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PET/MR imaging of neoplastic and inflammatory lesions

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Chapter 11

Curriculum vitae et studiorum

Name

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Abdominal Imaging, Department of Radiology
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**Education and Training**

1995, Diploma Cum Laude in Medicine and Surgery, University of Naples “Federico II”, Naples, Italy
1999, Diploma in Radiology, University of Naples “Federico II”, Naples, Italy
09/89-07/95, Medical student in Medicine and Surgery at University of Naples “Federico II”, Naples, Italy
06/92-07/95, Voluntary trainee in Internal Medicine at University of Naples “Federico II”, Naples, Italy
09/95-10/99, Resident in Radiology at University of Naples “Federico II”, Naples, Italy
05/98-06/98, Visiting Research Fellow in Chest Radiology at Massachusetts General Hospital. Harvard Medical School, Boston, MA, USA
04/99-06/99, Visiting Research Fellow in Abdominal Imaging and Intervention at Massachusetts General Hospital. Harvard Medical School, Boston, MA, USA
09/03-10/03, Observer in Musculoskeletal Radiology at University of California San Diego, San Diego, CA, USA
11/04-12/04, Observer in Chest Radiology at Massachusetts General Hospital. Harvard Medical School, Boston, MA, USA
09/06-06/10, Clinical and Research Fellow in Abdominal Imaging and Intervention at Massachusetts General Hospital. Harvard Medical School, Boston, MA, USA
2014-present, PhD course at Department of Nuclear Medicine and Molecular Imaging of University Medical Center, Groningen, University of Groningen, The Netherlands.

Report of Appointments

10/03-09/05-Temporary Professor in Radiology at University of Naples "Federico II", School of Radiology Technologists, c/o G. Rummo Hospital, Benevento, Italy
09/11-10/13-Temporary Professor in Radiology at University of Naples "Federico II", School of Physical Therapy, Logopaedics, and Orthoptics
10/13-08/15-Associate Professor in Radiology at University of Naples "Parthenope", Naples, Italy.
01/14-08/15-Winner of the Qualification as Full Professor in Radiology at National Scientific Evaluation Commission, Minister of University and Research, Italy
02/01/2016-present, Assistant Professor in Radiology at Harvard Medical School

Appointments at Hospitals/Affiliated institutions

05/00-04/01, Radiologist at Santa Maria Nuova Hospital, Florence, Italy
05/01-02/02, Radiologist at Sant'Anna and San Sebastiano Hospital, Caserta, Italy
03/02-08/06, Radiologist at G. Rummo Hospital, Benevento, Italy
09/06-06/10, Fellow in Radiology at Massachusetts General Hospital. Harvard Medical School, Boston, MA, USA
07/10- 09/15, Honorary Staff in Radiology at Massachusetts General Hospital. Harvard Medical School, Boston, MA, USA
09/10-08/15, Staff Radiologist at SDN IRCCS, Naples, Italy
09/10- 08/15, Radiologist in charge of the 3T MR scanners at SDN IRCCS, Naples, Italy
02/12-08/15, Radiologist in charge of the PET/MR scanner in Radiology/Nuclear Medicine at SDN IRCCS, Naples, Italy
09/15-present, Radiologist at Massachusetts General Hospital, Boston, MA
09/15-present, Medical Director, PET-MR unit, Martinos Center, Massachusetts General Hospital, Boston, MA

Committee Service

2003-05, Students Evaluation Committee, University of Naples "Federico II", School of Radiology Technologists, c/o "G. Rummo" Hospital, Benevento, Italy (Committee Member)
2011-13, Students Evaluation Committee, University of Naples "Federico II", School of Physical Therapy, School of Logopaedics, School of Orthoptic (Committee Member)
2014-15, Students Evaluation Committee, University of Naples "Parthenope" (Committee Member)
2014-15, University Researchers National Evaluation Committee, Minister of University and Research (Committee Member and Secretary)
2015, Refresher Course. Gastrointestinal Series: Imaging Pancreatic Diseases, Radiological Society of North America (Moderator)

Memberships, Honors, Awards and Editorial activities

1997-Italian Society of Medical Radiology (Member)
1998-Radiological Society of North America (Member)
2006-American Roentgen Ray Society (Member)
2008-European Society of Radiology (Member)

2016-Italian Scientists and Scholars in North America, Medical Imaging Science (Member of the Board)

2016-International Society of Magnetic Resonance in Medicine (Member)

2007-Solemn Encomium Town of Ceppaloni. For excellent clinical and research achievements

2008-Cum Laude Society of Computed Body Tomography & Magnetic Resonance. For scientific abstract - "Dynamic contrast-enhanced magnetic resonance imaging (DCE-MR) for Monitoring Anti-angiogenic Response of Sunitinib in Patients with Advanced Hepatocellular Carcinoma

2008-Certificate of Merit, Radiological Society of North America. For educational exhibit- "Urologist's perspective on Urolithiasis: New and evolving concepts in imaging and management"

2008-Certificate of Merit, Radiological Society of North America. For educational exhibit- "Biliary infections: spectrum of imaging findings and management"

2010-Certificate of Merit, Radiological Society of North America Opportunities, Challenges, and Applications for Spectral CT Imaging from Head to Toe

2011-Certificate of Merit, Radiological Society of North America. For educational exhibit- "Urologists Perspective and Evolving Imaging Expectations in Patients with Genitourinary Anomalies"

2013-Radici prize 2013, Association Ecoitalians. For clinical and research excellence

2014-AMDOS prize 2014, Southern Association of Breast-Operated Patients. For dedication toward patients care and clinical excellence

2015-Reviewer for Digestive and liver disease

2015-Reviewer for European Radiology

2015-Reviewer for Journal of the Chinese Medical Association

2012-Reviewer for American Journal of Roentgenology

2007-Reviewer for Journal of Computed Assisted Tomography

2005-Reviewer for Clinical Anatomy

2013-Reviewer for Abdominal Radiology

Innovations

1999-Development of an innovative technique for shoulder arthro-MR that does not require fluoroscopy, neither ultrasound guidance, reducing radiation exposure and does not require Iodine injection. Currently used in major imaging centers worldwide.

2012-Development of several clinical and research protocols for PET/MR, focused on oncologic body imaging, to improve local and whole-body staging, predict treatment response, and to provide prognostic implications, and focused also on challenging clinical questions difficult to address by conventional techniques, like differentiation of fibrotic from inflammatory strictures in Crohn disease.

Development of faster whole body FDG and DOTATOC PET/MR acquisition protocols.

Publications

as per Google Scholar: total citations 2795, H-index 26, i10-index 41

Original scientific articles

1. Catalano OA, Hahn PF, Hooper DC, Mueller PR. Efficacy of percutaneous abscess drainage in patients with vancomycin-resistant enterococci. *AJR Am J Roentgenol.* 2000 Aug; 175(2): 533-6.
2. Catalano OA, Napolitano M, Vanzulli A. Black kidney sign: a new computed tomographic finding associated with the hypoperfusion complex in children. *J Comput Assist Tomogr.* 2005; 29(4): 484-6.
3. Esposito A, Souto SC, Catalano OA, et al. Pattern of osteophytes and enthesophytes in the proximal ulna: an anatomic, paleopathologic, and radiologic study. *Skeletal Radiol.* 2006;35(11):847-56.
4. Catalano OA, Manfredi R, A Vanzulli, et al. MR Arthrography of the Glenohumeral joint: a simplified non fluoroscopically guided posterior approach. *Radiology.* 2007; 242(2): 550-4.
5. Catalano OA, Samir A, Sahani DV, Hahn PF. Pixel Distribution Analysis Does Not Distinguish Clear Cell Carcinoma from Minima Angiomyolipoma. *Radiology* 2008 Jun;247(3):738-46
6. Eisner BH, Iqbal A, Namasivayam S, Catalano OA, Kambadakone A, Dretler SP, Sahani DV. Differences in computed tomography density of the renal papillae of stone formers and non-stone-formers: a pilot study. *J Endourol.* 2008 Oct;22(10):2207-10.
7. Zhu AX, Sahani DV, Duda DG, di Tomaso E, Ancukiewicz M, Catalano OA, Sindhvani V, Blaszkowsky LS, Yoon SS, Lahdenranta J, Bhargava P, Meyerhardt J, Clark JW, Kwak EL, Hezel AF, Miksad R, Abrams TA, Enzinger PC, Fuchs CS, Ryan DP, Jain RK. Efficacy, safety, and potential biomarkers of sunitinib monotherapy in advanced hepatocellular carcinoma: a phase II study. *J Clin Oncol.* 2009 Jun 20;27(18):3027-35.
8. Yoon LS, Catalano OA, Fritz S, Ferrone CR, Hahn PF, Sahani DV. Another dimension in magnetic resonance cholangiopancreatography: comparison of 2- and 3-dimensional magnetic resonance cholangiopancreatography for the evaluation of intraductal papillary mucinous neoplasm of the pancreas. *J Comput Assist Tomogr.* 2009 May-Jun;33(3):363-8.
9. Catalano OA, Choy G, Zhu A, Hahn PF, Sahani DV. Differentiation of malignant thrombus from bland thrombus of the portal vein in patients with hepatocellular carcinoma: application of diffusion-weighted MR imaging. *Radiology.* 2010 Jan;254(1):154-62
10. Morrisroe SN, Su RR, Bae KT, Eisner BH, Hong C, Lahey S, Catalano OA, Sahani DV, Jackman SV. Differential renal function estimation using computerized tomography based renal parenchymal volume measurement. *J Urol.* 2010 Jun;183(6):2289-93.
11. Kambadakone AR, Sharma A, Catalano OA, Hahn PF, Sahani DV. Protocol modifications for CT perfusion (CTp) examinations of abdomen-pelvic tumors: impact on radiation dose and data processing time. *Eur Radiol.* 2011 Jun;21(6):1293-300.
12. Maffei E, Seitun S, Martini C, Aldrovandi A, Cervellin G, Tedeschi C, Guaricci A, Messalli G, Catalano O, Cademartiri F. Prognostic value of computed

- tomography coronary angiography in patients with chest pain of suspected cardiac origin. *Radiol Med.* 2011 Aug;116(5):690-705.
13. Maffei E, Palumbo A, Martini C, Tedeschi C, Arcadi T, La Grutta L, Malagò R, Weustink AC, Mollet NR, De Rosa R, Catalano O, Salamone I, Blandino A, Midiri M, Cademartiri F. Computed tomography coronary angiography in asymptomatic patients. *Radiol Med.* 2011 Dec;116(8):1161-73.
 14. Mollet N, Maffei E, Martini C, Weustink A, van Mieghem C, Baks T, McFadden E, de Feyter P, Catalano O, Seitun S, Krestin G, Cademartiri F. Coronary plaque burden in patients with stable and unstable coronary artery disease using multislice CT coronary angiography. *Radiol Med.* 2011 Dec;116(8):1174-87.
 15. Maffei E, Seitun S, Palumbo A, Martini C, Emiliano E, Cuttone A, Aldrovandi A, Malagò R, La Grutta L, Midiri M, Tedeschi C, De Rosa R, Catalano O, Weustink A, Mollet N, Cademartiri F. Prognostic value of Morise clinical score, calcium score and computed tomography coronary angiography in patients with suspected or known coronary artery disease. *Radiol Med.* 2011 Dec;116(8):1188-202.
 16. Maffei E, Nieman K, Martini C, Catalano O, Seitun S, Arcadi T, Malagò R, Rossi A, Clemente A, Mollet NR, Cademartiri F. Classification of noncalcified coronary atherosclerotic plaque components on CT coronary angiography: impact of vascular attenuation and density thresholds. *Radiol Med.* 2012 Mar;117(2):230-41.
 17. Maffei E, Martini C, Rossi A, Mollet N, Lario C, Castiglione Morelli M, Clemente A, Gentile G, Arcadi T, Seitun S, Catalano O, Aldrovandi A, Cademartiri F. Diagnostic accuracy of second-generation dual-source computed tomography coronary angiography with iterative reconstructions: a real-world experience. *Radiol Med.* 2012 Aug;117(5):725-38.
 18. Maffei E, Messalli G, Martini C, Nieman K, Catalano O, Rossi A, Seitun S, Guaricci AI, Tedeschi C, Mollet NR, Cademartiri F. Left and right ventricle assessment with Cardiac CT: validation study vs. Cardiac MR. *Eur Radiol.* 2012 May;22(5):1041-9.
 19. Soscia E, Sirignano C, Catalano O, Atteno M, Costa L, Caso F, Peluso R, Bruner V, Aquino MM, Del Puente A, Salvatore M, Scarpa R. New developments in magnetic resonance imaging of the nail unit. *J Rheumatol Suppl.* 2012 Jul;89:49-53.
 20. Maffei E, Martini C, Arcadi T, Clemente A, Seitun S, Zuccarelli A, Torri T, Mollet NR, Rossi A, Catalano O, Messalli G, Cademartiri F. Plaque imaging with CT coronary angiography: Effect of intra-vascular attenuation on plaque type classification. *World J Radiol.* 2012 Jun 28;4(6):265-72.
 21. Cronin CG, Scott J, Kambadakone A, Catalano OA, Sahani D, Blake MA, McDermott S. Utility of positron emission tomography/CT in the evaluation of small bowel pathology. *Br J Radiol.* 2012 Sep;85(1017):1211-21.
 22. Cademartiri F, Maffei E, Arcadi T, Catalano O, Midiri M. CT coronary angiography at an ultra-low radiation dose (<0.1 mSv): feasible and viable in times of constraint on healthcare costs. *Eur Radiol.* 2013 Mar;23(3):607-13.

23. Sahani DV, Jiang T, Hayano K, Duda DG, Catalano OA, Ancukiewicz M, Jain RK, Zhu AX. Magnetic resonance imaging biomarkers in hepatocellular carcinoma: association with response and circulating biomarkers after sunitinib therapy. *J Hematol Oncol.* 2013 Jul. 10;6(1):51.
24. Catalano OA, Rosen BR, Sahani DS, et al. Clinical impact of PET/MR in patients with cancer undergoing same-day PET/CT: initial experience in 134 patients—a hypothesis-generating exploratory study. *Radiology.* 2013 Dec; 269(3):857-69.
25. Attenberger UI, Quick HH, Guimaraes A, Catalano OA, Morelli JN, Schoenberg SO. [Value of new MR techniques in MR-PET.] *Radiologe* 2013. Dec;53(12):1118-24.
26. Maffei E, Arcadi T, Zuccarelli A, Clemente A, Torri T, Rossi P, Seitun S, Catalano O, Cademartiri F. The impact of training on diagnostic accuracy with computed tomography coronary angiography. *J Cardiovasc Med (Hagerstown).* 2013 Oct;14(10):719-25.
27. Pace L, Nicolai E, Luongo A, Aiello M, Catalano OA, Soricelli A, Salvatore M. Comparison of whole-body PET/CT and PET/MRI in breast cancer patients: Lesion detection and quantitation of 18F-deoxyglucose uptake in lesions and in normal organ tissues. *Eur J Radiol.* 2014 Feb; 83(2): 289-96.
28. Incoronato M, Mirabelli P, Catalano O, Aiello M, Parente C, Soricelli A, Nicolai E. CA15-3 is a useful serum tumor marker for diagnostic integration of hybrid positron emission tomography with integrated computed tomography during follow-up of breast cancer patients. *BMC Cancer.* 2014 May 21;14(1):356.
29. Konstantinidis IT, Kambadakone A, Catalano OA, et al. Lymphoepithelial cysts and cystic lymphangiomas: Under-recognized benign cystic lesions of the pancreas. *World J Gastrointest Surg.* 2014 Jul 27;6(7):136-41.
30. Catalano OA, Rosen BR, Nicolai E et al. Comparison of CE-FDG-PET-CT with CE-FDG-PET-MR in the evaluation of osseous metastases in breast cancer patients. *Br J Cancer.* 2015 Apr 28;112(9):1452-60.
31. Attenberger U, Catana C, Chandarana H, Catalano OA, Friedman K, Schonberg SA, Thrall J, Salvatore M, Rosen BR, Guimaraes AR. Whole-body FDG PET-MR oncologic imaging: pitfalls in clinical interpretation related to inaccurate MR-based attenuation correction. *Abdom Imaging.* 2015 Aug;40(6):1374-86.
32. Catalano OA, Gee MS, Nicolai E, et al. Evaluation of quantitative PET/MR-E biomarkers for discriminating inflammatory from fibrotic strictures in Crohn's disease. *Radiology.* 2016 Mar;278(3):792-800.
33. Pellino G, Nicolai E, Catalano OA, et al. PET/MR Versus PET/CT Imaging: Impact on the Clinical Management of Small-Bowel Crohn's Disease. *J Crohns Colitis.* 2016 Mar;10(3):277-85.
34. Pugmire BS, Guimaraes AR, Lim R, Friedmann AM, Huang M, Ebb D, Weinstein H, Catalano OA, Mahmood U, Catana C, Gee MS. Simultaneous whole body (18)F-fluorodeoxyglucose positron emission tomography magnetic resonance imaging for evaluation of pediatric cancer: Preliminary experience and comparison with (18)F-fluorodeoxyglucose positron emission tomography computed tomography. *World J Radiol.* 2016 Mar 28;8(3):322-30

35. Atkinson W, Catana C, Abramson JS, Arabasz G, McDermott S, Catalano O, Muse V, Blake MA, Barnes J, Shelly M, Hochberg E, Rosen BR, Guimaraes AR. Hybrid FDG-PET/MR compared to FDG-PET/CT in adult lymphoma patients. *Abdom Radiol*. 2016 Jul;41(7):1338-48.
36. Catalano OA, Coutinho AM, Sahani DV, et al. Colorectal cancer staging: comparison of whole-body PET-CT and whole-body PET-MR. *Abdom Radiol*. 2017 Apr;42(4):1141-1151.
37. Fuin N, Pedemonte S, Catalano OA, Izquierdo-Garcia D, Soricelli A, Salvatore M, Heberlein K, Hooker JM, Van Leemput K, Catana C. PET/MRI in the Presence of Metal Implants: Completion of the Attenuation Map from PET Emission Data. *J Nucl Med*. 2017 May;58(5):840-845
38. Catalano OA, Horn GL, Signore A, Iannace C, Lepore M, Vangel M, Luongo A, Catalano M, Lehman C, Salvatore M, Soricelli A, Catana C, Mahmood U, Rosen BR. PET/MR in invasive ductal breast cancer: correlation between imaging markers and histological phenotype. *Br J Cancer*. 2017 Mar 28;116(7):893-902.
39. Esfahani SA, Salcedo S, Heidari P, Catalano OA, Pauplis R, Hesterman J, Kronauge JF, Mahmood U. A phase one, single-dose, open-label, clinical safety and PET/MR imaging study of ⁶⁸Ga-DOTATOC in healthy volunteers. *Am J Nucl Med Mol Imaging*. 2017 Apr 15;7(2):53-62.
40. Catalano OA, Daye D, Signore A, Iannace C, Vangel M, Luongo A, Catalano M, Filomena M, Mansi L, Soricelli A, Salvatore M, Fuin N, Catana C, Mahmood U, Rosen BR. Staging performance of whole-body DWI, PET/CT and PET/MRI in invasive ductal carcinoma of the breast. *Int J Oncol*. 2017 Jul;51(1):281-288.
41. Catalano OA, Wu V, Mahmood U, Signore A, Vangel M, Soricelli A, Salvatore M, Gervais D, Rosen BR. Diagnostic performance of PET/MR in the evaluation of active inflammation in Crohn disease. *Am J Nucl Med Mol Imaging*. 2018 Feb 5;8(1):62-69.
42. Fuin N, Catalano OA, Scipioni M, Canjels LPW, Izquierdo D, Pedemonte S, Catana C. Concurrent Respiratory Motion Correction of Abdominal PET and DCE-MRI using a Compressed Sensing Approach. *J Nucl Med*. 2018 Jan 25. pii: jnumed.117.203943. doi: 10.2967/jnumed.117.203943. [Epub ahead of print]

Review articles

1. Catalano OA, Sahani DV, Kalva SP et al. MR imaging of the Gall Bladder. *Radiographics*. 2008 Jan-Feb; 28(1): 135-55;
2. Sahani DV, Shah Z, Catalano OA, Boland G, Brugge WR. Radiology of pancreatic adenocarcinoma: Current status of imaging. *J Gastroenterol Hepatol*. 2008 Jan; 23(1): 23-33.
3. Catalano OA, Aanan S, Hahn PF, et al. Vascular and Biliary Variants in the Liver: Implications for Liver Surgery. *Radiographics* 2008; 28: 359-378.

4. Sainani NS, Catalano OA, Holalkere NS et al. Cholangiocarcinoma: a state of the art imaging poutpourri. *Radiographics*. 2008 Sep-Oct;28(5):1263-87.
5. Catalano OA, Sahani DV, Forcione DG, et al. Biliary infections: spectrum of imaging findings and management. *Radiographics*. 2009 Nov;29(7):2059-80.
6. Seale MK, Catalano OA, Saini S, Hahn PF, Sahani DV. Hepatobiliary-specific MR contrast agents: role in imaging the liver and biliary tree. *Radiographics*. 2009 Oct;29(6):1725-48.
7. Kambadakone AR, Eisner BH, Catalano OA, Sahani DV. New and evolving concepts in the imaging and management of urolithiasis: urologists' perspective. *Radiographics*. 2010 May-Jun;30(3):603-23.
8. Cronin CG, Harisinghani MG, Catalano O, Blake MA. Multitechnique imaging findings of Prolene plug hernia repair. *AJR Am J Roentgenol*. 2010 Sep;195(3):701-6.
9. Sahani DV, Bonaffini PA, Catalano OA, Guimaraes AR, Blake MA. State-of-the-art PET/CT of the pancreas: current role and emerging indications. *Radiographics*. 2012 Jul-Aug;32(4):1133-58; discussion 1158-60.
10. Ramalho M, AIObaidy M, Catalano OA, Guimaraes AR, Salvatore M, Semelka RC. MR-PET of the body: early expereince and insights. *Eur J Radiol*. 2014 Sep 16;1:28-39
11. Lee SI, Catalano OA, Dehdashti F. Gynecologic Cancer Imaging with MRI, FDG PET-CT and PET-MR. *J Nucl Med*. 2015 Mar;56(3):436-43
12. Catalano OA, Masch WR, Catana C, et al. An overview of PET/MR, focused on clinical applications. *Abdom Radiol (NY)*. *Abdom Radiol (NY)*. 2017 Feb;42(2):631-644.
13. Signore A, Glaudemans AWJM, Gheysens O, Lauri C, Catalano OA. Nuclear Medicine Imaging in Pediatric Infection or Chronic Inflammatory Diseases. *Semin Nucl Med*. 2017 May;47(3):286-303.
14. Catalano O, Maccioni F, Lauri C, Auletta S, Dierckx R, Signore A. Hybrid imaging in Crohn's disease: from SPECT/CT to PET/MR and new image interpretation criteria. *Q J Nucl Med Mol Imaging*. 2018 Mar;62(1):40-55.

Other peer-reviewed publications

1. Berardino S, Ianniciello A, Apicella C, Catalano OA. Persistenza della vena cava sinistra ed impianto di pacemaker: un caso clinico. *Il cuore, rivista di cardiocirurgia e cardiologia*. 1995, Vol XII, 5: 345-349
2. Amodio F, Rossi E, Carbone M, Catalano OA, Salzano A, Vallone G. L'ecografia nella diagnosi di poliorchidismo. *Descrizione di un caso. Giornale Italiano di Ecografia* 1998, 4: 227-228
3. Catalano OA, Dal Pozzo F, Nizzi Grifi DN, Menchi L, Rosenthal DI. Paraffinoma of the knee. *Skeletal Radiol*. 2003; 32(8): 485-8.
4. Catalano OA, Bencivenga A, Abbate M, et al. Internal hernia with volvulus and intussusception: case report. *Abdom Imaging*. 2004; 29(2): 164-5.

5. Napolitano M, Catalano OA, Vanzulli A. SSFSE vs Gd-BOPTA enhanced MR cholangiography in the detection of bile duct anomalies in adult living liver donors. *Highlights in MRI*, Oct 2004, 2 (9)
6. Catalano OA, Napolitano M, Leni D, Ticca C, Vanzulli A. Contrast enhanced computer tomography of two cases of bilateral acute cortical necrosis, one of which related to amphetamine abuse. *Emerg Radiol*. 2005; 11(5): 306-8.
7. Casaccia G, Trucchi A, Spirydakis I, Giorlandino C, Aite L, Capolupo I, Catalano OA, Bagolan P. Congenital intestinal anomalies, neonatal short bowel syndrome, and prenatal/neonatal counseling. *J Pediatr Surg*. 2006; 41(4): 804-7.
8. Casaccia G, Crescenzi F, Palamides S, Catalano OA, Bagolan P. Pleural effusion requiring drainage in congenital diaphragmatic hernia: incidence, aetiology and treatment. *Pediatr Surg Int*. 2006; 22(7): 585-8.
9. Casaccia G, Catalano OA, Marcellini M, Bagolan P. Biliary atresia associated with multiple unrelated anomalies: what about it? *Pediatr Surg Int*. 2006; 22(7): 585-8.
10. Casaccia G, Giorlandino C, Catalano OA, Bagolan P. Prenatal rectal perforation: an unsuspected cause of isolated ascites. *J Perinatol*. 2006; 26(11): 717-9.
11. Casaccia G, Trucchi A, Spirydakis I, Giorlandino C, Aite L, Capolupo I, Catalano OA, Bagolan P. Congenital intestinal anomalies, neonatal short bowel syndrome, and prenatal/neonatal counseling. *J Pediatr Surg*. 2006 Apr;41(4):804-7.
12. Liu CH, Yu CY, Catalano OA, Mueller PR. Radiological reasoning: imaging differentiation of a solitary hepatic mass. *AJR Am J Roentgenol*. 2008 Jun;190(6 Suppl):S57-61.
13. Casaccia G, Catalano OA, Bagolan P. Congenital gastrointestinal anomalies in anorectal malformations: what relationship and management? *Congenit Anom*. 2009 Jun;49(2):93-6.

Book chapters

1. Catalano OA. Infezioni batteriche. *AIDS e Torace, Diagnostica per immagini*. Edited by Angelelli G and Rotondo A. Gnocchi. 1998
2. Catalano OA, Bali MA, Radice L. Angiografia. *Attualità in tema di tumori primitivi del fegato*. Edited by De Werra C, Forestieri P. SIC. 1999
3. Sainani NI, Catalano OA and Sahani D. Pancreas Imaging. *CT and MR Imaging of the Whole Body*. Edited by Hyun Kwon Ha. Elsevier. 2009
4. Catalano OA and Sahani DV. Imaging Cystic lesions in the pancreas. *Contemporary Issues in Cancer Imaging*. Edited by Heiken J.P. Cambridge University Press. 2009
5. Masi A, Dal Pozzo F, Catalano OA, Guerrini L, Bartolozzi A. *Patologia del pancreas. Compendio di tomografia computerizzata e TC multistrato*. Edited by Dal Pozzo G. UTET. 2010
6. Rotondo A, Catalano OA, Stabile Ianora AA, Romano L, Angelelli G. *Patologia della milza. Compendio di tomografia computerizzata e TC multistrato*. Edited by Dal Pozzo G. UTET. 2010

7. Dal Pozzo F, Catalano OA, Tavanti V. Patologia delle ghiandole surrenali. Compendio di tomografia computerizzata e TC multistrato. Edited by Dal Pozzo G. UTET. 2010
8. Catalano OA and Sahani DV. Liver variants. Variants and Pitfalls in Body Imaging: Thoracic, Abdominal and Women's Imaging. Edited by Shirkhoda P. Lippincott, Williams and Wilkinson. 2010
9. Catalano OA and Sahani DV. Imaging Cystic lesions in the pancreas. Abdominal Imaging. Edited by Sahani DV. Elsevier. 2011
10. Catalano OA and Sahani DV. Imaging solid lesions in the pancreas. Abdominal Imaging. Edited by Sahani DV. Elsevier. 2011
11. Catalano OA and Sahani DV. Pancreatic variants. Abdominal Imaging. Edited by Sahani DV. Elsevier. 2011
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13. Catalano OA, Samir AE. Renal biopsies. Interventional radiology procedures in biopsy and drainages. Edited by Gervais D and Sabbarwal T. Springer. 2011
14. Ragozzino A, Catalano OA, and Paolantonio P. Errors in the diagnosis of hepatic neoplasms. Errors in Radiology. Edited by Romano L and Pinto A. Springer. 2012
15. Catalano OA, Soricelli A and Salvatore M. Normal splenic anatomy, congenital anomalies and variants. Textbook of Abdominal Imaging. Edited by Hamm B and Ross P. Springer. 2013
16. Miguel Ramalho, Onofrio Catalano, Mamdoh AIObaidy, Ersan Altun, and Richard C. Semelka. Magnetic resonance–positron emission tomography. Abdominal-Pelvic MRI, 4th Edition. Edited by Semelka RC. Wiley. 2015
17. Catalano Marco, Angelo Luongo, Catalano Onofrio A. Cancro del retto: anatomia radiologica. Manuale chirurgia colonproctologica e pelviperineale SIUCP – PICCIN. 2016, in print.
18. Catalano OA, Kilcoyne A, Lauri C, Signore A. PET/MRI in inflammatory diseases. PET/MR Imaging: Current and Emerging Applications. Edited by Lale Umutlu and Ken Herrmann. Springer. 2018.