

Curriculum Vitae

INFORMAZIONI PERSONALI

Nome ROBERTO
Cognome CANNELLA
Recapiti Dipartimento di Biomedicina, Neuroscienze e Diagnostica avanzata (BIND), Università degli Studi di Palermo, Via del Vespro 129, 90127, Palermo.
Telefono 091-6552331
E-mail roberto.cannella@unipa.it

FORMAZIONE TITOLI

- **Dottorato di Ricerca** in Medicina Molecolare e Clinica presso il Dipartimento di Promozione della Salute, Materno-Infantile, di Medicina Interna e Specialistica di Eccellenza (PROMISE) dell'Università degli Studi di Palermo.
- Diploma di **Specializzazione in Radiodiagnostica** presso l'Università degli Studi di Palermo, riportando la votazione di 50/50 con lode. Corso di Specializzazione della durata legale di 5 anni.
- **Laurea Magistrale in Medicina e Chirurgia** presso l'Università degli Studi di Palermo, con la votazione di 110/110 con lode.

ATTIVITA' DIDATTICA

- Insegnamento del modulo di Diagnostica per Immagini e Radioterapia (3 CFU), del corso integrato di Neurologica, Cardiologia e Radiologia, nel corso di studi in Infermieristica, sede Caltanissetta, anno accademico 2023/2024.
- Insegnamento della materia Bioimaging (9 CFU) nel corso di studi in Ingegneria Biomedica, sede Caltanissetta, anno accademico 2023/2024.
- Insegnamento del modulo di Diagnostica per Immagini e Radioterapia (3 CFU), del corso integrato di Scienze Interdisciplinari, nel corso di studi in Ortottica ed Assistenza Oftalmologica, anno accademico 2022/2023.
- Insegnamento della materia Bioimaging (9 CFU) nel corso di studi in Ingegneria Biomedica, sede Caltanissetta, anno accademico 2022/2023.

ASSOCIAZIONI SCIENTIFICHE

- Società Italiana di Radiologia Medica ed Interventistica (SIRM)
- Associazione Italiana per lo Studio del Pancreas (AISP)
- European Society of Radiology (ESR)
- European Society of Gastrointestinal and Abdominal Radiology (ESGAR)
- European Society of Medical Imaging Informatics (EuSoMII)
- American Roentgen Ray Society (ARRS)

PUBBLICAZIONE

Pubblicazioni scientifiche

1. Cannella R, Furlan A. Mosaic architecture of hepatocellular carcinoma. *Abdom Radiol (NY)*. 2018 Jul;43(7):1847-1848. doi: 10.1007/s00261-017-1372-4. PMID: 29110057
2. Giambelluca D, Caruana G, Cannella R, Lo Re G, Midiri M. The starry sky liver: multiple biliary hamartomas on MR cholangiopancreatography. *Abdom Radiol (NY)*. 2018 Sep;43(9):2529-2530. doi: 10.1007/s00261-018-1490-7. PMID: 29411059.
3. Giambelluca D, Caruana G, Cannella R, Picone D, Midiri M. The "caput medusae" sign in portal hypertension. *Abdom Radiol (NY)*. 2018 Sep;43(9):2535-2536. doi: 10.1007/s00261-018-1493-4. PMID: 29450607.
4. Giambelluca D, Cannella R, Caruana G, Picone D, Midiri M. The "serpent sign" in hydatid disease. *Abdom Radiol (NY)*. 2018 Sep;43(9):2523-2524. doi: 10.1007/s00261-018-1487-2. PMID: 29450612.
5. Sparacia G, Cannella R, Lo Re V, Gambino A, Mamone G, Miraglia R. Assessment of cerebral microbleeds by susceptibility-weighted imaging at 3T in patients with end-stage organ failure. *Radiol Med*. 2018 Jun;123(6):441-448. doi: 10.1007/s11547-018-0863-x. PMID: 29455423.
6. Sparacia G, Cannella R, Lo Re V, Mamone G, Sakai K, Yamada K, Miraglia R. Brain-core temperature of patients before and after orthotopic liver transplantation assessed by DWI thermometry. *Jpn J Radiol*. 2018 May;36(5):324-330. doi: 10.1007/s11604-018-0729-0. PMID: 29556899.
7. Cannella R, Giambelluca D, Caruana G, Lo Re G, Midiri M. The "geographic" liver. *Abdom Radiol (NY)*. 2018 Dec;43(12):3520-3522. doi: 10.1007/s00261-018-1629-6. PMID: 29730739

8. Cannella R, Fowler KJ, Borhani AA, Minervini MI, Heller M, Furlan A. Common pitfalls when using the Liver Imaging Reporting and Data System (LI-RADS): lessons learned from a multi-year experience. *Abdom Radiol (NY)*. 2019 Jan; 44(1):43-53. doi: 10.1007/s00261-018-1720-z. PMID: 30073400.
9. Cannella R, Borhani AA, Minervini MI, Tsung A, Furlan A. Evaluation of texture analysis for the differential diagnosis of focal nodular hyperplasia from hepatocellular adenoma on contrast-enhanced CT images. *Abdom Radiol (NY)*. 2019 Apr; 44(4):1323-1330. doi: 10.1007/s00261-018-1788-5. PMID: 30267107.
10. Cannella R, Rangaswamy B, Minervini MI, Borhani AA, Tsung A, Furlan A. Value of Texture Analysis on Gadoteric Acid-Enhanced MRI for Differentiating Hepatocellular Adenoma From Focal Nodular Hyperplasia. *AJR Am J Roentgenol*. 2019 Mar;212(3):538-546. doi: 10.2214/AJR.18.20182. PMID: 30557050.
11. Gagliardo C, Midiri M, Cannella R, Napoli A, Wragg P, Collura G, Marrale M, Vincenzo Bartolotta T, Catalano C, Lagalla R. Transcranial magnetic resonance-guided focused ultrasound surgery at 1.5T: a technical note. *Neuroradiol J*. 2019 Apr;32(2):132-138. doi: 10.1177/1971400918818743. PMID: 30561246
12. Giambelluca D, Cannella R, Midiri M, Salvaggio G. The "spoke wheel" sign in mesenteric carcinoid. *Abdom Radiol (NY)*. 2019 May;44(5):1949-1950. doi: 10.1007/s00261-019-01913-8. PMID: 30701280.
13. Cannella R, Borhani AA, Tublin M, Behari J, Furlan A. Diagnostic value of MR-based texture analysis for the assessment of hepatic fibrosis in patients with nonalcoholic fatty liver disease (NAFLD). *Abdom Radiol (NY)*. 2019 May;44(5): 1816-1824. doi: 10.1007/s00261-019-01931-6. PMID: 30788556.
14. Giambelluca D, Cannella R, Caruana G, Salvaggio L, Grassetonio E, Galia M, Midiri M, Salvaggio G. CT imaging findings of epiploic appendagitis: an unusual cause of abdominal pain. *Insights Imaging*. 2019 Feb 22;10(1):26. doi: 10.1186/s13244-019-0715-9. PMID: 30796645.
15. Ludwig DR, Fraum TJ, Cannella R, Ballard DH, Tsai R, Naeem M, LeBlanc M, Salter A, Tsung A, Shetty AS, Borhani AA, Furlan A, Fowler KJ. Hepatocellular carcinoma (HCC) versus non-HCC: accuracy and reliability of Liver Imaging Reporting and Data System v2018. *Abdom Radiol (NY)*. 2019 Jun;44(6):2116-2132. doi: 10.1007/s00261-019-01948-x. PMID: 30798397.
16. Cannella R, Borhani AA, Zureikat AH, Tublin ME. Appleby Procedure (Distal Pancreatectomy With Celiac Artery Resection) for Locally Advanced Pancreatic Carcinoma: Indications, Outcomes, and Imaging. *AJR Am J Roentgenol*. 2019 Jul;213(1):35-44. doi: 10.2214/AJR.18.20887. PMID: 30917026.
17. Giambelluca D, Cannella R, Caruana G, Brancatelli G. "Nodule-in-nodule" architecture of hepatocellular carcinoma. *Abdom Radiol (NY)*. 2019 Jul;44(7):2671-2673. doi: 10.1007/s00261-019-02001-7. PMID: 30941452.
18. Cannella R, Giambelluca D, Diamarco M, Caruana G, Cutaia G, Midiri M, Salvaggio G. Congenital Cystic Lesions of the Bile Ducts: Imaging-Based Diagnosis. *Curr Probl Diagn Radiol*. Jul-Aug 2020;49(4):285-293. doi: 10.1067/j.cpradiol.2019.04.005. PMID: 31027922.
19. Cannella R, Taibbi A, Pardo S, Lo Re G, La Grutta L, Bartolotta TV. Communicating with the hepatobiliary surgeon through structured report. *BJR|Open*. 2019; 1: 20190012. doi.org/10.1259/bjro.20190012.
20. Vernuccio F, Cannella R, Meyer M, Choudhoury KR, Gonz ales F, Schwartz FR, Gupta RT, Bashir MR, Furlan A, Marin D. LI-RADS: Diagnostic Performance of Hepatobiliary Phase Hypointensity and Major Imaging Features of LR-3 and LR-4 Lesions Measuring 10-19 mm With Arterial Phase Hyperenhancement. *AJR Am J Roentgenol*. 2019 Aug;213(2):W57-W65. doi: 10.2214/AJR.18.20979. PMID: 31039012.
21. Vernuccio F, Cannella R, Porrello G, Calandra A, Midiri M, Furlan A, Brancatelli G. Uncommon imaging evolutions of focal liver lesions in cirrhosis. *Abdom Radiol (NY)*. 2019 Sep;44(9):3069-3077. doi: 10.1007/s00261-019-02101-4. PMID: 31222462.
22. Cannella R, Fowler KJ, Furlan A. Reply to "Letter to the editor". *Abdom Radiol (NY)*. 2019 Sep;44(9):3209. doi: 10.1007/s00261-019-02092-2. PMID: 31240327.
23. Ludwig DR, Fraum TJ, Cannella R, Tsai R, Naeem M, LeBlanc M, Salter A, Tsung A, Fleckenstein J, Shetty AS, Borhani AA, Furlan A, Fowler KJ. Expanding the Liver Imaging Reporting and Data System (LI-RADS) v2018 diagnostic population: performance and reliability of LI-RADS for distinguishing hepatocellular carcinoma (HCC) from non-HCC primary liver carcinoma in patients who do not meet strict LI-RADS high-risk criteria. *HPB (Oxford)*. 2019 Dec;21(12): 1697-1706. doi: 10.1016/j.hpb.2019.04.007. PMID: 31262487.
24. Pellegrino S, Giambelluca D, Cannella R, Gozzo C, Caruana G, Allegra F, Cutaia G, Midiri M, Salvaggio G. Cystic pancreatic neoplasms: a differential diagnosis on CT and MR imaging. *G Ital Radiol Med* 2019;6:342-355. doi: 10.23736/S2283-8376.19.00205-5.
25. Caruana G, Cannella R, Giambelluca D, Picone D, Lo Re G, Grassetonio E, Midiri M, Salvaggio G. Pancreaticoduodenal arteries aneurysms: evaluation of frequency and association with celiac artery stenosis due to compression by median arcuate ligament. *Euromediterranean Biomedical Journal* 2019;14(23),101-106. doi: 10.3269/1970-5492.2019.14.23.
26. Cannella R, Shahait M, Furlan A, Zhang F, Bigley JD, Averch TD, Borhani AA. Efficacy of single-source rapid kV-switching dual-energy CT for characterization of non-uric acid renal stones: a prospective ex vivo study using anthropomorphic phantom. *Abdom Radiol (NY)*. 2020 Apr;45(4):1092-1099. doi: 10.1007/s00261-019-02164-3. PMID: 31385007.
27. Cannella R, Brancatelli G, Rangaswamy B, Minervini MI, Borhani AA, Furlan A. Enhancement pattern of hepatocellular adenoma (HCA) on MR imaging performed with Gd-EOB-DTPA versus other Gd-based contrast agents (GBCAs): An intraindividual comparison. *Eur J Radiol*. 2019 Oct;119:108633. doi: 10.1016/j.ejrad.2019.08.002. PMID: 31437747.
28. Cannella R, Calandra A, Cabibbo G, Midiri M, Tang A, Brancatelli G. Hyperintense nodule-in-nodule on hepatobiliary phase arising within hypovascular hypointense nodule: Outcome and rate of hypervascular transformation. *Eur J Radiol*. 2019 Nov;120:108689. doi: 10.1016/j.ejrad.2019.108689. PMID: 31563835.
29. Cannella R, Sparacia G, Lo Re V, Oddo E, Mamone G, Miraglia R. Advanced magnetic resonance imaging of cortical laminar necrosis in patients with stroke. *Neuroradiol J*. 2019 Dec;32(6):431-437. doi: 10.1177/1971400919876621. PMID: 31566507.
30. Sparacia G, Parla G, Cannella R, Perri A, Lo Re V, Mamone G, Miraglia R, Torregrossa F, Grasso G. Resting-State Functional Magnetic Resonance Imaging for Brain Tumor Surgical Planning: Feasibility in Clinical Setting. *World Neurosurg*. 2019 Nov;131:356-363. doi: 10.1016/j.wneu.2019.07.022. PMID: 31658578.

31. Fraum TJ, Cannella R, Ludwig DR, Tsai R, Naeem M, LeBlanc M, Salter A, Tsung A, Shetty AS, Borhani AA, Furlan A, Fowler KJ. Assessment of primary liver carcinomas other than hepatocellular carcinoma (HCC) with LI-RADS v2018: comparison of the LI-RADS target population to patients without LI-RADS-defined HCC risk factors. *Eur Radiol*. 2020 Feb;30(2):996-1007. doi: 10.1007/s00330-019-06448-6. PMID: 31654212.
32. Dimarco M, Cannella R, Pellegrino S, Iadicola D, Tutino R, Allegra F, Castiglione D, Salvaggio G, Midiri M, Brancatelli G, Vernuccio F. Impact of structured report on the quality of preoperative CT staging of pancreatic ductal adenocarcinoma: assessment of intra- and inter-reader variability. *Abdom Radiol (NY)*. 2020 Feb;45(2):437-448. doi: 10.1007/s00261-019-02287-7. PMID: 31686180.
33. Giambelluca D, Cannella R, Vernuccio F, Comelli A, Pavone A, Salvaggio L, Galia M, Midiri M, Lagalla R, Salvaggio G. PI-RADS 3 Lesions: Role of Prostate MRI Texture Analysis in the Identification of Prostate Cancer. *Curr Probl Diagn Radiol*. 2021 Mar-Apr;50(2):175-185. doi: 10.1067/j.cpradiol.2019.10.009. PMID: 31761413.
34. Cutaia G, Tosto G, Cannella R, Bruno A, Leto C, Salvaggio L, Cutaia S, Lombardo FP, Dispensa N, Giambelluca D, Midiri M, Salvaggio G. Prevalence and clinical significance of incidental findings on multiparametric prostate MRI. *Radiol Med*. 2020 Feb;125(2):204-213. doi: 10.1007/s11547-019-01106-9. PMID: 31784928.
35. Greco S, Cannella R, Giambelluca D, Pecoraro G, Battaglia E, Midiri M, Brancatelli G, Vernuccio F. Complications of hepatic echinococcosis: multimodality imaging approach. *Insights Imaging*. 2019 Dec 2;10(1):113. doi: 10.1186/s13244-019-0805-8. PMID: 31792750.
36. Cannella R, Minervini MI, Rachakonda V, Bollino G, Furlan A. Liver stiffness measurement in patients with nodular regenerative hyperplasia undergoing magnetic resonance elastography. *Abdom Radiol (NY)*. 2020 Feb;45(2):373-383. doi: 10.1007/s00261-019-02367-8. PMID: 31834457
37. Dimarco M, Giambelluca D, Cannella R, Caruana G, Salvaggio G, Massimo M. Foreign bodies in emergency radiology: tips and tricks. *G Ital Radiol Med* 2019;6:547-62. doi: 10.23736/S2283-8376.19.00241-9.
38. Gagliardo C, Marrale M, D'Angelo C, Cannella R, Collura G, Iacopino G, D'Amelio M, Napoli A, Bartolotta TV, Catalano C, Lagalla R and Midiri M. Transcranial Magnetic Resonance Imaging-Guided Focused Ultrasound Treatment at 1.5 T: A Retrospective Study on Treatmentand Patient-Related Parameters Obtained From 52 Procedures. *Front. Phys*. 2020;7:223. doi: 10.3389/fphy.2019.00223.
39. Cannella R, Vernuccio F, Sagreiya H, Choudhury KR, Iranpour N, Marin D, Furlan A. Liver Imaging Reporting and Data System (LI-RADS) v2018: diagnostic value of ancillary features favoring malignancy in hypervascular observations 10 mm at intermediate (LR-3) and high probability (LR-4) for hepatocellular carcinoma. *Eur Radiol*. 2020 Jul;30(7):3770-3781. doi: 10.1007/s00330-020-06698-9. PMID: 32107603.
40. Vernuccio F, Cannella R, Comelli A, Salvaggio G, Lagalla R, Midiri M. Radiomics and artificial intelligence: new frontiers in medicine. *Recenti Prog Med*. 2020 Mar;111(3):130-135. doi: 10.1701/3315.32853. PMID: 32157259.
41. Gozzo C, Giambelluca D, Cannella R, Caruana G, Jukna A, Picone D, Midiri M, Salvaggio G. CT imaging findings of abdominopelvic vascular compression syndromes: what the radiologist needs to know. *Insights Imaging*. 2020 Mar 17;11(1):48. doi: 10.1186/s13244-020-00852-z. PMID: 32185572.
42. Wilson GC, Cannella R, Fiorentini G, Shen C, Borhani A, Furlan A, Tsung A. Texture analysis on preoperative contrast-enhanced magnetic resonance imaging identifies microvascular invasion in hepatocellular carcinoma. *HPB (Oxford)*. 2020 Mar 27. pii: S1365-182X(20)30079-4. doi: 10.1016/j.hpb.2020.03.001. PMID: 32229091.
43. Gagliardo C, Cannella R, Quarrella C, D'Amelio M, Napoli A, Bartolotta TV, Catalano C, Midiri M, Lagalla R. Intraoperative imaging findings in transcranial MR imaging-guided focused ultrasound treatment at 1.5T may accurately detect typical lesional findings correlated with sonication parameters. *Eur Radiol*. 2020 Sep;30(9):5059-5070. doi: 10.1007/s00330-020-06712-0. PMID: 32346791.
44. Vernuccio F, Cannella R, Choudhury KR, Meyer M, Furlan A, Marin D. Hepatobiliary phase hypointensity predicts progression to hepatocellular carcinoma for intermediate-high risk observations, but not time to progression. *Eur J Radiol*. 2020 Jul;128:109018. doi: 10.1016/j.ejrad.2020.109018. PMID: 32388318.
45. Sparacia G, Parla G, Lo Re V, Cannella R, Mamone G, Carollo V, Midiri M, Grasso G. Resting-State Functional Connectome in Patients with Brain Tumors Before and After Surgical Resection. *World Neurosurg*. 2020 Sep;141:e182-e194. doi: 10.1016/j.wneu.2020.05.054. PMID: 32428723.
46. Vernuccio F, Cannella R, Gozzo C, Greco V, Midiri M, Furlan A, Tang A, Brancatelli G. Hepatic enhancement in cirrhosis in the portal venous phase: what are the differences between gadoxetate disodium and gadobenate dimeglumine? *Abdom Radiol (NY)*. 2020 Aug;45(8):2409-2417. doi: 10.1007/s00261-020-02578-4. PMID: 32435849.
47. Vernuccio F, Patti D, Cannella R, Salvaggio G, Midiri M. CT imaging of acute and chronic pyelonephritis: a practical guide for emergency radiologists. *Emerg Radiol*. 2020 Oct;27(5):561-567. doi: 10.1007/s10140-020-01788-z. PMID: 32445022.
48. Giambelluca D, Caruana G, Cannella R. The Poké Ball Sign in Mature Ovarian Cystic Teratoma. *Abdom Radiol (NY)*. 2021 Jan;46(1):396-397. doi: 10.1007/s00261-020-02608-1. PMID: 32500238.
49. Caruana G, Pessini LM, Cannella R, Salvaggio G, de Barros A, Salerno A, Auger C, Rovira À. Texture Analysis in Susceptibility-Weighted Imaging May Be Useful to Differentiate Acute From Chronic Multiple Sclerosis Lesions. *Eur Radiol*. 2020 Nov;30(11):6348-6356. doi: 10.1007/s00330-020-06995-3. PMID: 32535736.
50. Vernuccio F, Dimarco M, Porrello G, Cannella R, Cusmà S, Midiri M, Brancatelli G. Abdominal splenosis and its differential diagnoses: What the radiologist needs to know. *Curr Probl Diagn Radiol*. 2021 Mar-Apr;50(2):229-235. doi: 10.1067/j.cpradiol.2020.04.012. PMID: 32540140.
51. Comelli A, Stefano A, Coronello C, Russo G, Vernuccio F, Cannella R, Salvaggio G, Lagalla R, Barone S. Radiomics: A New Biomedical Workflow to Create a Predictive Model. *Medical Image Understanding and Analysis. MIUA 2020. Communications in Computer and Information Science*, vol 1248. doi: 10.1007/978-3-030-52791-422.
52. Orlando A, Dimarco M, Cannella R, Bartolotta TV. Breast dynamic contrast-enhanced-magnetic resonance imaging and radiomics: State of art. *Artif Intell Med Imaging 2020*; 1(1): 6-18. doi: 10.35711/aimi.v1.i1.6.
53. Vernuccio F, Giambelluca D, Cannella R, Lombardo FP, Panzuto F, Midiri M, Cabassa P. Radiographic and chest CT imaging presentation and follow-up of COVID-19 pneumonia: a multicenter experience from an endemic area. *Emerg Radiol*. 2020 Dec;27(6):623-632. doi: 10.1007/s10140-020-01817-x. PMID: 32653961.
54. Cannella R, Giambelluca D, Pellegrinelli A, Cabassa P. Color Doppler Ultrasound in Portal Hypertension: A Closer Look at Left Gastric Vein Hemodynamics. *J Ultrasound Med*. 2021 Jan;40(1):7-14. doi: 10.1002/jum.15386. PMID: 32657462.

55. Vernuccio F, Lombardo FP, Cannella R, Panzuto F, Giambelluca D, Arzanauskaitė M, Midiri M, Cabassa P. Thromboembolic complications of COVID-19: the combined effect of a pro-coagulant pattern and an endothelial thrombo-inflammatory syndrome. *Clin Radiol*. 2020 Nov;75(11):804-810. doi: 10.1016/j.crad.2020.07.019. PMID: 32829885.
56. Cannella R, Dasyam N, Seo SH, Furlan A, Borhani AA. Performance of morphologic criteria for the diagnosis of cirrhosis in patients with non-alcoholic steatohepatitis compared to other etiologies of chronic liver disease: effect of level of training and experience. *Abdom Radiol (NY)*. 2021 Mar;46(3):960-968. doi: 10.1007/s00261-020-02719-9. PMID: 32902660.
57. Cannella R, La Grutta L, Midiri M, Bartolotta TV. New advances in radiomics of gastrointestinal stromal tumors. *World J Gastroenterol*. 2020 Aug 28;26(32):4729-4738. doi: 10.3748/wjg.v26.i32.4729. PMID: 32921953.
58. Carollo V, Cannella R, Sparacia G, Mamone G, Caruso S, Cannataci C, Gentile G, Gallo GS, Di Piazza A, di Francesco F, de Ville de Goyet J. Optimizing liver division technique for procuring left lateral segment grafts - new anatomical insights. *Liver Transpl*. 2021 Feb;27(2):281-285. doi: 10.1002/lt.25895. PMID: 32945611.
59. Cannella R, Taibbi A, Porrello G, Dioguardi Burgio M, Cabibbo G, Bartolotta TV. Hepatocellular carcinoma with macrovascular invasion: multimodality imaging features for the diagnosis. *Diagn Interv Radiol*. 2020 Nov;26(6):531-540. doi: 10.5152/dir.2020.19569. PMID: 32990243.
60. Bartolotta TV, Sidoti Pinto A, Cannella R, Porrello G, Taravella R, Randazzo A, Taibbi A. Focal liver lesions: interobserver and intraobserver agreement of three-dimensional contrast-enhanced ultrasound-assisted volume measurements. *Ultrasonography*. 2021 Jul;40(3):333-341. doi: 10.14366/usg.20025. PMID: 33080667.
61. Vernuccio F, Porrello G, Cannella R, Vernuccio L, Midiri M, Giannitrapani L, Soresi M, Brancatelli G. Benign and malignant mimickers of infiltrative hepatocellular carcinoma: tips and tricks for differential diagnosis on CT and MRI. *Clin Imaging*. 2021 Feb;70:33-45. doi: 10.1016/j.clinimag.2020.10.011. PMID: 33120287.
62. Busè G, Cannella R, Bruno A, Leto C, Cutaia G, Salvaggio L, Costanzo V, Giambelluca D, Ferraro M, Vernuccio F, Collura G, Gagliardo C, Marrale M, Midiri M, Galia M, Salvaggio G. Performance of diffusion kurtosis imaging for characterization of prostate lesions using 1.5T magnetic resonance imaging scanner. *Euromediterranean Biomedical Journal*. 2020,15(46):197–202. doi: 10.3269/1970-5492.2020.15.46.
63. Di Pietro M, Di Stefano V, Cannella R, Di Blasio F, De Angelis MV. Fetal variant of posterior cerebral artery: just a physiologic variant or a window for possible ischemic stroke? *Neurol Sci*. 2021 Jun;42(6):2535-2538. doi: 10.1007/s10072-020-05018-9. PMID: 33389246.
64. Gagliardo C, Cannella R, D'Angelo C, Toia P, Salvaggio G, Feraco P, Marrale M, Iacopino DG, D'Amelio M, La Tona G, La Grutta L, Midiri M. Transcranial Magnetic Resonance Imaging-Guided Focused Ultrasound with a 1.5 Tesla Scanner: A Prospective Intraindividual Comparison Study of Intraoperative Imaging. *Brain Sci*. 2021 Jan 4;11(1):46. doi: 10.3390/brainsci11010046. PMID: 33406708.
65. Vernuccio F, Gagliano DS, Cannella R, Ba-Ssalamah A, Tang A, Brancatelli G. Spectrum of liver lesions hyperintense on hepatobiliary phase: an approach by clinical setting. *Insights Imaging*. 2021 Jan 12;12(1):8. doi: 10.1186/s13244-020-00928-w. PMID: 33432491.
66. Brook OR, Vernuccio F, Nicola R, Cannella R, Altinmakas E. Visual abstract for Abdominal Radiology: what it is, why we need it and how to make it. *Abdom Radiol (NY)*. 2021 Jun;46(6):2403-2406. doi: 10.1007/s00261-020-02941-5. PMID: 33484282.
67. Gagliardo C, Cannella R, Filorizzo G, Toia P, Salvaggio G, Collura G, Pignolo A, Maugeri R, Napoli A, D'Amelio M, Bartolotta TV, Marrale M, Iacopino GD, Catalano C, Midiri M. Preoperative imaging findings in patients undergoing transcranial magnetic resonance imaging-guided focused ultrasound thalamotomy. *Sci Rep*. 2021 Jan 28;11(1):2524. doi: 10.1038/s41598-021-82271-8. PMID: 33510338.
68. Taibbi A, Petta S, Matranga D, Caruana G, Cannella R, Busè G, Marco VD, Midiri M, Bartolotta TV. Liver stiffness quantification in biopsyproven nonalcoholic fatty liver disease patients using shear wave elastography in comparison with transient elastography. *Ultrasonography*. 2021 Jul;40(3):407-416. doi: 10.14366/usg.20147. PMID: 33561928.
69. Celsa C, Cabibbo G, Enea M, Battaglia S, Rizzo GEM, Busacca A, Giuffrida P, Stornello C, Brancatelli G, Cannella R, Gruttadauria S, Cammà C. Are radiological endpoints surrogate outcomes of overall survival in hepatocellular carcinoma treated with transarterial chemoembolization? *Liver Int*. 2021 May;41(5):1105-1116. doi: 10.1111/liv.14822. PMID: 33587814.
70. Cannella R, Fraum TJ, Ludwig DR, Borhani AA, Tsung A, Furlan A, Fowler KJ. Targetoid appearance on T2-weighted imaging and signs of tumor vascular involvement: diagnostic value for differentiating HCC from other primary liver carcinomas. *Eur Radiol*. 2021 Sep;31(9):6868-6878. doi: 10.1007/s00330-021-07743-x. PMID: 33590319.
71. Celsa C, Giuffrida P, Stornello C, Grova M, Spatola F, Rizzo GEM, Busacca A, Cannella R, Battaglia S, Cammà C, Cabibbo G. Systemic therapies for hepatocellular carcinoma: the present and the future. *Recent Prog Med*. 2021 Feb;112(2):110-116. doi: 10.1701/3559.35371. PMID: 33624623.
72. Incorvaia L, Fanale D, Vincenzi B, De Luca I, Bartolotta TV, Cannella R, Pantuso G, Cabibi D, Russo A, Bazan V, Badalamenti G. Type and Gene Location of KIT Mutations Predict Progression-Free Survival to First-Line Imatinib in Gastrointestinal Stromal Tumors: A Look into the Exon. *Cancers (Basel)*. 2021 Feb 27;13(5):993. doi: 10.3390/cancers13050993. PMID: 33673554.
73. Cannella R, Tabone E, Porrello G, Cappello G, Gozzo C, Incorvaia L, Grignani G, Merlini A, D'Ambrosio L, Badalamenti G, Regge D, Bartolotta TV. Assessment of morphological CT imaging features for the prediction of risk stratification, mutations, and prognosis of gastrointestinal stromal tumors. *Eur Radiol*. 2021 Apr 21. doi: 10.1007/s00330-021-07961-3. PMID: 33881567.
74. Cannella R, Vernuccio F, Celsa C, Cabibbo G, Calvaruso V, Greco S, Battaglia S, Roy Choudhury K, Tang A, Midiri M, Di Marco V, Cammà C, Brancatelli G. Long-term evolution of LI-RADS observations in HCV-related cirrhosis treated with direct-acting antivirals. *Liver Int*. 2021 Sep;41(9):2179-2188. doi: 10.1111/liv.14914. PMID: 33908147.
75. Cannella R, Sartoris R, Grégory J, Garzelli L, Vilgrain V, Ronot M, Dioguardi Burgio M. Quantitative magnetic resonance imaging for focal liver lesions: bridging the gap between research and clinical practice. *Br J Radiol*. 2021 Jun 1;94(1122):20210220. doi: 10.1259/bjr.20210220. PMID: 33989042.
76. Cannella R, Cunha GM, Catania R, Chupetlovska K, Borhani AA, Fowler KJ, Furlan A. Magnetic Resonance Imaging of Nonhepatocellular Malignancies in Chronic Liver Disease. *Magn Reson Imaging Clin N Am*. 2021 Aug;29(3):404-418. doi: 10.1016/j.mric.2021.05.009. PMID: 34243926.

77. Cannella R, Dasyam A, Miller FH, Borhani AA. Magnetic Resonance Imaging of Liver Transplant. *Magn Reson Imaging Clin N Am*. 2021 Aug;29(3):437-450. doi: 10.1016/j.mric.2021.05.010. PMID: 34243928.
78. Cannella R, Ronot M, Sartoris R, Cauchy F, Hobeika C, Beaufrere A, Trapani L, Paradis V, Bouattour M, Bonvalet F, Vilgrain V, Dioguardi Burgio M. Enhancing capsule in hepatocellular carcinoma: intra-individual comparison between CT and MRI with extracellular contrast agent. *Diagn Interv Imaging*. 2021 Jul 17:S2211-5684(21)00166-2. doi: 10.1016/j.diii.2021.06.004. PMID: 34284951.
79. Salvaggio G, Comelli A, Portoghese M, Cutaia G, Cannella R, Vernuccio F, Stefano A, Dispensa N, La Tona G, Salvaggio L, Calamia M, Gagliardo C, Lagalla R, Midiri M. Deep Learning Network for Segmentation of the Prostate Gland With Median Lobe Enlargement in T2-weighted MR Images: Comparison With Manual Segmentation Method. *Curr Probl Diagn Radiol*. 2021 Jul 11:S0363-0188(21)00106-7. doi: 10.1067/j.cpradiol.2021.06.006. PMID: 34315623.
80. Cutaia G, Cannella R, Coraci G, Vernuccio F, Purpura P, Leto C, Rubino S, Calamia M, Raitano E, Salvaggio L, La Tona G, Midiri M, Salvaggio G. Diagnostic accuracy of IXIP index and prostate MRI in the diagnosis of prostate cancer: preliminary results on a combined approach. *Euromediterranean Biomedical Journal*. 2021;16 (28) 118-123. doi: 10.3269/1970-5492.2021.16.28.
81. Barone S, Cannella R, Comelli A, Pellegrino A, Salvaggio G, Stefano A, Vernuccio F. Hybrid descriptive-inferential method for key feature selection in prostate cancer radiomics. *Appl Stochastic Models Bus Ind*. 2021;1–12. doi: 10.1002/asmb.2642.
82. Cannella R, Vernuccio F, Antonucci M, Gagliano DS, Matteini F, Midiri M, Brancatelli G. LI-RADS ancillary features favoring benignity: is there a role in LR-5 observations? *Eur Radiol*. 2022 Mar;32(3):1804-1812. doi: 10.1007/s00330-021-08267-0. PMID: 34545444.
83. Vernuccio F, Arnone F, Cannella R, Verro B, Comelli A, Agnello F, Stefano A, Gargano R, Rodolico V, Salvaggio G, Lagalla R, Midiri M, Lo Casto A. Diagnostic performance of qualitative and radiomics approach to parotid gland tumors: which is the added benefit of texture analysis? *Br J Radiol*. 2021 Sep 30:20210340. doi: 10.1259/bjr.20210340. PMID: 34591597.
84. Cannella R, Dioguardi Burgio M, Beaufrere A, Trapani L, Paradis V, Hobeika C, Cauchy F, Bouattour M, Vilgrain V, Sartoris R, Ronot M. Imaging features of histological subtypes of hepatocellular carcinoma: implication for LI-RADS. *JHEP Rep*. 2021 Sep 30;3(6):100380. doi: 10.1016/j.jhepr.2021.100380. PMID: 34825155.
85. Vernuccio F, Messina C, Merz V, Cannella R, Midiri M. Resectable and Borderline Resectable Pancreatic Ductal Adenocarcinoma: Role of the Radiologist and Oncologist in the Era of Precision Medicine. *Diagnostics (Basel)*. 2021 Nov 22;11(11):2166. doi: 10.3390/diagnostics11112166. PMID: 34829513.
86. Vernuccio F, Cannella R, Bartolotta TV, Galia M, Tang A, Brancatelli G. Advances in liver US, CT, and MRI: moving toward the future. *Eur Radiol Exp*. 2021 Dec 7;5(1):52. doi: 10.1186/s41747-021-00250-0. PMID: 34873633.
87. Gozzo C, Caruana G, Cannella R, Farina A, Giambelluca D, Dinoto E, Vernuccio F, Basile A, Midiri M. CT angiography for the assessment of EVAR complications: a pictorial review. *Insights Imaging*. 2022 Jan 15;13(1):5. doi: 10.1186/s13244-021-01112-4. PMID: 35032231.
88. Salvaggio G, Cutaia G, Greco A, Pace M, Salvaggio L, Vernuccio F, Cannella R, Algeri L, Incorvaia L, Stefano A, Galia M, Badalamenti G, Comelli A. Deep Learning Networks for Automatic Retroperitoneal Sarcoma Segmentation in Computerized Tomography. *Appl. Sci*. 2022, 12(3), 1665. <https://doi.org/10.3390/app12031665>.
89. Cannella R. Editorial Comment: LI-RADS Provides High Accuracy for Liver Transplantation Eligibility in High-Risk Patients. *AJR Am J Roentgenol*. 2022 Feb 23. doi: 10.2214/AJR.22.27553. PMID: 35195437.
90. Iacono S, Di Stefano V, Gagliardo A, Cannella R, Virzi V, Pagano S, Lupica A, Romano M, Brighina F. Hirayama disease: Nosological classification and neuroimaging clues for diagnosis. *J Neuroimaging*. 2022 Jul;32(4):596-603. doi: 10.1111/jon.12995. Epub ahead of print. PMID: 35394668.
91. Dioguardi Burgio M, Brancatelli G, Sartoris R, Cannella R, Zins M, Aubé C, Mulé S, Luciani Am Ronot M, Vilgrain V. Gadoteric acid, the "new" hepatospecific contrast agent for MRI. *Journal d'imagerie diagnostique et interventionnelle*. 2022. <https://doi.org/10.1016/j.jidi.2022.01.015>.
92. Michallek F, Sartoris R, Beaufrere A, Dioguardi Burgio M, Cauchy F, Cannella R, Paradis V, Ronot M, Dewey M, Vilgrain V. Differentiation of hepatocellular adenoma by subtype and hepatocellular carcinoma in non-cirrhotic liver by fractal analysis of perfusion MRI. *Insights Imaging*. 2022 Apr 28;13(1):81. doi: 10.1186/s13244-022-01223-6. PMID: 35482151.
93. Sparacia G, Parla G, Cannella R, Mamone G, Petridis I, Maruzzelli L, Re VL, Shahriari M, Iaia A, Comelli A, Miraglia R, Luca A. Brain magnetic resonance imaging radiomics features associated with hepatic encephalopathy in adult cirrhotic patients. *Neuroradiology*. 2022 Oct;64(10):1969-1978. doi: 10.1007/s00234-022-02949-2. PMID: 35488097.
94. Dembinski J, Cannella R, Sauvanet A, Dokmak S. Laparoscopic spleen-preserving distal pancreatectomy with splenic vessel (vessels?) resection (laparoscopic Warshaw procedure). *J Visc Surg*. 2022 Oct;159(5):415-423. doi: 10.1016/j.jvisurg.2022.03.002. PMID: 35491391.
95. Cannella R, Lewis S, da Fonseca L, Ronot M, Rimola J. Immunotherapy-Based Treatments of Hepatocellular Carcinoma: AJR Expert Panel Narrative Review. *AJR Am J Roentgenol*. 2022 Oct;219(4):533-546. doi: 10.2214/AJR.22.27633. PMID: 35506555.
96. Vernuccio F, Cannella R, Cabibbo G, Greco S, Celsa C, Matteini F, Giuffrida P, Midiri M, Di Marco V, Cammà C, Brancatelli G. Role of LI-RADS Indeterminate Observations in the Risk of Hepatocellular Carcinoma after HCV Eradication with Direct-Acting Antivirals. *Diagnostics (Basel)*. 2022 May 10;12(5):1187. doi: 10.3390/diagnostics12051187. PMID: 35626341.
97. Ippolito D, Vernuccio F, Maino C, Cannella R, Giandola T, Ragusi M, Bigiogera V, Capodaglio C, Sironi S. Multiorgan Involvement in SARS-CoV-2 Infection: The Role of the Radiologist from Head to Toe. *Diagnostics (Basel)*. 2022 May 10;12(5):1188. doi: 10.3390/diagnostics12051188. PMID: 35626344.
98. Cannella R, Tselikas L, Douane F, Cauchy F, Rautou PE, Duran R, Ronot M. Imaging-guided interventions modulating portal venous flow: Evidence and controversies. *JHEP Rep*. 2022 Apr 4;4(7):100484. doi: 10.1016/j.jhepr.2022.100484. PMID: 35677591.
99. Cannella R, Cammà C, Matteini F, Celsa C, Giuffrida P, Enea M, Comelli A, Stefano A, Cammà C, Midiri M, Lagalla R, Brancatelli G, Vernuccio F. Radiomics Analysis on Gadoteric Disodium-Enhanced MRI Predicts Response to Transarterial Embolization in Patients with HCC. *Diagnostics (Basel)*. 2022 May 24;12(6):1308. doi: 10.3390/diagnostics12061308. PMID: 35741118.

100. Cutaia G, Gargano R, Cannella R, Feo N, Greco A, Merennino G, Nicastro N, Comelli A, Benfante V, Salvaggio G, Lo Casto A. Radiomics Analyses of Schwannomas in the Head and Neck: A Preliminary Analysis. In: Mazzeo, P.L., Frontoni, E., Sclaroff, S., Distante, C. (eds) Image Analysis and Processing. ICIAP 2022 Workshops. ICIAP 2022. Lecture Notes in Computer Science, vol 13373. Springer, Cham. Doi: 10.1007/978-3-031-13321-328.
101. Canfora I, Cutaia G, Marciànò M, Calamia M, Faraone R, Cannella R, Benfante V, Comelli A, Guercio G, Lo Re G, Salvaggio G. A Predictive System to Classify Preoperative Grading of Rectal Cancer Using Radiomics Features. In: Mazzeo, P.L., Frontoni, E., Sclaroff, S., Distante, C. (eds) Image Analysis and Processing. ICIAP 2022 Workshops. ICIAP 2022. Lecture Notes in Computer Science, vol 13373. Springer, Cham. Doi: 10.1007/978-3-031-13321-338.
102. Lo Casto A, Cannella R, Taravella R, Cordova A, Matta D, Campisi G, Attanasio M, Rinaldi G, Rodolico V. Diagnostic and prognostic value of magnetic resonance imaging in the detection of tumor depth of invasion and bone invasion in patients with oral cavity cancer. *Radiol Med*. 2022 Dec;127(12):1364-1372. doi: 10.1007/s11547-022-01565-7. PMID: 36255660.
103. Unterrainer M, Deroose CM, Herrmann K, Moehler M, Blomqvist L, Cannella R, Caramella C, Caruso D, Chouhan MD, Denecke T, De la Pinta C, De Geus-Oei LF, Dulskas A, Eisenblätter M, Foley KG, Gourtsoyianni S, Lecouvet FE, Lopci E, Maas M, Obmann MM, Oprea-Lager DE, Verhoeff JJC, Santiago I, Terraz S, D'Anastasi M, Regge D, Laghi A, Beets-Tan RGH, Heinemann V, Lordick F, Smyth EC, Ricke J, Kunz WG; European Organisation for Research and Treatment of Cancer (EORTC) Imaging Group; European Organisation for Research and Treatment of Cancer (EORTC) Gastrointestinal Tract Cancer Group; European Society of Oncologic Imaging (ESOI) and the European Society of Gastrointestinal and Abdominal Radiology (ESGAR). Imaging standardisation in metastatic colorectal cancer: A joint EORTC-ESOI-ESGAR expert consensus recommendation. *Eur J Cancer*. 2022 Sep 28;176:193-206. doi: 10.1016/j.ejca.2022.09.012. PMID: 36274570.
104. Giuffrida P, Celsa C, Antonucci M, Peri M, Grassini MV, Rancatore G, Giacchetto CM, Cannella R, Incorvaia L, Corsini LR, Morana P, La Mantia C, Badalamenti G, Brancatelli G, Cammà C, Cabibbo G. The Evolving Scenario in the Assessment of Radiological Response for Hepatocellular Carcinoma in the Era of Immunotherapy: Strengths and Weaknesses of Surrogate Endpoints. *Biomedicines*. 2022 Nov 6;10(11):2827. doi: 10.3390/biomedicines10112827. PMID: 36359347.
105. Porrello G, Vernuccio F, Alvarez-Hornia Pérez E, Brancatelli G, Cannella R. The Benign Side of the Abdominal Wall: A Pictorial Review of Non-Neoplastic Diseases. *Diagnostics (Basel)*. 2022 Dec 17;12(12):3211. doi: 10.3390/diagnostics12123211. PMID: 36553218.
106. Assouline J, Cannella R, Porrello G, de Mestier L, Dioguardi Burgio M, Raynaud L, Hentic O, Cros J, Tselikas L, Ruzsiewicz P, Vullierme MP, Vilgrain V, Duran R, Ronot M. Volumetric Enhancing Tumor Burden at CT to Predict Survival Outcomes in Patients with Neuroendocrine Liver Metastases after Intra-arterial Treatment. *Radiol Imaging Cancer*. 2023 Jan;5(1):e220051. doi: 10.1148/rycan.220051. PMID: 36607243.
107. Porrello G, Cannella R, Alvarez-Hornia Pérez E, Brancatelli G, Vernuccio F. The Neoplastic Side of the Abdominal Wall: A Comprehensive Pictorial Essay of Benign and Malignant Neoplasms. *Diagnostics (Basel)*. 2023 Jan 15;13(2):315. doi: 10.3390/diagnostics13020315. PMID: 36673126.
108. Bruno F, Albano D, Agostini A, Benenati M, Cannella R, Caruso D, Cellina M, Cozzi D, Danti G, De Muzio F, Gentili F, Giacobbe G, Gitto S, Grazzini G, Grazzini I, Messina C, Palmisano A, Palumbo P, Bruno A, Grassi F, Grassi R, Fusco R, Granata V, Giovagnoni A, Miele V, Barile A; Young SIRM Working Group. Imaging of metabolic and overload disorders in tissues and organs. *Jpn J Radiol*. 2023 Jun;41(6):571-595. doi: 10.1007/s11604-022-01379-7. PMID: 36680702.
109. Cannella R, Vernuccio F, Klontzas ME, Pongiglione A, Petrash E, Ugga L, Pinto Dos Santos D, Cuocolo R. Systematic review with radiomics quality score of cholangiocarcinoma: an EuSoMII Radiomics Auditing Group Initiative. *Insights Imaging*. 2023 Feb 1;14(1):21. doi: 10.1186/s13244-023-01365-1. PMID: 36720726.
110. Gerardi RM, Cannella R, Bonosi L, Vernuccio F, Ferini G, Viola A, Zagardo V, Buscemi F, Costanzo R, Porzio M, Giovannini EA, Paolini F, Brunasso L, Giammalva GR, Umana GE, Scarpitta A, Iacopino DG, Maugeri R. Forecasting Molecular Features in IDH-Wildtype Gliomas: The State of the Art of Radiomics Applied to Neurosurgery. *Cancers (Basel)*. 2023 Feb 2;15(3):940. doi: 10.3390/cancers15030940. PMID: 36765898.
111. Cannella R, Burgio MD, Sartoris R, Gregory J, Vilgrain V, Ronot M. Adherence to LI-RADS and EASL high-risk population criteria: a systematic review. *Hepatology*. 2023 Jun 1;77(6):1958-1967. doi: 10.1097/HEP.000000000000321. PMID: 36811397.
112. Ippolito D, Maino C, Vernuccio F, Cannella R, Inchingolo R, Dezio M, Faletti R, Bonaffini PA, Gatti M, Sironi S. Liver involvement in patients with COVID-19 infection: A comprehensive overview of diagnostic imaging features. *World J Gastroenterol*. 2023 Feb 7;29(5):834-850. doi: 10.3748/wjg.v29.i5.834. PMID: 36816623.
113. Bizeul J, Ronot M, Roux M, Cannella R, Lebigot J, Aubé C, Paisant A. Evaluation of washout using subtraction MRI for the diagnosis of hepatocellular carcinoma in cirrhotic patients with spontaneously T1-hyperintense nodules. *Diagn Interv Imaging*. 2023 Sep;104(9):427-434. doi: 10.1016/j.diii.2023.04.005. PMID: 37120391.
114. Inchingolo R, Maino C, Cannella R, Vernuccio F, Cortese F, Dezio M, Pisani AR, Giandola T, Gatti M, Giannini V, Ippolito D, Faletti R. Radiomics in colorectal cancer patients. *World J Gastroenterol*. 2023 May 21;29(19):2888-2904. doi: 10.3748/wjg.v29.i19.2888.
115. Porrello G, Cannella R, Randazzo A, Badalamenti G, Brancatelli G, Vernuccio F. CT and MR Imaging of Retroperitoneal Sarcomas: A Practical Guide for the Radiologist. *Cancers (Basel)*. 2023 May 30;15(11):2985. doi: 10.3390/cancers15112985.
116. Cannella R, Santinha J, Bèaufre A, Ronot M, Sartoris R, Cauchy F, Bouattour M, Matos C, Papanikolaou N, Vilgrain V, Dioguardi Burgio M. Performances and variability of CT radiomics for the prediction of microvascular invasion and survival in patients with HCC: a matter of chance or standardisation? *Eur Radiol*. 2023 Nov;33(11):7618-7628. doi: 10.1007/s00330-023-09852-1. PMID: 37338558.
117. Cappello G, Giannini V, Cannella R, Tabone E, Ambrosini I, Molea F, Damiani N, Landolfi I, Serra G, Porrello G, Gozzo C, Incorvaia L, Badalamenti G, Grignani G, Merlini A, D'Ambrosio L, Bartolotta TV, Regge D. A mutation-based radiomics signature predicts response to imatinib in Gastrointestinal Stromal Tumors (GIST). *Eur J Radiol Open*. 2023 Jul 10;11:100505. doi: 10.1016/j.ejro.2023.100505. PMID: 37484979.
118. Cannella R, Pilato G, Mazzola M, Bartolotta TV. New microvascular ultrasound techniques: abdominal applications. *Radiol Med*. 2023 Sep;128(9):1023-1034. doi: 10.1007/s11547-023-01679-6. Online ahead of print. PMID: 37495910.

119. Akinci D'Antonoli T, Cavallo AU, Vernuccio F, Stanzione A, Klontzas ME, Cannella R, Ugga L, Baran A, Fanni SC, Petrash E, Ambrosini I, Cappellini LA, van Ooijen P, Kotter E, Pinto Dos Santos D, Cuocolo R; EuSoMII Radiomics Auditing Group. Reproducibility of radiomics quality score: an intra- and inter-rater reliability study. *Eur Radiol.* 2023 Sep 21. doi: 10.1007/s00330-023-10217-x. PMID: 37733025.
120. Akinci D'Antonoli T, Stanzione A, Bluethgen C, Vernuccio F, Ugga L, Klontzas ME, Cuocolo R, Cannella R, Koçak B. Large language models in radiology: fundamentals, applications, ethical considerations, risks, and future directions. *Diagn Interv Radiol.* 2023 Oct 3. doi: 10.4274/dir.2023.232417. PMID: 37789676.
121. Pennisi G, Enea M, Romero-Gomez M, Bugianesi E, Wai-Sun Wong V, Fracanzani AL, de Ledinghen V, George J, Berzigotti A, Viganò M, Sebastiani G, Cannella R, Delamarre A, Di Maria G, Lange NF, Tulone A, Di Marco V, Cammà C, Petta S. Risk of liver-related events in metabolic dysfunction-associated steatohepatitis (MASH) patients with fibrosis: A comparative analysis of various risk stratification criteria. *Hepatology.* 2023 Oct 2. doi: 10.1097/HEP.0000000000000616. PMID: 37796137.
122. Pace M, Cannella R, Di Stefano V, Lupica A, Alonge P, Morici G, Brighina F, Brancato F, Midiri F, Galia M. Usefulness and Clinical Impact of Whole-Body MRI in Detecting Autoimmune Neuromuscular Disorders. *Brain Sci.* 2023 Oct 23;13(10):1500. doi: 10.3390/brainsci13101500. PMID: 37891867.
123. Maino C, Vernuccio F, Cannella R, Cortese F, Franco PN, Gaetani C, Giannini V, Inchingolo R, Ippolito D, Defeudis A, Pilato G, Tore D, Faletti R, Gatti M. Liver metastases: The role of magnetic resonance imaging. *World J Gastroenterol.* 2023 Sep 28;29(36):5180-5197. doi: 10.3748/wjg.v29.i36.5180. PMID: 37901445.
124. Franco PN, Vernuccio F, Maino C, Cannella R, Otero-García M, Ippolito D. Radiomics in Gynaecological Imaging: A State-of-the-Art Review. *Appl. Sci.* 2023, 13, 11839. doi: 10.3390/app132111839.

Publicazioni scientifiche come collaboratore

1. Haring MPD, de Haas RJ, van Vilsteren FGI, Klaase JM, Duiker EW, Blokzijl H, de Jong KP, de Meijer VE, Cuperus FJC; collaborators. Variation in the management of benign liver tumors: A European survey and case vignette study. *Clin Res Hepatol Gastroenterol.* 2023 Mar;47(3):102094. doi: 10.1016/j.clinre.2023.102094. PMID: 36781070.
2. Badgery HE, Muhlen-Schulte T, Zalcborg JR, D'souza B, Gerstenmaier JF, Pickett C, Samra J, Croagh D; Pancreatic Cancer Image Biobank Authorship Group. Determination of "borderline resectable" pancreatic cancer - A global assessment of 30 shades of grey. *HPB (Oxford).* 2023 Nov;25(11):1393-1401. doi: 10.1016/j.hpb.2023.07.883. Epub 2023 Jul 22. PMID: 37558564.

Capitoli di libro

1. Furlan A, Cannella R. Hepatocellular carcinoma: Diagnostic imaging criteria. Quai E (ed) *Imaging of the Liver and Intrahepatic Biliary Tract.* Springer International Publishing, pp 177-189. doi: 10.1007/978-3-030-39021-18.
2. Vernuccio F, Cannella R, Brancatelli G. Liver Imaging Reporting And Data System (LI-RADS diagnostic criteria). *MRI of the abdomen: technique and imaging findings.* Edited by Angelo Vanzulli, Stefano Colagrande, Luigi Grazioli, Giovanni Morana. Poletto editore, pp 132-137.
3. Vernuccio F, Cutaia, G, Cannella, R, Vernuccio L, Lagalla, R, Midiri, M. Chest CT in COVID-19 Pneumonia: Potentials and Limitations of Radiomics and Artificial Intelligence. *Understanding COVID-19: The Role of Computational Intelligence.* Springer International Publishing, 2022, 963, pp. 59–76. doi: 10.1007/978-3-030-74761-93.
4. Vernuccio F, Cannella R, Lagalla R, Midiri M. The roadmap to the adoption of computational intelligence in cancer diagnosis: The clinical radiological perspective. *Computational Intelligence in Cancer Diagnosis: Progress and Challenges.* Elsevier, 2023, pp. 3–11. doi: <https://doi.org/10.1016/B978-0-323-85240-1.00020-1>.

AMBITI DI RICERCA

- Applicazioni innovative dell'imaging quantitativo e della radiomica alle lesioni epato-biliopancreatiche.
- Imaging epatico: quantificazione della steatosi e della fibrosi epatica, valutazione radiologica dell'epatocarcinoma.
- Imaging pancreatico: valutazione radiologica dell'adenocarcinoma pancreatico.
- Intelligenza artificiale.