

CURRICULUM VITAE – Constantine Apostolos Raptis, MD

BORN: September 7, 1977; Hinsdale, IL

CITIZENSHIP: US

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PRESENT POSITION: Cardiothoracic Imaging Section
Associate Professor in Diagnostic Radiology (2017-present)
Director of Thoracic MRI (2011-present)
Co-Director Emergency Radiology (2012-present)
Mallinckrodt Institute of Radiology
Washington University School of Medicine, St. Louis, MO

EDUCATION:

Undergraduate: University of Chicago, Chicago, IL
B.S. Biochemistry, June, 1999

Graduate: University of Pennsylvania School of Medicine, Philadelphia, PA
M.D., May, 2004

Postgraduate: St. John's Mercy Medical Center, Creve Coeur, MO
Transitional Year Internship, Completed June, 2005

Postgraduate: Mallinckrodt Institute of Radiology, St. Louis, MO
Radiology Residency, 2005-2009

Postgraduate: Mallinckrodt Institute of Radiology, St. Louis, MO
Body MRI Fellow, 2009-2010

CLINICAL TITLE AND RESPONSIBILITIES

Director of Thoracic MRI (2011-present)
Mallinckrodt Institute of Radiology, St. Louis, MO

Co-Director Emergency Radiology (2012-present)
Mallinckrodt Institute of Radiology, St. Louis, MO

Faculty mentor for Diagnostic Radiology Residents (2010-present)
Mallinckrodt Institute of Radiology, St. Louis, MO

Faculty mentor for Medical Students (2013-present)
Mallinckrodt Institute of Radiology, St. Louis, MO

TEACHING TITLES AND RESPONSIBILITIES

Course coordinator and lecturer for Goldfarb School of Nursing Radiology Course

- Approximately 15-20 students

UNIVERSITY / HOSPITAL / DEPARTMENTAL APPOINTMENTS AND COMMITTEES:

Mallinckrodt Institute of Radiology Residency Selection Committee: 10/2009-1/2019
Barnes-Jewish West County Hospital Quality Assurance Committee: 10/2010-6/2017
Barnes-Jewish Hospital Radiology Quality Committee: 7/2011-Present
Courtesy Faculty at Rank of Assistant Professor at Goldfarb School of Nursing: 7/2016-Present

MEDICAL AND BOARD CERTIFICATION:

USMLE Completed, May 2005
American Board of Radiology, June 2009

HONORS AND AWARDS:

Mallinckrodt Institute of Radiology 2019-2020 Teacher of the Year

RSNA 2019 Honored Educator Award

RSNA 2020 Certificate of Merit Awards

- Awarded for “Tearing Down the Wall: An Approach to Chest Wall Lesions” by Mansour J, Heeger A, Parkar N, Abbott G, Kiernan J, Hammer M, Raptis D, Bhalla S, **Raptis CA**
- Awarded for “Revisiting Histo-ry: Histoplasmosis Infections in the Current Era” by Robb C, Naeem M, **Raptis CA**, Bhalla S, Raptis DA
- Awarded for “Rooting for You: Imaging the Post-Operative Ascending Aorta and Aortic Arch” by Marquis KM, Raptis DA, Steinbrecher KL, Ohman W, Bhalla S, **Raptis CA**

***Journal of Thoracic Imaging* Editors’ Recognition Awards For Distinction in Reviewing**

- Schoepf UJ, Kanne JP, Shaham D. “Editors’ Recognition for Reviewing in 2019.” 2020 Jan; 35(1):1

RSNA 2019 Magna Cum Laude Award

- Awarded for “Pitfalls in Interpreting CT Pulmonary Angiograms” by DeSimone A, **Raptis CA**, Henry TS, Bhalla S, Hammer MM

RSNA 2019 Certificate of Merit Award

- Awarded for “Finding Hemo: Approach to the Imaging of Hemoptysis” by Marquis KM, **Raptis CA**, Rossi S, Picus D, Rajput M, Bhalla S

RSNA 2018 Certificate of Merit Awards

- Awarded for “Beyond T.B.: Non-infectious Granulomatous Diseases of the Chest” by Naeem M, Ballard DH, Jawad H, **Raptis CA**, Bhalla S.
- Awarded for “Advanced Imaging of Non-Tumoral Chest Diseases” by Broncano J, Luna A, Vargas D, Erasmus JJ, **Raptis CA**, Bhalla S
- Awarded for “Complications of Mimics in the Post-Surgical Aorta” by Green D, Johnson WR, **Raptis CA**

Radiology Editor’s Recognition Award for Reviewing with Distinction

- Bluemke DA. “Editor’s Recognition Awards.” *Radiology*. 2019 Jan; 290 (1):1-2.

Radiology Editor’s Recognition Award for Reviewing with Distinction

- Bluemke DA. “Editor’s Recognition Awards.” *Radiology*. 2018 Jan; 286 (1):2-3.

Radiology Editor’s Recognition Award for Reviewing with Distinction

- Kressel HY. “Editor’s Recognition Awards.” *Radiology*. 2017 Jan; 282 (1):2-3.

RSNA 2016 Certificate of Merit Awards

- Awarded for “Functional Imaging of Chest Wall Tumors” by Broncano J, Caro Mateo F, Gomez Cabrera M, **Raptis CA**, Caro P, Cummings KW, Alvarez-Kindelan A, Bhalla S, Luna A.
- Awarded for “Imaging Features in Vascular Compression Syndromes: A Case Based Pictorial Review” by Vasconcelos Paulo Neto T, Haberman DM, Torrent M, Volpacchio M, **Raptis CA**, Gutierrez FR, Ohausclio P.

RSNA 2015 Cum Laude Educational Exhibit Award

- Awarded for “Vasculitis in the Emergency Room Setting” by Ratkowski KL, Mellnick VM, Lubner MG, Bhalla S, **Raptis CA**.

RSNA 2015 Certificate of Merit Awards

- Awarded for “Tracheobronchial Injuries: Current Imaging Strategies to Guide Management” by Sayer C, **Raptis CA**, Bhalla S, Kuppusamy M, Vlahos I.
- Awarded for “The Gravity of the Situation: Pregnancy Related Vascular Complications” by Plowman RS, Menias CO, Colombo M, Javidan-Nejad C, **Raptis CA**, Mellnick VM, Bhalla S, Katz DS.

- Awarded for “Complications of Gynecologic Surgery” by Tsai R, Mellnick VM, **Raptis CA**, Siegel CL, Raptis D.

Radiology Editor’s Recognition Award for Reviewing with Distinction

- Kressel HY. “Editor’s Recognition Awards.” *Radiology*. 2015 Jan; 274:10-11.

ASER 2014 Summa Cum Laude Educational Exhibit Award

- Awarded for “Red Connection: A Pictorial Review of Aortic Fistulae.” by Sipe A, Saling L, Mellnick VM, **Raptis CA**, Bhalla S.

RSNA 2013 Cum Laude Educational Exhibit Award

- Awarded for “Unclean Sweep: Duodenal Pathology in the Emergency Department Patient” by Bradenham CH, Oweis Y, Mellnick VM, **Raptis CA**, Menias CO.

RSNA 2013 Educational Exhibit Certificate of Merit Awards

- Awarded for “Coming to Terms with CT Radiation in the Chest: A Primer” by Jokerst CE, **Raptis CA**, Bierhals AJ, Ramirez Giraldo JC, Bhalla S.
- Awarded for “Tract and Field: Imaging in Sports-Related GU Trauma” by Menias CO, Bhalla S, Mellnick VM, **Raptis CA**, Siegel CL, Dahiya N.
- Awarded for “Time Is of the Essence: The Role of Time Resolved MRA for Body Imagers and Interventionalists” by Owen JW, Fowler KJ, Saad NE, **Raptis CA**, Owen WA, Narra VR.
- Awarded for “Emerging Noncontrast MRA Techniques for the Body Imager” by Shetty AS, Maxwell JC, Fowler KJ, Yano M, Saad NE, **Raptis CA**, Narra V.

RSNA 2012 Educational Exhibit Certificate of Merit Awards

- Awarded for “Clot or Not: The Imaging of Intra-Thoracic Thrombus, Associated Pathophysiology, and Potential Pitfalls” by Jokerst CE, **Raptis CA**, Mhapsekar R, Bierhals AJ, Woodard PK, Javidan-Nejad C.
- Awarded for “MRI of Iatrogeny” by Maxwell J, Yano M, Shaw H, Fowler KJ, Saad N, Menias CO, **Raptis CA**, Narra V.

RSNA 2011 Educational Exhibit Certificate of Merit Awards

- Awarded for “From Ormond to Erdheim Chester Disease: A Gamut of Retroperitoneal Space Pathology” by Karimova EJ, Fowler KJ, **Raptis CA**, Menias CO.

NASCI 2011 Best Poster Competition (Honorable Mention)

- Awarded for “True or False? Distinguishing Left Ventricular Aneurysms from Pseudoaneurysms using Cardiac CT and MRI” by Jokerst CE, Azok J, **Raptis C**, Javidan C, Bhalla S, Gutierrez F, Woodard P.

RSNA 2010 Educational Exhibit Certificate of Merit Awards

- Awarded for “Pseu- Pseu- Pseudo! Pseudolesions of the Chest, Abdomen, and Pelvis” by **Raptis CA**, Slat D, Raptis DA, Fowler KT, Henry TS, Mellnick V, Peterson C, Menias C, Bhalla S.

- Awarded for “eMeRgencIes: MR Imaging of Emergent Conditions” by Parker RA, Jokerst CE, Mellinck V, **Raptis CA**, Bhalla S, Baker JC, Vo K.
- Awarded for “Thinking Outside the Appendix: MR Imaging of the Acute Abdomen in Pregnancy” by Parker RA, Fowler KJ, Cardall S, Tai AW, **Raptis CA**, Menias CO, Narra V.

NASCI 2010 Best Poster Competition (Honorable Mention)

- Awarded for “Initial Clinical Experience with Gadofosveset Trisodium in the United States” by **Raptis CA**, Raptis DA, Henry T, Parker R, Fowler K, Narra V, Woodard P.

RSNA 2009 Educational Exhibit Certificate of Merit Awards

- Awarded for “MRE: A pictorial review with over 500 case experience” by Fowler, K., **Raptis CA**, Kumar N, Lin M, Brown J, Menias C, Narra V.
- Awarded for “Ins and Outs of the Liver: A Multimodality Approach to Hepatic Vascular Occlusion” by Mellnick M, Lubner M, McDowell C, **Raptis CA**, Menias C.

RSNA 2008 Magna Cum Laude Educational Exhibit Award

- Awarded for “Vasculitides and vascular syndromes of the abdomen and pelvis: A pictorial review” by Lubner ML, **Raptis CA**, Parker RA, Fowler KJ, Bhalla S, Menias CO.

Siemens-AUR Radiology Resident Academic Development Program Invitee

- Awarded stipend to attend the 2007 AUR meeting in Denver, CO and participate in a program dedicated to preparing radiology residents for careers in academic radiology

Merck Manual Award, University of Pennsylvania, 2004

- Given for recognition of meritorious academic achievement in medical school

Alpha Omega Alpha Honor Society, University of Pennsylvania, 2003**NIH-funded Short Term Training Grant, 2001**

- Awarded to fund research conducted with Dr. Greg Kopf of the University of Pennsylvania Center for Reproduction and Women’s Health

Mary Mulvaney Scholar Athlete Award, University of Chicago, 1999

- Award given to the graduating senior athlete with the highest cumulative GPA

Phi Beta Kappa Honor Society, University of Chicago, 1999**Student Marshall, University of Chicago, 1998-1999**

- Highest honor given at the University of Chicago for excellence in academic achievements

Argonne Scholarship Award, 1995-1999

- Scholarship for full tuition at the University of Chicago awarded to selected sons/daughters of Argonne employees

EDITORIAL RESPONSIBILITIES:

Reviewer for Radiology: 12/2010-Present

Reviewer for Journal of Thoracic Imaging: 12/2010-Present

Reviewer for Radiographics: 12/2017-Present

NATIONAL SOCIETY MEMBERSHIPS, COMMITTEES, BOARDS:

American Board of Radiology

- Member of Thoracic Core Examination creation committee (2017-present)

Radiological Society of North America

- Served on the Educational Exhibit Award Committee (2010-2013)
- Radiographics Panel (2012-Present)

Society of Thoracic Radiology

- Served on ACR-SPR-STR Practice Guideline for the Performance of Pulmonary Scintigraphy Committee (2013-2014)
- COVID-19 Committee (2020-present)
- 2020 Annual Meeting Planning Group

American College of Radiology

- Question writer for Cardiothoracic Imaging Section of In-Service Exam (2014-current)
- Question writer for Emergency Radiology Self-Assessment Module (2014-current)
- Serve on the ACR appropriateness committee for thoracic imaging (2018-present)
- 2021 Annual Meeting Planning Group for STR Crossover Session

American Society of Emergency Radiology

- 2016 Annual Meeting Planning Committee
- COVID-19 Recommendations Committee (2020-present)

American Roentgen Ray Society

- National meeting abstract reviewer (2018-present)

International Society for Magnetic Resonance in Medicine

Eastern Radiologic Society

INVITED PROFESSORSHIPS AND LECTURESHIPS:

Young Faculty Development Panel Discussion (Leader)

- Society of Thoracic Radiology, Virtual Meeting, March 2021

The Anterior Mediastinum: Management Matters

- Society of Thoracic Radiology Resident Course, Virtual Meeting, March 2021

MRI of the Anterior Mediastinum: Pearls and Pitfalls

- Israeli Radiology Society, December 2020

Imaging of the Acute Aorta**Essentials of Diagnosis: PE and Friends****Moving the Needle: Imaging of Pulmonary Infections**

- Orlando World CME, Virtual Meeting, December 2020

Thymic MRI: Diagnoses and Pitfalls

- International Thymic Malignancies Interest Group (ITMIG) Webinar, November 2020

E-Cigarette or Vaping-Associated Lung Injury

- American Society of Emergency Radiology, Virtual Meeting, September 2020

Imaging of Ascending Aortic Repair and Complications

- University of New Mexico Visiting Professorship, July 2020

Pulmonary Embolism and Friends

- MRIonline.com, June 2020

Imaging of Ascending Aortic Repair and Complications

- Kaiser Permanente Los Angeles Grand Rounds, April 2020

Ascending Aortic Repair

- Society of Thoracic Radiology, Palm Desert, CA, March 2020

CT of Pulmonary Thromboembolic Disease

- Essentials of Diagnosis Program, Radiology Society of North America, Chicago, IL, December 2019

CT of the Acute Aortic Syndrome: Dissection Equivalents

- Radiology Society of North America, Chicago, IL, December 2019

Imaging of Thoracic Vasculitis**Aortic Injury in 2019: Diagnostic Radiology Matters****Cross-sectional Imaging of the Acute Aortic Syndrome**

- Vancouver Imaging Review, Vancouver, BC, October 2019

Acute Aorta: Mimics, Pitfalls, and Difficult Cases

- American Society of Emergency Radiology, Scottsdale, AZ, September 2019

Trauma Mama: Imaging of Trauma in the Pregnant Patient**Moving the Needle: Imaging of Pulmonary Infections****Cross-sectional Imaging of the Acute Aortic Syndrome**

- Argentinian Radiology Congress (CADI), Buenos Aires, AR August 2019

2019 Update: Imaging of the Acute Aortic Syndrome

- Roentgen Ray Society Categorical Course, Honolulu, HI, May 2019

Imaging of Acute Aortic Injury

- Roentgen Ray Society, Honolulu, HI, May 2019

CT of Pulmonary Thrombotic and Embolic Disease

- Visiting professorship at University of Missouri, Columbia, MO, May 2019

CT of Pulmonary Thrombotic and Embolic Disease

- Visiting professorship at UTMB-Galveston, April 2019

Imaging of Thoracic Vasculitis

- Society of Thoracic Radiology, Savannah, GA, March 2019

Acute Aortic Syndrome

- Resident education course at the Society of Thoracic Radiology Annual Meeting, Savannah, GA, March 2019

Acute Traumatic Aortic Injury**Acute Aortic Syndrome****Vascular Infections and Fistulae**

- National Diagnostic Imaging Symposium, Orlando, FL, December 2018

CT of Pulmonary Thrombotic and Embolic Disease

- New York University-Winthrop Visiting Professorship, November 2018

Abdominal Pain in the Pregnant Patient

- American Society of Emergency Radiology, Washington, D.C., September 2018

Imaging Complications of Thoracic Aortic Repair

- Visiting professorship at University of Missouri, Columbia, MO, May 2018

Imaging of Pulmonary Infection

- Eastern Radiology Society, Napa, CA, May 2018

CT of Pulmonary Thrombotic and Embolic Disease

- Roentgen Ray Society Categorical Course, Washington, D.C., April 2018

CT of Aortic Injury in 2018: Diagnostic Radiology Matters

- Society of Thoracic Radiology, Austin, TX, March 2018

CT for Pulmonary Infection: Key Concepts for Patient Care

- Radiologic Society of North America, Chicago, IL, December 2017

The Elephant in the Room: Complications of Thoracic Aortic Repair

- Radiologic Society of North America, Chicago, IL, December 2017

Practical Mediastinal and Pleural MRI

- Grand rounds presentation at Massachusetts General Hospital Visiting Professorship, September 2017

Practical Mediastinal and Pleural MRI

- Grand rounds presentation at Brigham and Women's Hospital Visiting Professorship, September 2017

Atypical Aortic Dissections

- American Society of Emergency Radiology, Toronto, ON, September 2017

Imaging of the Acute Aortic Syndrome

- Visiting professorship at University of Missouri, Columbia, MO, May 2017

Practical MRA of the Thorax

- American Roentgen Ray Society, Los Angeles, CA, April 2016 and New Orleans, LA, May 2017

Vascular Infections of the Thorax

- Eastern Radiology Society, San Antonio, TX, April 2016

Optimizing CT and MR Protocols in the ED: Questions and Controversies

- Radiologic Society of North America, Chicago, IL, December 2016

Practical Mediastinal and Pleural MRI (RSNA Refresher course)

- Radiologic Society of North America, Chicago, IL, December 2015 and December 2016

Acute Pulmonary Infections**Imaging Cardiac Emergencies****Non-traumatic Aortic Emergencies**

- Orlando World CME, Orlando, FL, December 2014 and December 2016

Pulmonary Embolism in Pregnancy: Rationale for Imaging Choices

- American Society of Emergency Radiology, San Francisco, CA, September 2016

Practical Mediastinal MRI

- Visiting professor for cardiothoracic radiology grand rounds at M.D. Anderson, Houston, TX, August 2016

CT of the Acute Aortic Syndrome**Practical Mediastinal and Pleural MRI****Emergency Vascular MRI**

- Featured speaker at Eastern Radiologic Society, Orlando, FL, April 2016

**Imaging Cardiac Emergencies
Practical Mediastinal and Pleural MRI
CT of Pulmonary Infections**

- McMaster University visiting professorship, Hamilton, ON, April 2016

Utilization of CT for Acute Pulmonary Infection

- Society of Thoracic Radiology, Scottsdale, AZ, March 2016

Critical Chest Radiology

**Almost Certainly Benign?: Management of Incidental Findings on Chest CT
CT for Pulmonary Embolism in 2015**

- Orlando World CME, Orlando, FL, December 2015

**Imaging of Thoracic Trauma: Aortic Injury in 2015: Diagnostic Radiology Matters (RSNA
Vertical course)**

- Radiologic Society of North America, Chicago, IL, December 2015

Emergency Vascular MRI

- American Society of Emergency Radiology, Miami, FL, September 2015

Beyond Dissection: Non-traumatic Aortic Emergencies

CT of the Acute Aortic Syndrome

Emergency Vascular MRI

- Argentinian Radiology Congress (FAARDIT), Buenos Aires, Argentina, August 2015

Acute Pulmonary Infections

Emergency Vascular MRI

Beyond Dissection: Non-traumatic Aortic Emergencies

CT of the Acute Aortic Syndrome

Imaging Cardiac Emergencies

- Nordic Forum for Trauma and Emergency Radiology, Oslo, Norway, May 2015

Cross-sectional Imaging of the Acute Aortic Syndrome

- American Roentgen Ray Society Categorical Course, Toronto, ON, April 2015

Acute Pulmonary Infections

Imaging Cardiac Emergencies

Non-traumatic Aortic Emergencies

- Orlando World CME, Orlando, FL, December 2014

Aortic CT: Beyond Dissection

- American Society of Emergency Radiology, Portland, September 2014

Imaging of the Patient with Thoracic Outlet Syndrome

- Society of Thoracic Radiology, San Antonio, March 2014

TNM Staging of Lung Cancer

- Los Angeles Kaiser Permanente Radiology Rounds, September 2013
- St. Louis University Radiology Rounds, November 2013
- Barnes-Jewish Hospital Pulmonary and Critical Care Fellows Conference, March 2015

Chest Radiology: Primer for Medicine Residents

- Barnes-Jewish Hospital Medicine Rounds, St. Louis, October 2013

Thoracic Trauma: Case based presentation of usual and unusual diagnoses

- American Society of Emergency Radiology, Boston, September 2013

MRI of the Chest in 2013 and Beyond: Current Uses and Future Directions

- Barnes-Jewish Hospital Pulmonary Grand Rounds, St. Louis, February 2013

Chest Radiology: Primer for ED Residents

- Barnes-Jewish Hospital Emergency Medicine Rounds, St. Louis, February 2013 and March 2015

Emergency Vascular MRI/MRA: siMpleR Is better (RSNA Refresher course)

- Radiologic Society of North America, Chicago, November 2012 and 2013

Magnetic Resonance Angiography: Clinical scenarios, protocols, and new advances

- Barnes-Jewish Hospital Vascular Surgery Grand Rounds, December 2013

Body MR in the ER: Where we are...where can we go?

- American Society of Emergency Radiology, New Orleans, September 2012

Cardiothoracic Board Review

- University of Missouri, Columbia, MO, March 2010, 2015, 2016
- University of Mississippi, Jackson, Mississippi, March 2010-2013
- University of Puerto Rico, San Juan, PR, March 2011-2013

CONSULTING RELATIONSHIPS AND BOARD MEMBERSHIPS:

Speaker's bureau for Lantheus Medical Imaging (2010-2012)

RESEARCH SUPPORT:

Lantheus Medical Imaging (9/2010-9/2013): Co-PI on 30k grant awarded to investigate the use of Gadofosveset trisodium (Ablavar), a blood pool MRI contrast agent, in the evaluation of pulmonary embolism by MRI.

MIR Research Funding (6/2015-6/2017): PI on 10k internal grant given for study of 4D-Flow Imaging of patients with Type B Aortic Dissection.

TRAINEE/MENTEE/SPONSORSHIP RECORD:

Graduated medical student mentees:

Caroline Robb (2013-2018): Mentored as undergraduate and medical student. Currently is a resident at the Mallinckrodt Institute of Radiology.

Current radiology resident mentees:

Caroline Robb (2019-present)
Kaitlin Marquis (2019-present)
Aria Nazeri (2018-present)

Graduated radiology resident mentees:

Rehan Nizamuddin (2018-2021)
Joshua Fage (2015-2019)
Kristy Ratkowski (2015-2019)
Adam Sipe (2015-2017)
Preston Eiswirth (2014-2018)
Devin Vaswani (2014-2018)
Kareem Mawad (2011-2015)
Noushin Yahyavi (2010-2014)
Joseph Owen (2010-2014)
Guillermo Gonzalez-Araiza (2010-2014)
David Slat (2010-2014)

BIBLIOGRAPHY:Peer Reviewed Manuscripts

Steinbrecher KL, Marquis KM, Bhalla S, Mellnick MM, Ohman JW, **Raptis CA**. "CT of the Difficult Acute Aortic Syndrome." *Radiographics*. Accepted, in press.

Naeem M, Hoegger MJ, Petraglia FW, Ballard DH, Zulfiqar M, Patlas MN, **Raptis CA**, Mellnick VM. "CT of Penetrating Abdominopelvic Trauma." *Radiographics*. 2021 May 21. (Online ahead of print)

Expert Panel on Thoracic Imaging, including **Raptis CA**. "ACR Appropriateness Criteria Intensive Care Patients." *J Am Coll Radiol*. 2021 May;18(5S):S62-72.

Kligerman SJ, Kay FU, **Raptis CA**, Henry TS, Sechrist JW, Walker CM, Vargas DB, Filev PD, Chung MS, Digumarthy SR, Ropp AM, Mohammed TL, Pope KW, Marquis KM, Chung JH, Kanne JP. "CT Findings and Patterns of E-Cigarette or Vaping Product Use-Associated Lung

Injury: A Multicenter Cohort of 160 Cases.” *Chest*. 2021 May 3:S0012-3692. (Online ahead of print)

Marquis KM, **Raptis CA**, Rajput MZ, Steinbrecher KL, Henry TS, Rossi SE, Picus D, Bhalla S. “CT Evaluation of Hemoptysis.” *Radiographics*. 2021 May-Jun; 41(3):742-761.

Hammer MM and **Raptis CA**. “COVID-19 and Pulmonary Thromboembolism.” (Comment) *Radiology*. 2021 May;299(2):E252.

Ludwig DR, **Raptis CA**, Broncano J, Bhalla S, Luna A. “Role of MRI in the Evaluation of Thoracoabdominal Emergencies.” *Top Magn Reson Imaging*. 2020 Dec; 29(6):355-370.

Raptis CA, Hammer MM, Henry TS, Hope MD, Schiebler ML, van Beek EJR. “What Do We Really Know About Pulmonary Thrombosis in COVID-19 Infection” *J Thoracic Imaging*. 2020 Nov1;35(6):341-343.

Raptis CA, Hammer MM, Short RG, Shah A, Bhalla S, Bierhals AJ, Filev PD, Hope MD, Jeudy J, Kligerman SJ, Henry TS. “Chest CT and Coronavirus Disease (COVID-19): A Critical Review of the Literature to Date.” *AJR Am J Roentgenol*. 2020 Oct;215(4):839-842.

Anderson JF, **Raptis C**, Bhalla S. “Performance of Computed Tomographic Pulmonary Angiography Compared With Standard Chest Computed Tomography for Identification of Solid Organ, Serosal, and Nodal Findings.” *J Thorac Imaging*. 2020 Sep;35(5):294-301.

Naeem M, Ballard DH, Jawad H, **Raptis C**, Bhalla S. “Noninfectious Granulomatous Diseases of the Chest.” *Radiographics*. 2020 Jul-Aug;40(4):1003-1019.

Hope MD, **Raptis CA**, Henry TS. “Chest Computed Tomography for Detection of Coronavirus Disease 2019 (COVID): Don’t Rush the Science.” *Ann Intern Med*; 2020 Jul 21;172(2):147-148.

Hammer MM, **Raptis CA**, Henry TS, Shah A, Bhalla S, Hope MD. “Challenges in the interpretation and application of typical imaging features of COVID-19.” *Lancet Respir Med*. 2020 Jun; 8(6):534-536.

Hoegger ML, Shetty AS, Denner DR, Gould JE, Wahl RL, **Raptis CA**, Ballard DH. “A Snapshot of Radiology Training During the Early COVID-19 Pandemic.” *Curr Probl Diagno Radiol*. 2020 Jun 20:S0363-0188(20)30127-4. (Online ahead of print)

Expert Panel on Thoracic Imaging, including **Raptis CA**. “ACR Appropriateness Criteria Hemoptysis.” *J Am Coll Radiol*. 2020 May; 17(5S):S148-S159.

Ballard DH, Jokerst C, **Raptis CA**, Pilgram TK, Woodard PK. “Myocardial Cut-off Sign is a Sensitive and Specific Cardiac Computed Tomography and Magnetic Resonance Imaging Sign to Distinguish Left Ventricular Pseudoaneurysms from True Aneurysms.” *J Thorac Imaging*. 2020 May 15. (Online ahead of print)

Isikbay M, Hope MD, **Raptis CA**, Shah A, Bierhals AJ, Bhalla S, Hammer MM, Kligerman SJ, Jeudy J, Filev PD, Henry TS. "CT on the Diamond Princess: What Might This Tell Us About Sensitivity for COVID-19." *Radiol Cardiothoracic Imaging*. 2020 Apr 20; 2(2):e200155.

Hope MD, **Raptis CA**, Shah A, Hammer MM, Henry TS, six signatories. "A Role for CT in COVID-19? What the data really tell us so far." *Lancet*; 2020 Apr 11; 395(10231):1189-1190.

Kligerman S, **Raptis CA**, Larsen B, Henry TS, Caporale A, Tazelaar H, Schiebler ML, Wehrli FW, Klein JS, Kanne J. "Radiologic, Pathologic, Clinical, and Physiologic Findings of Electronic Cigarette or Vaping Product Use-associated Lung Injury (EVALI): Evolving Knowledge and Remaining Questions." *Radiology*; 2020 Mar; 294 (3):491-505.

Henry TS, Kligerman SJ, **Raptis CA**, Mann H, Sechrist JW, Kanne JP. "Imaging Findings of Vaping-Associated Lung Injury." *AJR Am J Roentgenol*; 2020 Mar; 214(3):498-505.

Ballard DH, Mazaheri P, **Raptis CA**, Lubner MG, Menias CO, Pickhardt PJ, Mellnick VM. "Fournier Gangrene in Men and Women: Appearance on CT, Ultrasound, and MRI and What the Surgeon Wants to Know." *Can Assoc Radiol J*. 2020 Feb;71(1):30-39.

Ludwig DR, Shetty AS, Broncano J, Bhalla S, **Raptis CA**. "Magnetic Resonance Angiography of the Thoracic Vasculature: Technique and Applications." *J Magn Reson Imaging*. 2020 Feb 14.

Hammer MM, Barile M, Bryson W, Bhalla S, **Raptis CA**. "Errors in Interpretation of Magnetic Resonance Imaging for Thymic Lesions." *J Thorac Imaging*. 2109 Nov;34(6):351-355.

Green DB, Vargas D, Reece TB, **Raptis CA**, Johnson WR, Truong QA. "Mimics of Complications in the Postsurgical Aorta at CT." *Radiol Cardiothoracic Imaging*. 2019 Oct 31;1(4):e190080.

Raptis CA, Ludwig DR, Hammer MM, Luna A, Broncano J, Henry TS, Bhalla S, Ackman JB. "Building blocks for thoracic MRI: Challenges, sequences, and protocol design." *J Magn Reson Imaging*. 2019 Sep;50(3):682-701.

Azizaddini S, **Raptis C**, Bhalla S. "Imaging of the Acute Aortic Syndrome." *ARRS categorical course*. May 2019.

Broncano J, Alvarado-Benavides AM, Bhalla S, Alvarez-Kindelan, **Raptis CA**, Luna A. "Role of advanced magnetic resonance imaging in the assessment of malignancies of the mediastinum." *World J Radiol*; 2019 Mar;11(3):27-45.

Shetty A, Sipe AL, Zulfiqar M, Tsai, R, Raptis DA, **Raptis CA**, Bhalla S. "In-Phase and Opposed-Phase Imaging: Applications of Chemical Shift and Magnetic Susceptibility in the Chest and Abdomen." *Radiographics*. 2019 Jan-Feb;39(1):115-135.

Raptis DA, Bhalla S, **Raptis CA**. "Computed Tomographic Imaging of Cardiac Trauma." *Radiol Clin North Amer*; Jan 2019; 57(1):201-212.

Mazaheri P, Ballard DH, Neal K, Raptis DA, Shetty AS, **Raptis CA**, Mellnick VM. "CT of Gastric Volvulus: Interobserver Reliability, Radiologists' Accuracy, and Imaging Findings." *AJR Am J Roentgenol*. 2019 Jan;212(1):103-108.

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Bradenham CH, Oweis Y, Mellnick VM, **Raptis CA**, Menias CO. “Unclean Sweep: Duodenal Pathology in the Emergency Department Patient.” RSNA 2013. (*WON CUM LAUDE AWARD*)

Mawad K, Karageorgiou I, **Raptis CA**, Mellnick VM, Menias CO. “Making Dangerous Progress: The Temporal Evolution of Radiologic Findings in Acute Bowel Ischemia.” RSNA 2013.

Owen JW, Fowler KJ, Saad NE, **Raptis CA**, Owen WA, Narra VR. “Time Is of the Essence: The Role of Time Resolved MRA for Body Imagers and Interventionalists.” RSNA 2013. (*WON CERTIFICATE OF MERIT*)

Connolly SE, Patel AP, Guniganti P, **Raptis CA**, Mellnick VM, Menias CO. “Look Out Below!: Imaging Rectal Emergencies.” RSNA 2013.

Shetty AS, Maxwell JC, Fowler KJ, Yano M, Saad NE, **Raptis CA**, Narra V. “Emerging Noncontrast MRA Techniques for the Body Imager.” RSNA 2013. (*WON CERTIFICATE OF MERIT*)

Hammer MM, Raptis DA, Mellnick VM, Menias CO, Bhalla S, **Raptis CA**. “Diaphragm-orama: A Practical Guide to Diaphragmatic Injury Evaluation in Blunt and Penetrating Trauma.” RSNA 2013.

Barnwell JD, Fowler KJ, McConathy JE, Dehdashti F, **Raptis CA**, LaForest R, Grigsby P, Gropler RJ, Narra VR, Menias CO, Siegel BA, Kotyk J, Priatna A, McKinstry RC, Woodard PK. “Beyond Whole-Body Imaging: Advanced Imaging Techniques of PET-MR.” RSNA 2012.

Jokerst CE, **Raptis CA**, Mhapsekar R, Bierhals AJ, Woodard PK, Javidan-Nejad C. “Clot or Not: The Imaging of Intra-Thoracic Thrombus, Associated Pathophysiology, and Potential Pitfalls.” RSNA 2012. (*WON CERTIFICATE OF MERIT*)

Raptis DA, Kitchin D, Mellnick V, **Raptis CA**, Lubner M, Fowler KJ, Bhalla S, Menias CO. “Trauma Mama – Imaging of Trauma in the Pregnant Patient: Techniques, Considerations, and Cases.” RSNA 2012.

Chang ST, **Raptis CA**, Saad NE, Wellen JR, Doyle M, Lubner MG, Menias CO. “Primum Non Nocere: Imaging of Postoperative Complications in Living Donors of Kidneys or Livers.” RSNA 2012.

Bowerson ML, Mellnick VM, **Raptis CA**, Bhalla S, Menias CO. “Spot the Zebras of Small Bowel Obstruction.” RSNA 2012.

Agarwal S, Shetty AS, Zurcher DC, Mellnick VM, Fowler KJ, **Raptis CA**. “Gas You Cannot Pass: CT Findings of Extraluminal Gas.” RSNA 2012.

Maxwell J, Yano M, Shaw H, Fowler KJ, Saad N, Menias CO, **Raptis CA**, Narra V. “MRI of Iatrogeny.” RSNA 2012. (**WON CERTIFICATE OF MERIT**)

Norbet C, Stone T, Smith G, **Raptis CA**, Menias C, Mellnick V, Bhalla S. “What’s all the flap about? A pictorial review of arterial dissection and its causes.” ASER 2012.

Raptis CA. Moderator for Session XV: Aortic Imaging. STR 2012.

Allen JW, Yano M, Gonzalez-Arazia G, **Raptis CA**, Fowler KJ. “Difficulty Swallowing? MRI of the Esophagus.” RSNA 2011.

Azok JT, Henry TS, **Raptis CA**, Menias CO, Bhalla S. “Lymphomaniac: Nonlymphomatous Lymphatic Conditions.” RSNA 2011.

Karimova EJ, Fowler KJ, Bhalla S, **Raptis CA**, Menias C. “From Ormond to Erdheim-Chester Disease: A Gamut of Retroperitoneal Space Pathology.” RSNA 2011. (**WON CERTIFICATE OF MERIT**)

Quazi RR, Patel S, Chakinala M, Thompson CM, **Raptis CA**, Bhalla S. “Get to the (Dana) Point: CT of Pulmonary Hypertension in 2011. RSNA 2011.

Slat DF, Bhalla S, **Raptis CA**, Javidan-Nejad C, Cummings KW, Chakinala M, Picus DD. “Osler-Weber Rendezvous: Getting Familiar with the Thoracic Manifestations of Hereditary Hemorrhagic Telangiectasia.” RSNA 2011.

Jokerst CE, Azok J, **Raptis C**, Javidan C, Bhalla S, Gutierrez F, Woodard P. “True or False? Distinguishing Left Ventricular Aneurysms from Pseudoaneurysms using Cardiac CT and MRI.” NASCI 2011. (**WON HONORABLE MENTION IN BEST POSTER COMPETITION**)

Parker R, Jokerst C, Mellnick V, **Raptis C**, Bhalla S., Baker J, Vo K. “eMeRgencies: MR Imaging of Emergent Conditions.” RSNA 2010 (**WON CERTIFICATE OF MERIT**)

Parker R, Fowler K, Cardall S, Tai A, **Raptis C**, Menias C, Narra V. “Thinking Outside the Appendix: MR Imaging of the Acute Abdomen in Pregnancy.” RSNA 2010 (**WON CERTIFICATE OF MERIT**)

Raptis C, Slat D, Raptis D, Fowler K, Mellnick V, Henry T, Peterson C, Menias C, Bhalla S. “Pseu- Pseu- Pseudo! Pseudolesions of the Chest, Abdomen, and Pelvis.” RSNA 2010 (**WON CERTIFICATE OF MERIT**)

Henry T, Bhalla S, **Raptis C**, Bierhals A, Gutierrez F, Cummings K, Javidan-Nejad C, Woodard P. “The Spectrum of Hypertrophic Cardiomyopathy: More Than HOCM.” NASCI 2010.

Raptis C, Raptis D, Henry T, Parker R, Fowler K, Narra V, Woodard P. “Initial Clinical Experience with Gadofosveset Trisodium in the United States.” NASCI 2010. (**WON HONORABLE MENTION IN BEST POSTER COMPETITION**)

Fowler K, **Raptis C**, Kumar N, Lin M, Brown J, Menias C, Narra V. “MRE: A pictorial review with over 500 case experience.” RSNA 2009 - (**WON CERTIFICATE OF MERIT**)

Fowler K, **Raptis C**, Desai J, Grande W, Pickhardt P, Menias C, Bhalla S. “Under Pressure: The radiology of hypertension.” RSNA 2009

Fowler K, **Raptis C**, Mellnick V, Chen V, Chernock R, Menias C, Balfe D. “Appendix Top to Tail: Overview of usual to unusual appendiceal pathologies.” RSNA 2009.

Carra B, Henry T, **Raptis C**, Parker R, Cyrus T, Woodard P, Bhalla S. “A Numbers Game: Cardiac Physiologic Parameters a Radiologist Should Know.” RSNA 2009.

Henry T, Ho A, **Raptis C**, Cummings K, Gutierrez F, Bhalla S. “How Can You Mend a Broken Heart? Named Cardiac Surgical Procedures that All Radiologists Should Know.” RSNA 2009.

Mellnick M, Lubner M, McDowell C, **Raptis C**, Menias C. “Ins and Outs of the Liver: A Multimodality Approach to Hepatic Vascular Occlusion.” RSNA 2009 - (**WON CERTIFICATE OF MERIT**)

McDowell C, Lubner M, Henry T, **Raptis C**, Mellnick V, Menias C. “CT Features of Acute Abdominal Aortic Injury.” RSNA 2009.

Mellnick V, Lubner MG, **Raptis C**, Peterson C, Menias C, Bhalla S. “Across the Diaphragm: Intrathoracic CT Findings of Gynecologic Disease.” RSNA 2009

Lubner ML, **Raptis CA**, Parker RA, Fowler KJ, Bhalla S, Menias CO. “Vasculitides and vascular syndromes in the abdomen and pelvis: A pictorial review.” Educational poster with CME at RSNA 2008. – (**WINNER OF MAGNA CUM LAUDE AWARD**)

Mellnick V, **Raptis CA**, Makan M, Bierhals AJ, Holley S, Bhalla S. “You don’t know JACC: Describing valvular pathology in the language of the cardiologist.” Electronic educational exhibit at RSNA 2008.

Parker RA, **Raptis CA**, Cummings KW, Saeed IM, Gutierrez FR, Bhalla S. “Left ventricular outflow obstruction: More than just aortic stenosis.” RSNA 2008.

Raptis CA, Bajaj S, Chernock R, Young CA, Henry TS, Bhalla S. “Looking to the future: Reviewing the International Association for the Study of Lung Cancer (IASLC) Recommendations for the New Staging of Lung Cancer.” RSNA 2008.

Raptis CA, Ahmed A, Sharma A, Javidan-Nejad C, Watson TA, Bhalla S. “Multimodality approach to the pulmonary nodule: A current review.” RSNA 2008.

Raptis CA, Chernock RD, Moran KJ, Fowler KJ, Ylagan L, Bhalla S. “Beyond the needle: Understanding the pathologic evaluation of neoplastic pulmonary nodules in adult patients.” RSNA 2007.

Moran KJ, **Raptis CA**, Fowler KJ, Menias CO, Narra V, Bhalla S. “Getting outside the heart of the matter: Emerging non-cardiac magnetic resonance imaging applications.” RSNA 2007.