cecco CN**, Wichmann JL, Stroebel M, Canstein C, Schoepf UJ, et al. Body Mass Index-Based Reduction of Radiation Exposure in Coronary CT Angiography Using a 3rd Generation Dual-Source CT Scanner. RSNA (Radiological Society of North America) 2015, Chicago, USA.
130. Varga-Szemes A, van der Geest RJ, Muscogiuri G, **De Cecco CN**, Wichmann JL, Schoepf UJ, et al. Inversion Time Dependence of the Accuracy of Late Gadolinium Enhancement Quantification Using T1 Map Based Synthetic Inversion Recovery Imaging. RSNA (Radiological Society of North America) 2015, Chicago, USA.
131. Wichmann JL, Felmly L, **De Cecco CN**, Varga-Szemes A, Mangold S, Schoepf UJ, et al. Low-Contrast-Medium-Volume Low-Tube-Voltage Computed Tomography for Planning Transcatheter Aortic Valve Replacement. RSNA (Radiological Society of North America) 2015, Chicago, USA.
132. Varga-Szemes A, Muscogiuri G, **De Cecco CN**, Suranyi P, Wichmann JL, Schoepf UJ, et al. Qualitative and Quantitative Image Quality of Lower Extremity Angiography Using Non-Contrast-Enhanced Quiescent Interval Single-Shot (QISS) MRA: Comparison with CTA. RSNA (Radiological Society of North America) 2015, Chicago, USA.
133. Muscogiuri G, Varga-Szemes A, **De Cecco CN**, Suranyi P, Wichmann JL, Schoepf UJ, et al. Image Quality and Accuracy of a Prototype Self-Navigated 3D Whole-heart Sequence for the Assessment of Coronary Artery Anomalies in a Pediatric Patient Population. RSNA (Radiological Society of North America) 2015, Chicago, USA.
134. Bucher A, Geyer LL, Wang R, Meinel F, Wichmann JL, **De Cecco CN**, Schoepf UJ, et al. Assessment of Semi-automatic Quantification of Non-Calcified Plaque as a Predictor of Outcome in Acute Chest Pain Patients at Coronary CT Angiography. RSNA (Radiological Society of North America) 2015, Chicago, USA.
135. Wichmann JL, Felmly L, **De Cecco CN**, Hardie A, Vogl TJ, Schoepf UJ, et al. Single- and Dual-Energy Acquisition with 2nd and 3rd Generation Abdominal Dual-Source CT: Direct Comparison of Scan Modes Regarding Radiation Dose and Image Quality. RSNA (Radiological Society of North America) 2015, Chicago, USA.
136. Wichmann JL, Gillott MR, **De Cecco CN**, Varga-Szemes A, Vogl TJ, Schoepf UJ, et al. Impact of Noise-Optimized Virtual Monochromatic Imaging at Third-Generation Dual-Source Dual-Energy CT Angiography of the Lower Extremity Run-off. RSNA (Radiological Society of North America) 2015, Chicago, USA.

137. Fuller SR, Caruso D, Hinen S, Wichmann JL, De Cecco CN, Mangold S, Tesche C, Varga-Szemes A, Schoepf UJ. C.S.I. coronary scene investigation: plaque composition analysis in a STEMI population. ECR (European Congress of Radiology) 2016, Vienna, Austria.
138. Mangold S, Wichmann JL, **De Cecco CN**, Varga-Szemes A, Caruso D, Poole Z, Fuller S, Nikolaou K, Schoepf UJ. Diagnostic accuracy of coronary CT angiography with 3rd generation dual-source CT and automated tube voltage selection: clinical application in a non- obese and obese patient population. ECR (European Congress of Radiology) 2016, Vienna, Austria.
139. Mangold S, Wichmann JL, **De Cecco CN**, Varga-Szemes A, Caruso D, Stubenrauch A, Fuller S, Nikolaou K, Schoepf UJ. Impact of a noise-optimized virtual monoenergetic reconstruction algorithm on stent visualization and detection of in-stent restenosis in lower extremity run-off CT angiography S. ECR (European Congress of Radiology) 2016, Vienna, Austria.
140. Wichmann JL, De Cecco CN, Varga-Szemes A, Mangold S, Vogl TJ, Schoepf UJ. Noise-optimised virtual monochromatic imaging improves image quality in 3rd-generation dual- source dual-energy CT angiography of the lower extremity run-off. ECR (European Congress of Radiology) 2016, Vienna, Austria.
141. Pelgrim G, Nieuwenhuis ER, Wichmann JL, **De Cecco CN**, Van der Geest R, Slump KH, Oudkerk M, Schoepf UJ, Vliegenthart R. Optimal timing of static CT iodine distribution scans based on dynamic CT myocardial perfusion imaging data. ECR (European Congress of Radiology) 2016, Vienna, Austria.
142. Pelgrim G, Vliegenthart R, Meinel FG, Wichmann JL, Pugliese F, **De Cecco CN**, Oudkerk M, Schoepf UJ. Relationship of cardiovascular risk factors to myocardial perfusion parameters using dynamic computed tomography myocardial perfusion imaging. ECR (European Congress of Radiology) 2016, Vienna, Austria.
143. Varga-Szemes A, Muscogiuri G, **De Cecco CN**, Suranyi P, Mangold S, Piccini D, Hlavacek A, Nutting AC, Schoepf UJ. Self-navigated 3D radial whole-heart MRA for the assessment of coronary artery anomalies in paediatric patients: comparison with coronary CTA. ECR (European Congress of Radiology) 2016, Vienna, Austria.
144. Varga-Szemes A, Muscogiuri G, Suranyi P, Rehwald WG, **De Cecco CN**, Mangold S, Caruso D, Fuller SR, Schoepf UJ. Detection and quantification of myocardial infarction using a dark blood late gadolinium enhancement technique. ECR (European Congress of Radiology) 2016, Vienna, Austria.
145. Bucher AM, Wang R, Wichman JL, Meinel FG, **De Cecco CN**, Vogl TG, Schoepf UJ. Assessment of semi-automatic plaque quantification of non-calcified plaque as a predictor of outcome for acute chest pain patients at coronary CT angiography. ECR (European Congress of Radiology) 2016, Vienna, Austria.
146. Caruso D, Wichmann JL, De Cecco CN, Mangold S, Tesche C, Canstein C, Varga-Szemes A, Laghi A, Schoepf UJ. An optimised correction factor for calcium scoring using advanced modeled iterative reconstruction in 3rd generation dual-source CT: in vitro and in vivo analysis. ECR (European Congress of Radiology) 2016, Vienna, Austria.

147. Fuller SR, Caruso D, Rames J, Wichmann JL, **De Cecco CN**, Mangold S, Tesche C, Varga-Szemes A, Schoepf UJ. Cardiac CT and coronary angiography evaluation in an NSTEMI population. ECR (European Congress of Radiology) 2016, Vienna, Austria.
148. Fuller SR, Caruso D, Stroebel M, Burghard P, **De Cecco CN**, Mangold S, Tesche C, Varga-Szemes A, Schoepf UJ. Preoperative CT evaluation of minimally invasive Leipzig loop repair of the mitral valve apparatus: direct comparison with intra-surgical measurements. ECR (European Congress of Radiology) 2016, Vienna, Austria.
149. Meinel F, Spearman J, Schoepf UJ, Rottenkolber M, Driesser I, Canstein C, Thierfelder K, Krazinski A, **De Cecco CN**. Impact of automated attenuation-based tube voltage selection on radiation dose at CT: an observational study on a global scale. ECR (European Congress of Radiology) 2016, Vienna, Austria.
150. **De Cecco CN**, Caruso D, Laghi A, Sheafor D, Schaefer A, Hardie AD. Optimization of the Window/Level Settings for Virtual Monoenergetic Imaging in Dual-Energy CT of the Liver: A Multi-Reader Evaluation of Standard Monoenergetic and Advanced Imaged-Based Monoenergetic Data-Sets. ESGAR (European Society of Gastrointestinal and Abdominal Radiology) 2016, Prague, Czech Republic.
151. Caruso D, **De Cecco CN**, Schoepf UJ, Wichmann JL, Varga-Szemes A, Laghi A. Dual-energy CT angiography of the abdomen: optimization of window/level settings. ESGAR (European Society of Gastrointestinal and Abdominal Radiology) 2016, Prague, Czech Republic. **"ESGAR Top 20" presenters award.**
152. Wichmann J, **De Cecco CN**, Albrecht M, Scholtz J, Vogl T, Schoepf U. Evaluation von Bildqualität und diagnostischer Genauigkeit von rausch-optimierten monochromatischen Datensätzen bei Dritte-Generation Dual-Source Dual-Energy CT-Angiografie Angiografie der unteren Extremitäten. Deutschen Röntgenkongress 2016, Leipzig, Germany.
153. Meinel F, Spearman J, Rottenkolber M, Driesser I, Canstein C, Thierfelder K, Krazinski A, **De Cecco CN**, Schoepf U. Auswirkung einer automatisierten Auswahl der Röhrenspannung auf die Strahlendosis in der CT – eine weltweite Beobachtungsstudie. Deutschen Röntgenkongress 2016, Leipzig, Germany.

ROUND TABLES PANELIST

1. Dual Energy CT Round Table. *Panelist*. Society of Computed Body Tomography and Magnetic Resonance (SCBT-MR), October 10, 2013, Tucson, AZ, USA.
2. Dual Energy CT Round Table. *Panelist*. Society of Computed Body Tomography and Magnetic Resonance (SCBT-MR), September 28, 2014, New Orleans, LA, USA.
3. Debate DECT "Should My Practice Invest in a Dual Energy CT Scanner?". *Panelist*. Society of Computed Body Tomography and Magnetic Resonance (SCBT-MR), October 10, 2015, Toronto, Canada.
4. Question and Answer Panel. Abdominal Oncology. *Panelist*. Society of Computed Body Tomography and Magnetic Resonance (SCBT-MR), October 11, 2015, Toronto, Canada.

CONGRESSES AND COURSES ORGANIZATION

1. Controversies in Cardiac Imaging. Role: *Scientific Organization*. International Workshop, May 5-6, 2011, Chianciano Terme, Siena, Italy.
2. Imaging e Tumori: Polmone, Colon-retto e Prostata. Role: *Scientific Organization*. Annual Meeting Lazio Regional Group of the Italian Society of Radiology (SIRM), December 16-17, 2011, Rome, Italy.
3. Abdominal Imaging. I Incontro Giovani Radiologi del Lazio. Role: *Meeting Organizer, Scientific Organization*. Italian Society of Medical Radiology (SIRM), April 16, 2012, Rome, Italy.
4. La Risonanza Magnetica in Cardiologia – Corso Teorico Pratico. Role: *Cardiac MR Tutor*. University of Rome “Sapienza”, June 8-9, 2012, Rome, Italy.
5. Corso Base di Addestramento alla Cardio-TC. Role: *Scientific Organization, Cardiac CT Tutor*. University of Pisa, July 6-7, 2012, Pisa, Italy.
6. Musculoskeletal Imaging. II Incontro Giovani Radiologi del Lazio. Role: *Meeting Organizer, Scientific Organization*. Italian Society of Medical Radiology (SIRM), October 10, 2012, Rome, Italy.
7. Hot Topics in Radiologia. Role: *Scientific Organization*. Annual Meeting Lazio Regional Group of the Italian Society of Medical Radiology (SIRM), December 14-15, 2012, Rome, Italy.
8. Female Pelvis Imaging. III Incontro Giovani Radiologi del Lazio. Role: *Meeting Organizer, Scientific Organization*. Italian Society of Medical Radiology (SIRM), April 17, 2013, Rome, Italy.
9. Corso Base di Addestramento alla Cardio-TC. Role: *Scientific Organization, Cardiac CT Tutor*. University of Rome “Sapienza”, May 9-10, 2013, Rome, Italy.
10. Gastrointestinal Imaging. IV Incontro Giovani Radiologi del Lazio. Role: *Meeting Organizer, Scientific Organization*. Italian Society of Medical Radiology (SIRM), September 18, 2013, Rome, Italy.
11. Il Radiologo Bifronte: Tra Clinica ed Organizzazione. Role: *Scientific Organization*. Annual Meeting Lazio Regional Group of the Italian Society of Radiology (SIRM), December 13-14, 2013, Rome, Italy.
12. Multimedia Classroom – Oncologic Imaging. Role: *Tutor*. European Congress of Radiology (ECR), March 6-10, 2014, Vienna, Austria.
13. New Frontiers in Cardiac CT. Role: *Symposium Organizer, Scientific Organization*. International Symposium. University of Rome “Sapienza”, October 22, 2014, Rome, Italy.
14. Corso di Addestramento Residenziale in TC Cardiovascolare. Role: *Scientific Organization, Tutor*. University of Rome “Sapienza”, November 8-9, 2014, Latina, Italy.
15. La Stadiazione ed il Follow-Up in Oncologia tra Realtà, Velleità ed Iperattività. Role: *Scientific Organization*. Annual Meeting Lazio Regional Group of the Italian Society of Radiology (SIRM), December 12-13, 2014, Rome, Italy.
16. Multimedia Classroom – Oncologic Imaging. Role: *Tutor*. European Congress of Radiology (ECR), March 4-8, 2015, Vienna, Austria.
17. Corso Base di Addestramento alla Cardio-TC. Role: *Scientific Organization, Cardiac CT Tutor*. University of Rome “Sapienza”, May 14-16, 2015, Rome, Italy.
18. Hands-on Myocardial CT Perfusion Workshop. Program Chairs: Schoepf UJ, De Cecco CN, Ghosshajra BB. Society of Cardiac Computed Tomography (SCCT) Annual Meeting, June 22 2016,

Orlando, USA.

INDUSTRY ADVISORY BOARD MEETING

1. Guerbet MRI Advisory Board Meeting. Boston Harbor Hotel, October 18, 2015, Boston, MA, USA.

ONGOING RESEARCH SUPPORT

1. Title: Application of Integrated PET and Dual Energy CT Imaging for Staging and Imaging Based Radiotherapy Treatment Planning in Lung Cancer.
Sponsor: Siemens Medical Solution USA
Total Amount: \$200,000
PI: Carlo N. De Cecco
2. Title: Collaboration projects with Bayer Healthcare – Project 1: Analysis of radiation dose range before and after Radimetrics implementation. Project 2: To develop a library of template injection protocols using preset parameters for the new Certegra workstation and to explore possible kV adaptation for PT3.
Sponsor: Bayer Healthcare
Total Amount: \$400,000
PI: U. Joseph Schoepf
Role: Co-Investigator
3. Title: Comparison between MRI and CTA in evaluation of proximal coronary artery anatomy in pediatric patients – Non Inferiority Study
Sponsor: Siemens Medical Solution USA
Total Amount: \$154,700
PI: U. Joseph Schoepf
Role: Co-Investigator
4. Title: Coronary CT angiography using a novel 3rd generation dual-source CT system: Diagnostic Performance and Potential for Reduction in Radiation Dose and Contrast Material Requirement (Pro00030800)
Sponsor: Siemens Medical Solution USA
Total Amount: \$67,633
PI: U. Joseph Schoepf
Role: Co-Investigator
5. Title: Accuracy and Efficiency of Cardiac MRI Functional Analysis Using and Automated Segmentation Method (Pro00034445)
Sponsor: Medical University of South Carolina Radiology Department Support
Total Amount: \$19,134
PI: U. Joseph Schoepf
Role: Co-Investigator
6. Title: Magnetic Resonance (MR) Imaging Biomarkers in the evaluation of Tumoral Response to Neoadjuvant Chemoradiotherapy in Rectal Cancer
Sponsor: Italian Society for Cancer Research (AIRC) Investigator Grant (2013/14129)

CARLO N. DE CECCO, MD, PhD

Total Amount: 286,300 Euro

PI: Andrea Laghi

Role: Co-Investigator

7. Title: Predictive Relevance of Markers from Coronary Computed Tomographic Angiography for Hemodynamically Significant Stenoses Confirmed by Invasive Fractional Flow Reserve (Pro00034622)
Sponsor: Medical University of South Carolina Radiology Department Support
PI: U. Joseph Schoepf
Role: Co-Investigator
8. Title: Evaluation of patient demographic factors on Cumulative Effective dose: An investigation of Health Disparity in Radiology (Pro00046613)
Sponsor: Medical University of South Carolina Radiology Department Support
PI: U. Joseph Schoepf
Role: Co-Investigator
9. Titel: Dual Energy Computed Tomography for Ischemia Determination Compared to "Gold Standard" (Pro00047343)
Sponsor: National Heart Lung and Blood Institute (NHLBI)
PI: U. Joseph Schoepf
Role: Co-Investigator
10. Title: The CREDENCE Trial (Computed Tomographic Evaluation of Atherosclerotic Determinants of Myocardial Ischemia)(Pro00047124)
Sponsor: National Heart Lung and Blood Institute (NHLBI)
PI: U. Joseph Schoepf
Role: Co-Investigator
11. Title: Dynamic CT Angiography after Abdominal Aortic Endovascular Aneurysm Repair for the Detection of Endoleaks using a 3rd generation Dual-Source Dual-Energy CT (Pro00044160)
Sponsor: Medical University of South Carolina Radiology Department Support
PI: U. Joseph Schoepf
Role: Co-Investigator
12. Title: Myocardial Stress Perfusion Computed Tomography in the Evaluation of Patients with Acute Chest Pain using a novel 3rd generation dual-source CT system (Pro00031584)
Sponsor: Siemens Medical Solution USA
PI: U. Joseph Schoepf
Role: Co-Investigator
13. Title: Fraction flow reserve - a comparison of coronary CT angiography with invasive cardiac catheterization (Pro00032880)
Sponsor: Medical University of South Carolina Radiology Department Support
PI: U. Joseph Schoepf
Role: Co-Investigator
14. Title: Novel Magnetic Resonance Imaging Techniques For Quantitative Cardiac Parametric Mapping (Pro000365552)

CARLO N. DE CECCO, MD, PhD

Sponsor: Medical University of South Carolina Radiology Department Support
PI: U. Joseph Schoepf
Role: Co-Investigator

15. Title: Development of Cardiovascular MRI Approaches (Pro00035686)
Sponsor: Medical University of South Carolina Radiology Department Support
PI: U. Joseph Schoepf
Role: Co-Investigator
16. Title: Multi-Organ MRI Assessment in Sickle Cell Disease (Pro00035898)
Sponsor: Medical University of South Carolina Radiology Department Support
PI: U. Joseph Schoepf
Role: Co-Investigator
17. Title: Evaluation of Novel Post-Processing Algorithms of Cardiac Dual-Source Computed Tomography (Pro00041422)
Sponsor: Medical University of South Carolina Radiology Department Support
PI: U. Joseph Schoepf
Role: Co-Investigator
18. Title: Feasibility of Aortic Root and Femoral Artery Evaluation using Non-Contrast MR Angiography: A Pilot Study (Pro00033381)
Sponsor: Medical University of South Carolina Radiology Department Support
PI: U. Joseph Schoepf
Role: Co-Investigator
19. Title: Clinical Validity of Negative Cardiac Imaging Examinations: A Comparison of coronary CT angiography, SPECT, and cardiac catheterization (Pro00026659)
Sponsor: Medical University of South Carolina Radiology Department Support
PI: U. Joseph Schoepf
Role: Co-Investigator
20. Title: Diagnostic Image Quality and Safety of Low-Volume, Low-Concentration, Iso-Osmolar Contrast Medium in the Computed Tomographic Workup of Patients Considered for TAVR (Pro000197770)
PI: U. Joseph Schoepf
Sponsor: General Electric Healthcare
Role: Co-Investigator
21. Title: Feasibility and Diagnostic Accuracy of Dual Energy Computed Tomography (DECT) Angiography in Patients with Peripheral Artery Disease (Pro00040250)
Sponsor: Medical University of South Carolina Radiology Department Support
PI: U. Joseph Schoepf
Role: Co-Investigator
22. Title: Additional value of Triple rule-out CT in the emergency department in patients with acute chest pain (Pro00035701)
Sponsor: Medical University of South Carolina Radiology Department Support
PI: U. Joseph Schoepf
Role: Co-Investigator

COMPLETED RESEARCH SUPPORT

1. 2012-2013
Title: Role of Perfusional Magnetic Resonance Imaging and Diffusion Weighted Imaging to Predict Pathological Complete Response to Neoadjuvant Chemoradiotherapy in Rectal Cancer
Sponsor: University of Rome Sapienza - Research Grant for Young Investigators
Total Amount: 2,000 Euro
Role: PI

2. 3/1/2013-1/26/2015
Title: Diagnostic Image quality and safety of low-concentration, iso-osmolar contrast medium in the computed tomography workup of patients considered for trans aortic valvular replacement (TAVR)
Sponsor: General Electric Healthcare
Total Amount: \$150,000
PI: U. Joseph Schoepf
Role: Co-Investigator

3. 5/28/2013-4/30/2015
Title: Assess relative merits of Hexabrix versus Visipaque for risk of acute kidney injury post cardiac catheterization and intervention
Sponsor: Guerbet Healthcare
Total Amount: \$80,000
PI: U. Joseph Schoepf
Role: Co-Investigator

4. 1/14/2014 -1/13/2015
Title: Virtual Unenhanced Images of the Abdomen with 3rd generation dual-source dual-energy CT: Image quality and diagnostic performance in liver lesion detection.
Sponsor: Siemens Medical Solution USA
Total Amount: \$250,000
PI: U. Joseph Schoepf
Role: Co-Investigator

5. 1/14/2014 -1/13/2015
Title: Coronary CT angiography using a novel 3rd generation dual-source CT system: diagnostic performance and potential for reduction in radiation dose and contrast material requirement
Sponsor: Siemens Medical Solution USA
Total Amount: \$250,000
PI: U. Joseph Schoepf
Role: Co-Investigator

6. 2/9/2014 -3/7/2015
Title: Texture Analysis as Imaging Biomarker of Tumoral Response to Neoadjuvant Chemoradiotherapy in Rectal Cancer Patients Studied with 3T MR
Sponsor: University of Rome Sapienza
Total Amount: 4,000 Euro
Role: PI