

## CURRICULUM VITAE

Pietro Andrea Bonaffini

Address:

Phone number:                      e-  
mail:

### LANGUAGES

- English: good (reading, writing, speaking skills)
- Italian: mother tongue

### SKILLS

- Teamwork capability, for clinical and research activity
- Capability of working in multicultural environments
- Supervision, coordination and education of university students (School of Medicine, School of Dentistry) and residents (Post Graduate School of Diagnostic Radiology)
- Capability to use the main programs for Mac and Windows
- Online survey of main scientific papers and on PubMed
- Experience as speaker and poster presentation at national and international meetings (RSNA 2011, 2012, 2015; ECR 2011-2018; SIRM 2010, 2012, 2014; ESGAR 2012; ESOI 2015; ISMRM 2019), with oral communications

### EDUCATION

**Specialist in Diagnostic Radiology**, year 2012 (March 2008-March 2012)

Post Graduate School of Diagnostic Radiology, University of Milano-Bicocca (Piazza dell'Ateneo Nuovo 1, 20162, Milano)

State Exam internship to qualify for profession certification in Medicine, October 2007-February 2008 School of Medicine, University of Milano-Bicocca (Piazza dell'Ateneo Nuovo 1, 20162, Milano)

**Bachelor of Medicine**, year 2007 (September 2000-July 2007)

School of Medicine, University of Milano-Bicocca (Piazza dell'Ateneo Nuovo 1, 20162, Milano)

### WORK EXPERIENCE

August 2019-to date

**Staff**, Department of Diagnostic Radiology, ASST Papa Giovanni XXIII, piazza OMS1, 24127, Bergamo

*Main duties:*

- Execute and report conventional radiology (chest, abdomen, skeletal segments), MDCT (neck, chest, abdomen, bones), ultrasound (abdomen, thyroid, small parts) and MRI (abdomen, pelvis, MSK, prostate) examinations for in/outpatients
- Diagnostic Radiology for emergency department and first aid
- Predominant interest in oncologic and functional imaging
- Supervise and coordinate residents (Post Graduate School of Diagnostic Radiology, University of Milano-Bicocca)
- Research and academic activity (residents, university students)
- Department co-coordination

July 2017-June 2019

**Fellow** (abdominal imaging and non-vascular interventional radiology), research (July 2017-June 2018) and clinical (July 2017-June 2019), McGill University Health Center (MUHC), Montreal, Quebec, Canada

*Main duties:*

- Reporting of in/outpatients US, CT and MRI scan of abdomen and pelvis and thyroid/small parts US
- Execution of interventional non-vascular procedures (thoracentesis, paracentesis, abscess drainages, cholecystostomy, biopsies), US and CT-guided
- Research and teaching activity (residents)

October 2015-June 2017

**Staff**, Department of Diagnostic Radiology, Desio Hospital, via Mazzini 1, 20832, Desio

*Main duties:*

- Execute and report conventional radiology (chest, abdomen, skeletal segments, orthopantomography), MDCT (brain, maxillo-facial district, CT dental scan, neck, chest, abdomen), ultrasound (abdomen, thyroid, small parts) and MRI (abdomen, pelvis, whole-body for multiple myeloma) examinations for in/outpatients
- Diagnostic Radiology for emergency department and first aid
- Predominant interest in oncologic and functional imaging
- Supervise and coordinate residents (Post Graduate School of Diagnostic Radiology, University of Milano-Bicocca)
- Research (draft writing and supervision, approval course) and academic activity (residents, university students)

May 2012-September 2015

**Independent specialist** (May 2012-March 2014) and **Staff** (April 2014-September 2015), Department of Diagnostic Radiology, San Gerardo Hospital, via Pergolesi 33, 20900, Monza

*Main duties:*

- Execute and report conventional radiology (chest, abdomen, skeletal segments), MDCT (neck, chest, abdomen), ultrasound (abdomen, thyroid, small parts) and MRI (abdomen, pelvis, whole-body for multiple myeloma) examinations for in/outpatients
- Diagnostic Radiology for emergency department and first aid
- Predominant interest in oncologic and functional imaging (CT-perfusion, DWI)
- Supervise and coordinate residents (Post Graduate School of Diagnostic Radiology, University of Milano-Bicocca)
- Research (draft writing and supervision, approval course) and academic activity (residents, university students)

October 2013-March 2014

**Professional Fellow**, Department of Health Sciences, University of Milano-Bicocca, Piazza della Scienza 3, 20126, Milano *Main duties:*

- Research activity in oncologic imaging (MDCT and MRI in liver and pancreatic pathologies)
- Supervise and coordinate residents (Post Graduate School of Diagnostic Radiology, University of Milano-Bicocca)
- Academic activity (residents, university students)

May 2012-May 2013

**Professional Fellow**, Tecnomed Foundation, University of Milano-Bicocca, via Pergolesi 33, 20900, Monza *Main duties*:

- Research activity in molecular imaging in oncology: whole-body MRI with DWIBS sequences in multiple myeloma patients, PET/CT in patients with ovarian cancer
- Supervise and coordinate residents (Post Graduate School of Diagnostic Radiology, University of Milano-Bicocca)
- Academic activity (residents, university students)

May 2011-November 2011 (4<sup>th</sup> year residency training)

**Research Fellow**, Department of Radiology - Division of Abdominal Imaging and Intervention, Massachusetts General Hospital (MGH), Harvard Medical School, 55 Fruit Street, 02214, Boston, MA *Main duties*:

- Research activity in abdominal oncology, particularly in pancreatic imaging (data collection and analysis, drafts and paper writing)
- Reviewer activity
- Attend interdisciplinary and round meetings (diagnostic radiology, abdominal oncology and surgery)

March 2008-March 2012

**Resident** (Post Graduate School of Diagnostic Radiology, University of Milano-Bicocca);

- Department of Diagnostic Radiology, San Gerardo Hospital, Monza (February 2009-October 2010 and December 2011-March 2012)

- Department of Diagnostic Radiology, Niguarda Ca' Granda Hospital, Milan (October 2010-May 2011)

- Department of Diagnostic Radiology, Desio Hospital (March 2008-January 2009) *Main duties*:

- Plan, execute and report exams for in and outpatients: conventional radiology (chest, abdomen, skeletal segments, post-contrast examinations), MDCT (neck, chest, abdomen, small parts), MRI (neck, chest, abdomen and pelvis, joints and bones), ultrasound (abdomen, thyroid, small parts), neuroradiology studies (MDCT: brain, maxillo-facial, spine; MRI: brain, spine).
- Diagnostic Radiology for emergency department and first aid (conventional radiology, MDCT, sonography and FAST sonography)
- Research activity (data collection, imaging and data analysis, draft writing): perfusion-CT in cirrhotic patients with HCC, DWI in WB-MRI studies for multiple myeloma patients
- Oral presentations at national and international meetings

July 2006-July 2007

**Medical Student** (School of Medicine, University of Milano-Bicocca), Department of Nuclear Medicine, San Gerardo Hospital, Monza *Main duties*:

- Collect and analyze data; evaluate PET/CT studies, especially in oncologic patients (particularly lymphomas, lung and gynecologic neoplastic diseases)
- Thesis draft ("*Comparison between CECT and PET/CT with 18F-FDG in the staging and in the evaluation of response to treatment in patients with Hodgkin's disease*")

#### **ACTIVITIES AND INTERESTS**

- Outdoor digital photography
- Travels (Europe, Japan, North America, Mexico)
- Cinema

#### **SOCIETY/RESEARCH CENTER MEMBERSHIPS**

- European Society of Radiology (ESR)

- Italian Society of Medical Radiology (SIRM)
- European Society of Oncologic Imaging (ESOI)
- European Society of Hybrid Imaging (ESHI)

## PUBLICATIONS

1. Title: “*Liver involvement in patients with COVID-19 infection: A comprehensive overview of diagnostic imaging features*”. Authors: D. Ippolito; C. Maino; F. Vernuccio; R. Cannella; R. Inchingolo; M. Dezio; R. Faletti; **P.A. Bonaffini**; M. Gatti; S. Sironi. Published on *WJG*, 2023;
2. Title: “*Embolization in Pediatric Patients: A Comprehensive Review of Indications, Procedures, and Clinical Outcomes*”. Authors: P. Marra; B. Di Fazio; L. Dulcetta; F. S. Carbone; R. Muglia; **P.A. Bonaffini**; C. Valle; F. Corvino; F. Giurazza; G. Muscogiuri; M. Venturini; S. Sironi. Published on *Journal of Clinical Medicine*, 2022;
3. Title: “*Radiomics in PI-RADS 3 Multiparametric MRI for Prostate Cancer Identification: Literature Models Re-Implementation and Proposal of a Clinical–Radiological Model*”. Authors: A. Corsi; E. De Bernardi; **P.A. Bonaffini**; P.N. Franco; D. Nicoletta; R. Simonini; D. Ippolito; G. Perugini; M. Occhipinti; L.F. Da Pozzo; S. Sironi. Published on *Journal of Clinical Medicine*, 2022;
4. Title: “*Structural and Functional Pulmonary Assessment in Severe COVID-19 Survivors at 12 Months after Discharge*”. Authors: Corsi A.; Caroli A.; **P.A. Bonaffini**; C. Conti; A. Arrigoni; E. Mercanzin; G. Imeri; M. Anelli; M. Balbi; M. Pace; A. Zanoletti; M. Capelli; F. Di Marco; S. Sironi. Published on *Tomography*, 2022;
5. Title: “*Embolization in Pediatric Patients: A Comprehensive Review of Indications, Procedures, and Clinical Outcomes*”. Authors: P. Marra; B. Di Fazio; L. Dulcetta; F.S. Carbone; R. Muglia; **P.A. Bonaffini**; C. Valle; F. Corvino; F. Giurazza; G. Muscogiuri; M. Venturini; S. Sironi. Published on *Journal of Clinical Medicine*, 2022;
6. Title: “*Advanced Imaging in Multiple Myeloma: New Frontiers for MRI*”. Authors: P. Torkian; J. Azadbakht; **P.A. Bonaffini**; B. Amini; M. Chalian. Published on *Diagnostics*, 2022;
7. Title: “*Embolisation of the parenchymal tract after percutaneous portal vein catheterization: a retrospective comparison of outcomes with different techniques in two centres*”. Authors: P. Marra; F.S. Carbone; L. Augello; L. Dulcetta; R. Muglia; **P.A. Bonaffini**; A. Della Corte; S. Steidler; S. Gusmini; G. Guazzarotti; D. Palumbo; M. Venturini; F. De Cobelli; S. Sironi. Published on *Tomography*, 2022;
8. Title: “*Ischemic and hemorrhagic abdominal complications in COVID-19 patients: experience from the first Italian wave*”. Authors: **P.A. Bonaffini**; P.N. Franco; A. Bonanomi; C. Giaccherini; C. Valle; P. Marra; L. Norsa; M. Marchetti; A. Falanga; S. Sironi. Published on *European Journal of Medical Research*, 2022;
9. Title: “*Myeloma Spine and Bone Damage Score (MSBDS) on Whole-Body Computed Tomography (WBCT): Multiple Reader Agreement in a Multicenter Reliability Study*”. Authors: A.S. Tagliafico; C. Valle; **P.A. Bonaffini**; A. Attieh; M. Bauckneht; L. Belgioia; B. Bignotti; N. Brunetti; A. Bonsignore; E. Capaccio; S. De Giorgis; A. Garlaschi; S. Morbelli; F. Rossi; L. Torri; S. Caprioli; S. Tosto; M. Cea; A. Dominietto. Published on *Diagnostics*, 2022;
10. Title: “*Extent and Distribution of Parenchymal Abnormalities in Baseline CT-Scans Do Not Predict Awake Prone Positioning Response in COVID-19 Related ARDS*”. Authors: F. Raimondi; S. Cazzaniga; S. Annibali; L. Novelli; M. Brivio; S. Pappacena; L. Malandrino; **P.A. Bonaffini**; I. Bianco; N. Liggeri; P. Gritti; F.L. Lorini; S. Sironi; F. Di Marco. Published on *Diagnostics*, 2022;
11. Title: “*T2\*-Weighted Imaging Performance in the Detection of Deep Endometriosis among Readers with Different Experience: Comparison with Conventional MRI Sequences*”. Authors:

- P.N. Franco; S. Annibali; S. Viganò; C. Cazzella; C. Marra; A. Smedile, **P.A. Bonaffini**; P. Marra; M.M. Otero Garcia; C. Reinhold; S. Sironi. Published on *Diagnostics*, 2022;
12. Title: “*Superb Microvascular Imaging (SMI) Compared with Color Doppler Ultrasound for the Assessment of Hepatic Artery in Pediatric Liver Transplants: A Feasibility Study*”. Authors: E. Collaku; R. Simonini; M. Balbi; **P.A. Bonaffini**; C. Valle; C. Morzenti; R.F. Faseli; A. Ferrari; D. Ippolito; P. Marra, T. Barbui, S. Sironi. Published on *Diagnostics*, 2022;
  13. Title: “*A New Biodegradable Stent to Improve the Management of Biliary Strictures in Pediatric Split Liver Transplantation*”. Authors: P. Marra, F.S. Carbone, L. Dulcetta, **P.A. Bonaffini**, R. Miglia, L. D’Antiga, S. Sironi. Published on *Cardiovasc Intervent Radio*, 2022;
  14. Title: “*Accuracy of Inflow Inversion Recovery (IFIR) for Upper Abdominal Arteries Evaluation: Comparison with Contrast-Enhanced MR and CTA*”. Authors R. Simonini, **P.A. Bonaffini**, M. Porta, C. Maino, F.S. Carbone, L. Dulcetta, P. Brambilla, P. Marra, S. Sironi. Published on *Diagnostics*, 2022;
  15. Title: “*Biliary complications in pediatric liver transplantation: findings of percutaneous transhepatic cholangiography in a large single-center cohort*”. Authors: L. Dulcetta, P. Marra, F.S. Carbone, **P.A. Bonaffini**, C. Sallemi, N. Sansotta, M. Colledan, L. D’Antiga, S. Sironi. Published on *Pediatric Radiol*, 2022;
  16. Title: “*<sup>18</sup>F-FDG PET-CT incidental lung findings in asymptomatic COVID-19 patients: evidence from the Italian core of the first pandemic peak*”. **Authors:** Bonanomi A., **Bonaffini P.A.**, Spallino M., Dulcetta L., Franco P.N., Valle C., Marra P., Bruno A., Sironi S. Published on *Asia Ocean J Nucl Med Biol*, 2022
  17. Title: “*Dose Exposure and Diagnostic Capability of Split Bolus Computed Tomography Urography (CTU): Comparison with Single Bolus Technique*”. Authors: C. Valle, **P.A. Bonaffini**, M. Balbi, F. Invernizzi, N. Liggeri, C.M.L. Mondellini, A. Pappini, S. Sironi. Published on *Acta Scientific Medical Sciences*, 2021;
  18. Title: “*Liver injury in COVID-19 and IL-6 trans-signaling-induced endotheliopathy*”. Authors: M.J. McConnel, N. Kawaguchi, R. Kondo, A. Sonzogni, L. Licini, C. Valle, **P.A. Bonaffini**, S. Sironi, M.G. Alessio, G. Previtali, M. Seghezzi, X. Zhang, A. I Lee, A.B. Pine, H.J. Chun, X.Zhang, C. Fernandez-Hernando, H. Qing, A. Want, C. Price, Z. Sun, T. Utsumi, J. Hwa, M. Strazzabosco, Y. Iwakiri. Published on *J Hepato*, 2021;
  19. Title: “*Intestinal ischemic manifestations of SARS-CoV-2: Results from the ABDOCOVID multicentre study*” Authors: Norsa L, **Bonaffini PA**, Caldato M, Bonifacio C, Sonzogni A, Indriolo A, Valle C, Furfaro F, Bonanomi A, Franco PN, Gori M, Smania V, Scaramella L, Forzenigo L, Vecchi M, Solbiati M, Costantino G, Danese S, D’Antiga L, Sironi S, Elli L. Published on *World J Gastroenterol* 2021;
  20. Title: “*Pathological characteristics of liver sinusoidal thrombosis in COVID-19 patients: A series of 43 cases*”. R. Kondo, N. Kawaguchi, M.J. McConnel, A. Sonzogni, L. Licini, C. Valle, **P.A. Bonaffini**, S. Sironi, M.G. Alessio, G. Previtali, M. Seghezzi, X. Zhang, Z. Sun, T. Utsumi, M. Strazzabosco, Y. Iwakiri. Published on *Hepatology Research*, 2021
  21. Title: “*Arterioportal Fistulas (APFs) in Pediatric Patients: Single Center Experience with Interventional Radiological versus Conservative Management and Clinical Outcomes*”. Authors: P. Marra, L. Dulcetta, F.S. Carbone, R. Agazzi, R. Muglia, **P.A. Bonaffini**, E. Bonanomi, M. Colledan, L. D’Antiga, M. Venturini, S. Sironi. Published on *J Clin Med*, 2021;
  22. Title: “*Diagnostic Value of Whole-Body MRI Short Protocols in Bone Lesion Detection in Multiple Myeloma Patients*”. Authors: D. Ippolito, T. Giandola, C. Maino, D. Gandola, M. Ragusi, P. Brambilla, P.A. Bonaffini, S. Sironi. Published on *Diagnostics*, 2021;
  23. Title: “*Whole Body Low Dose Computed Tomography (WBLDCT) Can Be Comparable to Whole-Body Magnetic Resonance Imaging (WBMRI) in the Assessment of Multiple Myeloma*”. Authors: D. Ippolito, T. Giandola, C. Maino, D. Gandola, M. Ragusi, **P.A. Bonaffini**, S. Sironi. Published on *Diagnostics*, 2021;

24. Title: “*Long-term Implications of Persistent Diverticulitis*”. Authors: A. Alnaki, R. Garfinkle, T. Almalki, V. Pelsser, **P.A. Bonaffini**, C. Reinhold, N. Morin, C. A. Vasilevsky, A. S. Liberman, M. Boutros. Published on *Dis Colon Rectum*, 2021;
25. Title: “*Impact of clinical and subclinical coronary artery disease as assessed by coronary artery calcium in COVID-19*”. Authors: A. Scoccia, G. Gallone, A. Cereda, A. Palmisano, D. Vignale, R. Leone, V. Nicoletti, C. Gnasso, A. Monello, A. Khokhar, A. Sticchi, A. Biagi, C. Tacchetti, G. Campo, C. Rapezzi, F. Ponticelli, G.B. Danzi, M. Loffi, G. Pontone, D. Andreini, G. Casella, G. Iannopolo., D. Ippolito, G. Bellani, G. Patelli, F. Besana, C. Costa, L. Vignali, G. Benatti, M. Iannaccone, P.G. Vaudano, A. Pacielli, C.C. De Carlini, S. Maggiolini, **P.A. Bonaffini**, M. Senni, E. Scarnecchia, F. Anastasio, A. Colombo, R. Ferrari, A. Esposito, F. Giannini, M. Toselli. Published on *Atherosclerosis*, 2021;
26. Title: “*Surviving COVID-19 in Bergamo province: a post-acute outpatient re-evaluation*”. Authors: S. Venturelli, S.V. Benatti, M. Casati, F. Binda, G. Zuglian, G. Imeri, C. Conti, A.M. Biffi, M.S. Spada, E. Bondi, G. Camera, R. Severgnini, A. Giammarresi, C. Marinaro, A. Rossini, **P.A. Bonaffini**, G. Guerra, A. Bellasi, S. Cesa, M. Rizzi. Published on *Epidemiol Infect*, 2021;
27. Title: “*Post-discharge chest CT findings and pulmonary function tests in severe COVID-19 patients*”. Authors: Balbi M, Conti C, Imeri G, Caroli A, Surace A, Corsi A, Mercanzin E, Arrigoni A, Villa G, Di Marco F, **Bonaffini PA**, Sironi S. Published on *EJR*, 2021;
28. Title: “*Convolutional neural networks for PET functional volume fully automatic segmentation: development and validation in a multi-center setting*”. Authors: A. Iantsen, M. Ferreira, F. Lucia, V. Jaouen, C. Reinhold, **P.A. Bonaffini**, J. Alfieri, R. Rovira, I. Masson, P. Robin, A. Mervoyer, C. Rousseau, F. Kridelka, M. Decuyper, P. Lovinfosse, O. Pradier, R. Hustinx, U. Schick, D. Visvikis, M. Hatt. Published on *Eur J Nucl Med Mol Imaging*, 2021;
29. Title: “*Coronary and thoracic calcium scores predict mortality and provides pathophysiologic insights in COVID-19 patients*”. Authors: F. Giannini, M. Toselli, A. Palmisano, A. Cereda, D. Vignale, R. Leone, V. Nicoletti, C. Gnasso, A. Monello, M. Manfrini, A. Khokhar, A. Sticchi, A. Biagi, P. Turchio, C. Tacchetti, G. Landoni, E. Boccia, G. Campo, A. Scoccia, F. Ponticelli, G.B. Danzi, M. Loffi, M. Muri, G. Pontone, D. Andreini, E.M. Mancini, G. Casella, G. Iannopolo, T. Nannini, D. Ippolito, G. Bellani, C.T. Franzesi, G. Patelli, F. Besana, C. Costa, L. Vignali, G. Benatti, N. Sverzellati, E. Scarnecchia, F.P. Lombardo, F. Anastasio, M. Iannaccone, P.G. Vaudano, A. Pacielli, L. Baffoni, I. Gardi, E. Cesini, M. Sperandio, C. Micossi, C.C. De Carlini, C. Spreafico, S. Maggiolini, **P.A. Bonaffini**, A. Iacovoni, S. Sironi, M. Senni, E. Fominskiy, F. De Cobelli, A.P. Maggioni, C. Rapezzi, R. Ferrari, A. Colombo, A. Esposito. Published on *J Cardiovasc Comput Tomogr*, 2021;
30. Title: “*Association between pulmonary embolism and COVID-19 severe pneumonia: Experience from two centers in the core of the infection Italian peak*”. Autori: C. Valle, **P.A. Bonaffini**, M. Dal Corso, E. Mercanzin, P.N. Franco, A. Sonzogni, G. Vacca, A. Gianatti, S. Sironi. Published on *EJR*, 2021;
31. Title: “*Diagnostic Algorithm to Differentiate Benign Atypical Leiomyomas from Malignant Uterine Sarcomas with Diffusion-weighted MRI*. Authors: C.A. Wahab, AS. Jannot, **P.A. Bonaffini**, C. Bourillon, C. Cornou, MA. Lefrère-Belda, AS. Bats, I.Thomassin-Naggara, A. Bellucci, C. Reinhold, L.S. Fournier. Published on *Radiology*, 2020;
32. Title: “*Chest X-ray for predicting mortality and the need for ventilatory support in COVID-19 patients presenting to the emergency department*”. Authors: M. Balbi, A. Caroli, A. Corsi, G. Milanese, A. Surace, F. Di Marco, L. Novelli, M. Silva, F. L. Lorini, A. Duca, R. Cosentini, N. Sverzellati, **P.A. Bonaffini**, S. Sironi. Published on *ER*, 2020;
33. Title: “*Conditional risk of diverticulitis after non-operative management*”. Authors: R. Garfinkle, T. Almalki, V. Pelsser, **P.A. Bonaffini**, C. Reinhold, N. Morin, C.A. Vasilevsky, A.S. Liberman, M. Boutros. Published on *Br J Surg*, 2020.
34. Title: “*Family History Is Associated With Recurrent Diverticulitis After an Episode of Diverticulitis Managed Nonoperatively*”. Authors: T. Almalki, R. Garfinkle, E. Kmiotek, V.

- Pelsser, **P.A. Bonaffini**, C. Reinhold, P. Yousef, N. Morin, C.A. Vasilevsky, A.S. Liberman, M. Boutros. Published on *Dis Col Rectum*, 2020;
35. Title: "*Intestinal ischemia in the COVID-19 era*". Authors: L. Norsa, C. Valle, D. Morotti, **P.A. Bonaffini**, A. Indriolo, A. Sonzogni. Published on *Dig Liv Disease*, 2020;
36. Title: "*Poor Outcome of Intestinal Ischemic Manifestations of COVID-19*". Authors: L. Norsa, **P.A. Bonaffini**, A. Indriolo, C. Valle, A. Sonzogni, S. Sironi. Published on *Gastroenterology*, 2020;
37. Titolo: "*How to differentiate uterine leiomyosarcoma from leiomyoma with imaging*". Authors: S. Sun, **P.A. Bonaffini**, S. Nougaret, L. fournier, A. Dohan, J. Chong, J. Smith, H. Addley, C. Renihold. Published on *Diagn Interv Imaging*, 2019;
38. Title: "*External validation of a combined PET and MRI radiomics model for prediction of recurrence in cervical cancer patients treated with chemoradiotherapy*". Authors: F. Lucia, D. Visvikis, M. Vallières, M.C. Desseroit, O. Miranda, P. Robin, **P.A. Bonaffini**, J. Alfieri, I. Masson, A. Mervoyer, C. Reinhold, O. Pradier, M. Hatt, U. Schick. Published on *Eur J Nucl Med Mol Imaging*, 2019;
39. Title: "*Comparison of Radiomics Models Built Through Machine Learning in a Multicentric Context With Independent Testing: Identical Data, Similar Algorithms, Different Methodologies*". Authors: T. Upadhaya, M. Vallières, A. Chatterjee, F. Lucia, P.A. Bonaffini, I. Masson, A. Mervoyer, C. Reinhold, U. Schick, J. Seuntjens, C. Cheze Le Rest, D. Visvikis, M. Hatt. Published on *IEEE*, 2018;
40. Title: "*Tubular spleen: a previously unreported anatomical variation*" Authors: C. Valle, **P.A. Bonaffini**, M. Costantini, A. Pappini, S. Sironi. EuroRad Radiological Case Database, 2018;
41. Title: "*Relative volume measured with magnetic resonance imaging is an articular collapse predictor in hematological pediatric patients with femoral head osteonecrosis*" Authors: D. Ippolito, Masetto A, C.T. Franzesi, **P.A. Bonaffini**, A. Casiraghi, S. Sironi. Published on *World J Radiol*, Aug 2016;
42. Title: "*Lower-limb MRI in the staging and re-staging of osteonecrosis in paediatric patients affected by acute lymphoblastic leukaemia after therapy*" Authors: D. Ippolito, Masetto A, C.T. Franzesi, **P.A. Bonaffini**, A. Sala, A. Biondi, S. Sironi. Published on *Skeletal Radiol*, Apr 2016;
43. Title: "*CT enterography: diagnostic value of 4<sup>th</sup> generation iterative reconstruction algorithm in low dose studies in comparison with standard dose protocol for follow-up of patients with Crohn's disease*" Authors: D. Ippolito, S. Lombardi, C. Trattenero, C.T. Franzesi, **P.A. Bonaffini**, S. Sironi. Published on *Eur J Radiol*, Jan 2016;
44. Title: "*Intraobserver and interobserver agreement in the evaluation of tumor vascularization with computed tomography perfusion in cirrhotic patients with hepatocellular carcinoma*" Authors: D. Ippolito, A. Casiraghi, C. Talei Franzesi, **P.A. Bonaffini**, D. Fior, S. Sironi. Published on *J Comput Assist Tomogr*, Jan 2016;
45. Title: "*Duodenocaval Fistula in a Patient with Inferior Vena Cava Leiomyosarcoma Treated by Surgical Resection and Caval Polytetrafluoroethylene Prosthesis*" Authors: D. Ippolito, G. Querques, S.G. Drago, **P.A. Bonaffini**, S. Sironi. Published on *Case Rep Radiol*. 2015;
46. Title: "*Apparent Diffusion Coefficient maps integrated in Whole-Body MRI examination for the evaluation of tumor response to chemotherapy in patients with multiple myeloma*" Authors: **P.A. Bonaffini**, D. Ippolito, A. Casiraghi, V. Besostri, C.T. Franzesi, S. Sironi. Published on *Acad Radiol*, July 2015;
47. Title: "*Diagnostic accuracy of 256-Detector row Computed Tomography in detection and characterization of incidental pancreatic cystic lesions*" Authors: D. Ippolito, P. Allegranza, **P.A. Bonaffini**, C. Talei Franzesi, F. Leone, S. Sironi. Published on *Gastroenterol Res Pract*, June 2015;
48. Title: "*Inter-observer agreement for the evaluation of bone involvement on Whole Body Low Dose Computed Tomography (WBLDCT) in Multiple Myeloma (MM)*" Authors: M. Zacchino,

- P.A. Bonaffini**, A. Corso, V. Minetti, A. Nasatti, C. Tinelli, R. Dore, F. Calliada, S. Sironi. Published on *Eur Radiol*, May 2015;
49. Title: "*Low kV settings CT angiography (CTA) with low dose contrast medium volume protocol in the assessment of thoracic and abdominal aorta disease: a feasibility study*" Authors: D. Ippolito, C. Talei Franzesi, D. Fior, P.A. Bonaffini, O. Minutolo, S. Sironi. Published on *Br J Radiol*, May 2015;
50. Title: "*Diagnostic value of semiquantitative analysis of dynamic susceptibility contrast Magnetic Resonance Imaging with GD-EOB-DTPA in focal liver lesions characterization: a feasibility study*" Authors: D. Ippolito, M. Colombo, C. Trattenero, P.A. Bonaffini, C. Talei Franzesi, D. Fior, S. Sironi. Published on *Gastroenterol Res Pract*, April 2015;
51. Title: "*Quantitative evaluation of CT-perfusion map as indicator of tumor response to transarterial chemoembolization and radiofrequency ablation in HCC patients*" Authors: D. Ippolito, D. Fior, P.A. Bonaffini, C. Capraro, D. Leni, R. Corso, S. Sironi. Published on *Eur J Radiol*, September 2014;
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54. Title: "*Diagnostic value of whole-body low-dose computed tomography (WBLDCT) in bone lesions detection in patients with multiple myeloma (MM)*" Authors: D. Ippolito, V. Besostri, **P.A. Bonaffini**, F. Rossini, A. Di Lelio, S. Sironi. Published on *Eur J Radiol*, December 2013;
55. Title: "*Incidental neuroendocrine tumors of the pancreas: MDCT findings and features of malignancy*" Authors: A. Gallotti, R.P. Johnston, **P.A. Bonaffini**, T. Ingkakul, V. Deshpande, C. Fernández-del Castillo, D.V. Sahani. Published on *AJR Am J Roentgenol*, February 2013;
56. Title: "*Gastroenteropancreatic neuroendocrine tumors: role of imaging in diagnosis and management*" Autori: D.V. Sahani, **P.A. Bonaffini**, C. Fernández-Del Castillo, M. Blake. Published on *Radiology*, 2013;
57. Title: "*State-of-the-art PET-CT in imaging the pancreas: current role and limitations*" Authors: D.V. Sahani, **P.A. Bonaffini**, O.A. Catalano, A.R. Guimaraes, M. Blake. Published on *RadioGraphics*, July 2012;
58. Title: "*Viable residual tumor tissue after radiofrequency ablation treatment in hepatocellular carcinoma: evaluation with CT perfusion*" Authors: D. Ippolito, **P.A. Bonaffini**, C. Capraro, D. Leni, R. Corso, S. Sironi. Published on *Abdominal Imaging*, June 2012;
59. Title: "*Hepatocellular carcinoma treated with transarterial chemoembolization: dynamic perfusionCT in the assessment of residual tumor*" Authors: D. Ippolito, **P.A. Bonaffini**, L. Ratti, L. Antolini, R. Corso, F. Fazio, S. Sironi. Published on *World Journal of Gastroenterology*, December 2010

#### **BOOK CHAPTERS**

- Title chapter: "*Principles of CE-MRA and non contrast techniques*" Authors: A. Vanzulli, **P.A. Bonaffini**, D. Artioli. Book: "*Angio RM Body: The Essential*" (By A. Ragozzino), January 2011 (StudioProgress Snc)

#### **TEACHING EXPERIENCE**

Academic years 2009-2010 and 2010-2011:

- Teaching support for the Diagnostic Radiology course, International College of Osteopathic Medicine (ICOM)

Academic years 2009-2010, 2010-2011, 2011-2012:

- Teaching support for the Diagnostic Radiology course, Osteopathy Master at “Don Gnocchi Foundation”

Academic years 2012-2017:

- Teaching support and Professor on contract (from academic year 2014/2015) for the Diagnostic Radiology course, School of Dentistry, University of Milano-Bicocca

Academic year 2012-2013 to date:

- Supervisor, tutor-maker and Professor on contract for the Post-Graduate School of Diagnostic Radiology, University of Milano-Bicocca
- Teaching support for the Diagnostic Radiology course, School of Medicine, University of MilanoBicocca (Professor on contract for academic year 2015-2016)

Academic year 2019-2020 to date:

- Teaching support for School of Medicine and Surgery, Bergamo (University of Milano-Bicocca)

Academic years 2014-2017:

- Professor on contract for Dental Imaging, Radiology Technologist School, University of MilanoBicocca

From 2008 to date:

- Speaker in interdepartmental courses for staff, residents, fellows and technicians

Date 20/02/2023

Signature

F.to Pietro Andrea Bonaffini

**I give authorization for my personal information to be kept on record according to the data protection act 196/2003**

