

PERSONAL INFORMATION

Antonio Arrichiello

WORK EXPERIENCE

02/2022-02/2023

Research Fellow at the NIH Clinical Center, Center for Interventional Oncology (Bethesda, MD, USA)

Research Fellow in the NIBIB and the NIH CC "Translational Research Fellowship Program": one year focused on research in all aspects of clinical and basic imaging sciences, including clinical, translational, and basic imaging research.

Experience in :

-Designing and leading a pre-clinical research project: "Effect of injection rate on bead distribution and volume delivered during embolization in a swine model."

Collaborating in several project:

-LUMI beads imageability over time in long term FU patients.

-Augmented reality for multi-needle composite liver tumor ablation on a phantom.

-US and X-ray imageable gel as drug delivery for image-guided percutaneous injection in hepatic tumors (ex-vivo, pre-clinical).

-Wood-Chuck's HCC as animal model helping developing new treatments.

-Tumor volume segmentation and evaluation in HCC patients treated with immunotherapy+loco regional therapies.

-Ablation margin and tumor morphology metrics in thermal ablation of HCC from Optima Trial.

11/2019-01/2022

IV Year Resident in Radiology at "IRCCS Ospedale Maggiore Policlinico di Milano"

Experience in Interventional Radiology

Vascular Procedure: c-TACE; deb-TACE; embolization (coil, plug, mvp, glue, pva, onyx); angioplasty; stenting; scleroembolization of varicocele; vascular access placement (PAC;CVC,PICC,MIDLINE, TESIO); vena cava filter placement; TIPS (as second and third operator); thromboaspiration; cerebral angiography.

Percutaneous Procedure: biopsy (CT, CBCT, US or fusion guided); tumor ablation (CT, CBCT, US, fusion guided and using Prediction Ablation Software); drainage (CT, CBCT or US); biliary drainage; biliary stenting; percutaneous discectomy; MSK infiltraton.

III Year Resident in Radiology at "IRCCS Ospedale Maggiore Policlinico di Milano"

Experience in Interventional Radiology and Neurointerventional Radiology.

06/2019-10/2019

"IRCCS Policlinico San Donato " (Milan),

Experience in Cardio and Vascluar Radiology.

12/2018-05/2019

II Year Resident in Radiology at "San Paolo Hospital" (Milan)

Experience in US and MRI; observer in IR.

12/2017-11/2018

I Year Resident in Radiology at "Niguarda Cà Granda Hospital" (Milan)

Experience in CT; observer in IR.

EDUCATION AND TRAINING

- 12/2017–01/2022 **Residency at the Postgraduation School in Radiodiagnostics, Università degli Studi di Milano**
 Graduated on the 12/01/2022 (60/60 cum Laude) ;
 Thesis: " Prediction Ablation Volume Software in Interventional Radiology"
- 04/11/2016 **Certificate "Advanced Life Support" (ALS), IRC; (n.067543).**
- 25/09/2016 **Certificate Basic Life Support-Defibrillation (BLS-D), IRC; (n.1233625).**
- 13/07/2016 **Professional Practice Exam, Qualified as a Medical Doctor.**
 Member of the "Ordine dei Medici e degli Odontoiatri" of Salerno, since 28/07/2016; (number 10813).
- 04/2016-06/2016 **Internship at:**
 U.o.c. General Surgery 1; Prof. D'Ugo (IRCCS Policlinico Gemelli, Rome)
 U.o.s. Gastroenterology and Endoscopy; Prof. Cammarota (IRCCS Policlinico Gemelli, Rome)
 General Practitioner; Dr. Capriani (Via Torvecchia 839, Rome)
- Faculty of Medicine, Università Cattolica del Sacro Cuore sede di Roma (Policlinico A. Gemelli).**
 Degree in Medicine and Surgery (108/110) on the 09/03/2016 ;
 Thesis: "Clinical Impact of Heart Team Decision: Prospective Evaluation."
- 2009–2016
- 2004–2009 **Classical High School, Liceo "T. Tasso" Salerno.**
 Graduation mark 97/100.

PERSONAL SKILLS

Mother tongue(s) Italian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
 Common European Framework of Reference for Languages

OTHER EXPERIENCE

- *Guest Associate Editor* in the Journal “Frontiers in Radiology”, section “Interventional Radiology”.
Editor of the Topic : “Rising Stars in Interventional Radiology:2022”
<https://www.frontiersin.org/journals/radiology/sections/interventional-radiology#editorial-board>
- *Reviewer* for several journals (CVIR, Medical Oncology, Journal of Vascular Access, World Journal of Surgical Oncology).
- *Speaker* at National and International Conference (ICIO 21, GEST22, SIRM 22..)
- *Awarded* at the GEST 22 (New York) as 3rd qualified for the “Trainee Case Competition”.
- *Awarded at the SIO2023 (Washington DC) with the “Best Abstract Award”*

PUBLICATIONS

Arrichiello, A., Angileri, S. A., Ierardi, A. M., Di Meglio, L., & Carrafiello, G. (2020). Bedside vascular access procedures for COVID-19 patients. *The journal of vascular access*, 1129729820951000. Advance online publication. <https://doi.org/10.1177/1129729820951000>

Arrichiello, A., Angileri, S. A., Buccimazza, G., Di Bartolomeo, F., Di Meglio, L., Liguori, A., Gurgitano, M., Ierardi, A. M., Papa, M., Paolucci, A., & Carrafiello, G. (2020). Interventional radiology management of high flow priapism: review of the literature. *Acta bio-medica : Atenei Parmensis*, 91(10-S), e2020010. <https://doi.org/10.23750/abm.v91i10-S.10233>

Arrichiello, A., Ierardi, AM., Angileri SA., Di Meglio L., Carrafiello G., (2021) Endovascular Management of Unintentional Thoracic Aorta Injury. *Journal of endovascular resuscitation and trauma management*. 5.1 (2021): 45–46. DOI: 10.26676/jevtm.v5i1.179

Tariciotti L, Arrichiello A, Fiore G, et al. Arterial Embolization and Second-Look in Spindle Cell Oncocytoma of the Pituitary Gland: Case Report and Review of Literature [published correction appears in *World Neurosurg*. 2021 Apr;148:269]. *World Neurosurg*. 2020;142:87-92. doi:10.1016/j.wneu.2020.05.255

Hohenstatt, S., Arrichiello, A., Conte, G., Craparo, G., Caranci, F., Angileri, A., Levi, D., Carrafiello, G., & Paolucci, A. (2020). Branch vessel occlusion in aneurysm treatment with flow diverter stent. *Acta bio-medica : Atenei Parmensis*, 91(10-S), e2020003. <https://doi.org/10.23750/abm.v91i10-S.10283>

Floridi, C., Cellina, M., Irmici, G., Bruno, A., Rossini, N., Borgheresi, A., Agostini, A., Bruno, F., Arrigoni, F., Arrichiello, A., Candelari, R., Barile, A., Carrafiello, G., & Giovagnoni, A. (2022). Precision Imaging Guidance in the Era of Precision Oncology: An Update of Imaging Tools for Interventional Procedures. *Journal of clinical medicine*, 11(14), 4028. <https://doi.org/10.3390/jcm11144028>

Angileri, S. A., Rodà, G. M., Arrichiello, A., Signorelli, G., Di Meglio, L., Gurgitano, M., Di Bartolomeo, F., Ierardi, A. M., Paolucci, A., & Carrafiello, G. (2020). Efficacy, safety and usability of bronchial artery embolization using a new anti-reflux microcatheter in the management of haemoptysis. *Acta bio-medica : Atenei Parmensis*, 91(10-S), e2020009. <https://doi.org/10.23750/abm.v91i10-S.10265>

Ierardi, A. M., Wood, B. J., Arrichiello, A., Bottino, N., Bracchi, L., Forzenigo, L., Andrisani, M. C., Vespro, V., Bonelli, C., Amalou, A., Turkbey, E. B., Turkbey, B. I., Granata, G., Pinto, A., Grasselli, G., Stocchetti, N., & Carrafiello, G. (2020). Preparation of a radiology department in an Italian hospital dedicated to COVID-19 patients. *La Radiologia medica*, 125(9), 894–901. <https://doi.org/10.1007/s11547-020-01248-1>

Liguori, A., Pandolfi, M., Gurgitano, M., Arrichiello, A., Angileri, S. A., Di Meglio, L., Ierardi, A. M., Paolucci, A., Galli, F., Stellato, E., & Carrafiello, G. (2020). Image-guided percutaneous mechanical disc decompression for herniated discs: a technical note. *Acta bio-medica : Atenei Parmensis*, 91(10-S), e2020001. <https://doi.org/10.23750/abm.v91i10-S.10247>

Mendogni, P., Daffrè, E., Rosso, L., Palleschi, A., Righi, I., Carrinola, R., Damarco, F., Polli, F., Ierardi, A., Arrichiello, A., Carrafiello, G., Nosotti, M., & Tosi, D. (2020). Percutaneous lung microwave ablation versus lung resection in high-risk patients. A monocentric experience. *Acta bio-medica : Atenei Parmensis*, 91(10-S), e2020002. <https://doi.org/10.23750/abm.v91i10-S.10342>

Angileri, S. A., Petrillo, M., Meglio, L. D., Arrichiello, A., Rodà, G. M., Ierardi, A. M., Uberoi, R., & Carrafiello, G. (2020). Adverse Events in Coronavirus Disease Patients Management: A Pictorial Essay. *Journal of clinical imaging science*, 10, 42. <https://doi.org/10.25259/JCIS.72.2020>

Doniselli, F. M., Paolucci, A., Conte, G., Rampini, P., Arrichiello, A., & Triulzi, F. M. (2020). Glue embolization of a pial arteriovenous fistula of the spinal artery. *Acta bio-medica : Atenei Parmensis*, 91(10-S), e2020004. <https://doi.org/10.23750/abm.v91i10-S.10282>

Angileri, S. A., Di Meglio, L., Petrillo, M., Arrichiello, A., Pandolfi, M., Rodà, G. M., Granata, G., Ierardi, A. M., Donat, D., Paolucci, A., & Carrafiello, G. (2020). Software-assisted US/MRI fusion-targeted biopsy for prostate cancer. *Acta bio-medica : Atenei Parmensis*, 91(10-S), e2020006. <https://doi.org/10.23750/abm.v91i10-S.10273>

Pandolfi, M., Liguori, A., Gurgitano, M., Arrichiello, A., Di Meglio, L., Rodà, G. M., Guadagni, A., Angileri, S. A., Ierardi, A. M., Buccimazza, G., Donat, D., Paolucci, A., & Carrafiello, G. (2020). Prostatic artery embolization in patients with benign prostatic hyperplasia: perfusion cone-beam CT to evaluate planning and treatment response. *Acta bio-medica : Atenei Parmensis*, 91(10-S), e2020013. <https://doi.org/10.23750/abm.v91i10-S.10260>

Angileri, S. A., Granata, G., Savoldi, A. P., Rodà, G. M., Di Meglio, L., Grillo, P., Tortora, S., Arrichiello, A., Papa, M., Liguori, A., Ierardi, A. M., De Filippo, M., Paolucci, A., & Carrafiello, G. (2020). Cooled radiofrequency ablation technology for painful bone tumors. *Acta bio-medica : Atenei Parmensis*, 91(10-S), e2020007. <https://doi.org/10.23750/abm.v91i10-S.10271>

Pesapane, F., Ierardi, A. M., Arrichiello, A., & Carrafiello, G. (2020). Providing optimal interventional oncology procedures at one of the COVID-19 referral center in Italy. *Medical oncology (Northwood, London, England)*, 37(9), 83. <https://doi.org/10.1007/s12032-020-01405-6>

Ierardi, A. M., Coppola, A., Fusco, S., Stellato, E., Aliberti, S., Andrisani, M. C., Vespro, V., Arrichiello, A., Panigada, M., Monzani, V., Grasselli, G., Venturini, M., Rehani, B., Peyvandi, F., Pesenti, A., Blasi, F., & Carrafiello, G. (2020). Early detection of deep vein thrombosis in patients with coronavirus disease 2019: who to screen and who not to with Doppler ultrasound?. *Journal of ultrasound*, 1–9. Advance online publication. <https://doi.org/10.1007/s40477-020-00515-1>

Incandela, F., Craparo, G., Abrignani, S., Tessitore, A., Pitrone, A., Caranci, F., Arrichiello, A., & Paolucci, A. (2020). Flow diverting devices in acute ruptured blood blister aneurysms: a three centric retrospective study. *Acta bio-medica : Atenei Parmensis*, 91(10-S), e2020011. <https://doi.org/10.23750/abm.v91i10-S.10261>

Gurgitano, M., Signorelli, G., Rodà, G. M., Liguori, A., Pandolfi, M., Granata, G., Arrichiello, A., Ierardi, A. M., Paolucci, A., & Carrafiello, G. (2020). Use of perfusional CBCT imaging for intraprocedural evaluation of endovascular treatment in patients with diabetic foot: a concept paper. *Acta bio-medica : Atenei Parmensis*, 91(10-S), e2020008. <https://doi.org/10.23750/abm.v91i10-S.10267>

Ierardi AM, Pesapane F, Arrichiello A, Fontana F, Piacentino F, Carrafiello G. Migration of Ethylene Vinyl Alcohol Co-Polymer in the Urinary Tract Successfully Managed. *Medicina (Kaunas)*. 2019;55(6):234. Published 2019 May 31. doi:10.3390/medicina55060234

Paolucci, A., Schisano, L., Pluderer, M., Grimoldi, N., Caranci, F., Angileri, A., Arrichiello, A., & Costa, A. (2020). Giant intracranial aneurysm following radiation therapy: literature review with a novel case discussion. *Acta bio-medica : Atenei Parmensis*, 91(10-S), e2020005. <https://doi.org/10.23750/abm.v91i10-S.10281>

Floridi, C., Cellina, M., Buccimazza, G., Arrichiello, A., Sacrini, A., Arrigoni, F., Pompili, G., Barile, A., & Carrafiello, G. (2019). Ultrasound imaging classifications of thyroid nodules for malignancy risk stratification and clinical management: state of the art. *Gland surgery*, 8(Suppl 3), S233–S244. <https://doi.org/10.21037/gs.2019.07.01>

Ierardi, A. M., Angileri, S. A., Arrichiello, A., Di Meglio, L., Gurgitano, M., Rodà, G. M., & Carrafiello, G. (2020). Pulmonary embolism in COVID-19: Ventilation and perfusion computed tomography. *IDCases*, 21, e00805. <https://doi.org/10.1016/j.idcr.2020.e00805>

Di Meglio L, Rodà GM, Arrichiello A, Gurgitano M, Carrafiello G, Angileri SA. Lifesaving embolization in a massive lumbar artery bleeding: Interventional radiology management. *Radiol Case Rep*. 2021 Aug 16;16(10):3113–3116. doi: 10.1016/j.radcr.2021.07.022..

28/02/2023
Antonio Arrichiello