

## Curriculum Vitae

**Associate Professor Federica Pedica, MD PhD**

**(Ordine Provinciale dei Medici Chirurghi e degli Odontoiatri di Milano n° iscrizione 45749, in data 14/06/2018)**

**Date and place of birth:** October, 16<sup>th</sup> 1981, Bologna (Italy)

**Citizenship:** Italy

**Work address:** Pathology Unit, DIBIT 2 (San Gabriele building), San Raffaele Hospital, via Olgettina 60, 20132, Milan, Italy

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**Job position:** Associate Professor of Human Pathology since July 1<sup>st</sup> 2023. Since June 2013, histopathologist in the Pathology Lab (Directed by Professor Claudio Doglioni)

## Education

- Padova 2018, December 13<sup>rd</sup>-15<sup>th</sup>- AISF MASTERCLASS “La diagnosi istopatologica delle malattie epatiche non neoplastiche” Prof.ssa Maria Guido
- 2016 Ph.D in Human oncological pathology and stem cell (School of Biomedical Translational science, University of Verona, Italy)
- May-June 2015 Honorary Clinical Fellow at the Institute of Liver Studies, Liver Labs, King's College Hospital, Denmark Hill, London
- 2013 Specialization in Human Pathology (University of Verona, Italy)
- 2007 Medical degree (University of Bologna, Italy)

## Research experience

Active research collaborations with:

- Collaborator in the Investigator Grant 2019, Principal Investigator Dr. Giovanni Sitia (group leader at the Experimental Hepatology Unit) "Type I interferon subtypes with high in-vivo potency for the treatment of liver colorectal cancer metastases
- Prof. Alberto Quaglia (King's College, Institute of Liver studies, Liver Labs, London) investigating hepatobiliary pathology;
- Experienced researcher from 2019 for AIRC 5X1000 "Metastatic disease: the key unmet need in oncology" - Second Edition (PI: Prof.ssa Chiara Bonini) (Advanced immune gene and cell therapies for liver metastases- Terapie immunologiche genetiche e cellulari avanzate per le metastasi epatiche)
- Principal investigator in IRCCS San Raffaele Hospital for collaboration in the project "Predicting the risk of Hepatocellular Carcinoma in patients with Non-Alcoholic Fatty Liver Disease (PREDICT-HCC). Promoter: Dr. Nicolas Goossens, Geneva University Hospital, PREDICT-HCC (Numero del registro dei pareri del CE: 231/2020)
- Partecipazione in EURO-CHOLANGIO-NET Cost Action CA18122, European group for the study of cholangiocarcinoma from 05-10-2020 a oggi
- Prof.ssa Anna Crescenzi (Fondazione Policlinico Universitario Campus Bio-Medico) *Development of multiparametric approach for new instant digital pathology to support fast diagnostic precision and appropriate clinical decision* (PNRR-POC-2022-12376531, participation as local PI)
- Prof. Francesco De Cobelli *Precision Medicine in patients with unresectable Cholangiocarcinoma; RadioEmbolization in combination* with CisGem and Durvalumab (PM-CARE, PNRR-MAD-2022-12375905, participation as Collaborator)
- Prof. Emanuele Bosi, studio Cosmos : "A Phase IIa, Randomized, Double-blind, Placebo-controlled Study to Evaluate Safety, Tolerability, and Pharmacodynamics of AZD4831 in Participants with Non-cirrhotic Non-alcoholic Steatohepatitis (NASH) with Fibrosis" (participation as Collaborator, referral pathologist in HSR)

## **Technical skills and competences**

- Routine histopathological evaluation, intraoperative diagnosis, autopsy, frozen section with microtome, immunohistochemical staining, fluorescent cell staining, confocal microscopy since June 2013.
- Referral pathologist for the Hepatobiliary pathology since May 2019
- Lecturer in Anatomical Pathology and Basic Pathology & Immunology for International MD program and Corso di Laurea in Medicina e Chirurgia at Vita-Salute San Raffaele University, supervisor of medical interns on research projects and practical rotations since 2016
- Academic Tutor for the Residents in Pathology at San Raffaele Scientific Institute since 2017
- Academic Tutor for PhD Student in Molecular Medicine San Raffaele Vita-Salute University, studentessa Dr.ssa Alessia Di Battista, titolo del progetto: Role of autophagy inhibition in Immune System response in patients with Head and Neck Cancer and Non-Small Cell Lung Cancer from February 5<sup>th</sup>, 2021 (ongoing)
- Academic Tutor for medical students of the 3<sup>rd</sup> year of International MD Program at Vita-Salute San Raffaele University since September 2022
- Consultant for liver pathology in the Pathology Unit of the GLP Mouse SR-Tiget Facility (Head: Dr.ssa Francesca Sanvito)
- Abilitazione Scientifica Nazionale (01/06/2022-01/06/2032, art. 16, comma 1, Legge 240/10)
- Participation as lecturer for Master di II livello in ERCP, "Anatomia patologica delle stenosi biliari" (Direttore Prof. Paolo Giorgio Arcidiacono, Coordinator Dr. Alberto Mariani)

## **Hawards:**

George Tiniakos Award 2020- Best free-paper presentation in gastrointestinal, liver and pancreatobiliary pathology, presented at the 32<sup>nd</sup> congress of the ESP and XXXIII international congress of the IAP 6-8 december 2020 – A new marker for intrahepatic cholangiocarcinoma: cystic fibrosis transmembrane conductance regulator

## **Member of:**

2011-ongoing Italian Society of Pathology (SIAPEC)

2014-ongoing European Society of Pathology (ESP)

2016-ongoing European Association for the Study of Liver (EASL)

2016-ongoing Associazione Italiana Studio Fegato (AISF)

2021-ongoing United States and Canadian Academy of Pathology (USCAP)

March 3<sup>rd</sup>, 2023- ongoing Review Editor for the Pathology Section of Frontiers in Medicine.

## **Partecipation as Speaker:**

- "Post operative liver failure and pancreatic neoplasms: up to date", Treviso June 23<sup>rd</sup>-24<sup>th</sup>, 2016. "The role of the pathologist, preoperative evaluation".
- CONGRESSO ANNUALE DI ANATOMIA PATOLOGIA SIAPeCIAP, Naples October 12<sup>nd</sup>-14<sup>th</sup> 2017, as Faculty "Update sui marcatori in patologia epatica", in particolare sull'utilizzo di metodica di immunoistochimica per la diagnostica delle neoplasia in sede epatica e per la refertazione della patologia non neoplastica del fegato, con note sulle colorazioni istochimiche".
- LIRaS congress June 17<sup>th</sup>-18<sup>th</sup>, 2019 - Liver Interventional Radiology and Surgery "Le terapie mini-invasive delle lesioni focali epatiche" - "La biologia tumorale, delle lesioni focali epatiche: impatto sulle scelte terapeutiche".
- Giornata nazionale di BBMRI.it, Nodo italiano di BBMRI-ERIC (Biobanking and biomolecular resources research infrastructure of Italy) "Campioni e dati: dalla diagnostica al biobanking" Milan, November 11<sup>st</sup>, 2019

- Lecturer for webinar course of Accademia Nazionale di Medicina (ACCMED): "Attualità terapeutiche nel trattamento dei tumori delle vie biliari e del fegato" Directed by: Stefano Cascinu (MI) e Lorenza Rimassa (MI), section "Anatomia patologica dei tumori primitivi del fegato" (available from December 16<sup>th</sup>, 2020 to December 15<sup>th</sup>, 2021)
- Invitation as discussant at the CONSENSUS CONFERENCE ON DRUG-INDUCED AUTOIMMUNE HEPATITIS (DI-AIH), March 2<sup>nd</sup>-3<sup>rd</sup>, 2022, Nerja, Málaga (Spain), organized by Professors Maribel Lucena e Raúl J. Andrade
- Yellow Webinar Series organized by Fondazione Italiana Fegato, ONLUS (Prof. Claudio Tiribelli, Trieste), May 9<sup>th</sup>, 2022, "Biliary tract cancer: deconvolution of tumor heterogeneity"
- European Congress of Radiology for Session: E<sup>3</sup> 1018 – Multimodality imaging of tumour heterogeneity in cancer treatment: a multidisciplinary approach, Presentation Info: E<sup>3</sup> 1018-3 - The pathologist: pathological assessment and measures of clonal heterogeneity (15 min), Wien July 13<sup>rd</sup>-17<sup>th</sup>, 2022
- EURO-EUS 2023 pre-meeting "Next-generation EUS" that will be held in Milan, at San Raffaele Hospital, on March 1st 2023 with a tandem lecture "Pathology Tandem talk – V.O.S.E./M.O.S.E./R.O.S.E" and a second lecture on "Basics of Pathology".
- Boston Scientific, Training – Patologie del Pancreas, presso l’Ospedale San Raffaele Milano – Sala riunioni - Endoscopia
- EURO-EUS 2024 Live sessions from Milan, 7<sup>th</sup>-8<sup>th</sup> March

## **Publications 61 (H-index 17)**

Ratti F, Maina C, Clocchiatti L, Marino R, Pedica F, Casadei Gardini A, De Cobelli F, Aldrighetti LAM. ASO Visual Abstract: Minimally Invasive Approach Provides Oncological Benefit in Patients with High Risk of Very Early Recurrence (VER) After Surgery for Intrahepatic Cholangiocarcinoma (iCCA). *Ann Surg Oncol.* 2024 Apr;31(4):2607. doi: 10.1245/s10434-024-14916-7. PMID: 38294611.

Ratti F, Maina C, Clocchiatti L, Marino R, Pedica F, Casadei Gardini A, De Cobelli F, Aldrighetti LAM. Minimally Invasive Approach Provides Oncological Benefit in Patients with High Risk of Very Early Recurrence (VER) After Surgery for Intrahepatic Cholangiocarcinoma (iCCA). *Ann Surg Oncol.* 2024 Apr;31(4):2557-2567. doi: 10.1245/s10434-023-14807-3. Epub 2024 Jan 2. PMID: 38165575.

Giovenzana A, Bezzecchi E, Bichisecchi A, Cardellini S, Ragogna F, Pedica F, Invernizzi F, Di Filippo L, Tomajer V, Aleotti F, Scotti GM, Socci C, Cesana G, Olmi S, Morelli MJ, Falconi M, Giustina A, Bonini C, Piemonti L, Ruggiero E, Petrelli A. Fat-to-blood recirculation of partially dysfunctional PD-1<sup>+</sup>CD4 Tconv cells is associated with dysglycemia in human obesity. *iScience.* 2024 Feb 1;27(3):109032. doi: 10.1016/j.isci.2024.109032. PMID: 38380252; PMCID: PMC10877684.

Vanella G, Dell'Anna G, Cosenza A, Pedica F, Petrone MC, Mariani A, Archibugi L, Rossi G, Tacelli M, Zaccari P, Leone R, Tamburrino D, Belfiori G, Falconi M, Aldrighetti L, Reni M, Casadei Gardini A, Doglioni C, Capurso G, Arcidiacono PG. Same-session endoscopic diagnosis and symptom palliation in pancreato-biliary malignancies: Clinical impact of rapid on-site evaluation (ROSE). *Endosc Int Open.* 2024 Feb 28;12(2):E297-E306. doi: 10.1055/a-2251-3551. PMID: 38420151; PMCID: PMC10901646.

Clocchiatti L, Marino R, Ratti F, Pedica F, Casadei Gardini A, Lorenzin D, Aldrighetti L. Defining and predicting textbook outcomes for perihilar cholangiocarcinoma: analysis of factors improving achievement of desired postoperative outcomes. *Int J Surg*. 2024 Jan 1;110(1):209-218. doi: 10.1097/JS9.0000000000000793. PMID: 37800550; PMCID: PMC10793762.

Zeng Q, Klein C, Caruso S, Maille P, Allende DS, Mínguez B, Iavarone M, Ningarhari M, Casadei-Gardini A, Pedica F, Rimini M, Perbellini R, Boulagnon-Rombi C, Heurgué A, Maggioni M, Rela M, Vij M, Baulande S, Legoix P, Lameiras S; HCC-AI study group; Bruges L, Gnemmi V, Nault JC, Campani C, Rhee H, Park YN, Iñarrairaegui M, Garcia-Porrero G, Argemi J, Sangro B, D'Alessio A, Scheiner B, Pinato DJ, Pinter M, Paradis V, Beaufrère A, Peter S, Rimassa L, Di Tommaso L, Vogel A, Michalak S, Boursier J, Loménie N, Ziolo M, Calderaro J. Artificial intelligence-based pathology as a biomarker of sensitivity to atezolizumab-bevacizumab in patients with hepatocellular carcinoma: a multicenter retrospective study. *Lancet Oncol*. 2023 Dec;24(12):1411-1422. doi: 10.1016/S1470-2045(23)00468-0. Epub 2023 Nov 8. PMID: 37951222.

Kerzel T, Giacca G, Beretta S, Bresesti C, Notaro M, Scotti GM, Balestrieri C, Canu T, Redegalli M, Pedica F, Genua M, Ostuni R, Kajaste-Rudnitski A, Oshima M, Tonon G, Merelli I, Aldrighetti L, Dellabona P, Coltella N, Doglioni C, Rancoita PMV, Sanvito F, Naldini L, Squadrito ML. In vivo macrophage engineering reshapes the tumor microenvironment leading to eradication of liver metastases. *Cancer Cell*. 2023 Nov 13;41(11):1892-1910.e10. doi: 10.1016/j.ccell.2023.09.014. Epub 2023 Oct 19. PMID: 37863068.

Potenza A, Balestrieri C, Spiga M, Albarello L, Pedica F, Manfredi F, Cianciotti BC, De Lalla C, Botrugno OA, Faccani C, Stasi L, Tassi E, Bonfiglioli S, Scotti GM, Redegalli M, Biancolini D, Camisa B, Tiziano E, Sirini C, Casucci M, Iozzi C, Abbati D, Simeoni F, Lazarevic D, Elmore U, Fiorentini G, Di Lullo G, Casorati G, Doglioni C, Tonon G, Dellabona P, Rosati R, Aldrighetti L, Ruggiero E, Bonini C. Revealing and harnessing CD39 for the treatment of colorectal cancer and liver metastases by engineered T cells. *Gut*. 2023 Jun 30;gutjnl-2022-328042. doi: 10.1136/gutjnl-2022-328042. Epub ahead of print. PMID: 37399271.

Ratti F, Marino R, Pedica F, Gardini AC, Cipriani F, Rimini M, Della Corte A, Cascinu S, De Cobelli F, Colombo M, Aldrighetti L. Radial and longitudinal margins in surgery of perihilar cholangiocarcinoma: When R1 definition is associated with different prognosis. *Surgery*. 2023 Sep;174(3):447-456. doi: 10.1016/j.surg.2023.05.014. Epub 2023 Jun 23. PMID: 37357095.

Marino R, Tudisco A, Ratti F, Pedica F, Aldrighetti L. Total portal vein replacement with peritoneal interposition graft during Whipple's procedure for extrahepatic cholangiocarcinoma: a technical report. *World J Surg Oncol*. 2023 Mar 29;21(1):117. doi: 10.1186/s12957-023-02995-x. PMID: 36978088; PMCID: PMC10053423.

Batani V, Lanzillotta M, Mahajne J, Pedica F, Palumbo D, Venturini E, Mapelli P, Bossi P, Dagna L, Della-Torre E. Association of IgG4-related disease and systemic rheumatic disorders. *Eur J Intern Med*. 2023 May;111:63-68. doi: 10.1016/j.ejim.2023.03.015. Epub 2023 Mar 17. PMID: 36935250.

Rimini M, Fabregat-Franco C, Persano M, Burgio V, Bergamo F, Niger M, Scartozzi M, Rapposelli IG, Aprile G, Ratti F, Pedica F, Verdaguer H, Rizzato M, Nichetti F, Lai E, Cappetta A, Macarulla T, Fassan M, De Braud F, Pretta A, Simionato F, De Cobelli F, Aldrighetti L, Fornaro L, Cascinu S, Casadei-Gardini A. Clinical Outcomes After Progression on First-Line Therapies in IDH1 Mutated Versus Wild-Type Intrahepatic Cholangiocarcinoma Patients. *Target Oncol*. 2023 Jan 23. doi: 10.1007/s11523-022-00933-7. Epub ahead of print. PMID: 36689074.

Codoni G, Kirchner T, Engel B, Villamil AM, Efe C, Stättermayer AF, Weltzsch JP, Sebode M, Bernsmeier C, Lleo A, Gevers TJ, Kupčinskas L, Castiella A, Pinazo J, De Martin E, Bobis I, Sandahl TD, Pedica F, Invernizzi F, Del Poggio P, Bruns T, Kolev M, Semmo N, Bessone F, Giguet B, Poggi G, Ueno M, Jang H, Elpek GÖ, Soylu NK, Cerny A, Wedemeyer H, Vergani D, Mieli-Vergani G, Lucena MI, Andrade RJ, Zen Y, Taubert R, Terziroli Beretta-Piccoli B. Histological and serological features of acute liver injury after SARS-CoV-2 vaccination. *JHEP Rep.* 2022 Oct 13;5(1):100605. doi: 10.1016/j.jhepr.2022.100605. PMID: 36440259; PMCID: PMC9691430.

Rimini M, Rimassa L, Ueshima K, Burgio V, Shigeo S, Tada T, Suda G, Yoo C, Cheon J, Pinato DJ, Lonardi S, Scartozzi M, Iavarone M, Di Costanzo GG, Marra F, Soldà C, Tamburini E, Piscaglia F, Masi G, Cabibbo G, Foschi FG, Silletta M, Pressiani T, Nishida N, Iwamoto H, Sakamoto N, Ryoo BY, Chon HJ, Claudia F, Niizeki T, Sho T, Kang B, D'Alessio A, Kumada T, Hiraoka A, Hirooka M, Kariyama K, Tani J, Atsukawa M, Takaguchi K, Itobayashi E, Fukunishi S, Tsuji K, Ishikawa T, Tajiri K, Ochi H, Yasuda S, Toyoda H, Ogawa C, Nishimur T, Hatanaka T, Kakizaki S, Shimada N, Kawata K, Tanaka T, Ohama H, Nouse K, Morishita A, Tsutsui A, Nagano T, Itokawa N, Okubo T, Arai T, Imai M, Naganuma A, Koizumi Y, Nakamura S, Joko K, Iijima H, Hiasa Y, Pedica F, De Cobelli F, Ratti F, Aldrighetti L, Kudo M, Cascinu S, Casadei-Gardini A. Atezolizumab plus bevacizumab versus lenvatinib or sorafenib in non-viral unresectable hepatocellular carcinoma: an international propensity score matching analysis. *ESMO Open.* 2022 Dec;7(6):100591. doi: 10.1016/j.esmoop.2022.100591. Epub 2022 Oct 6. PMID: 36208496; PMCID: PMC9808460.

Rimini M, Kang W, Burgio V, Persano M, Aoki T, Shimose S, Tada T, Kumada T, Sho T, Lai E, Celsa C, Campani C, Tonnini M, Tamburini E, Hiraoka A, Takaguchi K, Nishida N, Iwamoto H, Itobayashi E, Tsuji K, Sakamoto N, Ishikawa T, Toyoda H, Kudo M, Kawaguchi T, Hatanaka T, Nouse K, Suda G, Cabibbo G, Marra F, Della Corte A, Ratti F, Pedica F, De Cobelli F, Aldrighetti L, Scartozzi M, Cascinu S, Casadei-Gardini A. Validation of the easy-to-use lenvatinib prognostic index to predict prognosis in advanced hepatocellular carcinoma patients treated with lenvatinib. *Hepatol Res.* 2022 Dec;52(12):1050-1059. doi: 10.1111/hepr.13824. Epub 2022 Aug 25. PMID: 35960789.

Lazzari C, Pecciarini L, Doglioni C, Pedica F, Gajate AMS, Bulotta A, Gregorc V, Cangi MG. Case report: EML4::NTRK3 gene fusion in a patient with metastatic lung adenocarcinoma successfully treated with entrectinib. *Front Oncol.* 2022 Nov 7;12:1038774. doi: 10.3389/fonc.2022.1038774. PMID: 36419889; PMCID: PMC9676932.

Rimini M, Fabregat-Franco C, Burgio V, Lonardi S, Niger M, Scartozzi M, Rapposelli IG, Aprile G, Ratti F, Pedica F, Verdaguer H, Rizzato M, Nichetti F, Lai E, Cappetta A, Macarulla T, Fassan M, De Braud F, Pretta A, Simionato F, De Cobelli F, Aldrighetti L, Fornaro L, Cascinu S, Casadei-Gardini A. Molecular profile and its clinical impact of IDH1 mutated versus IDH1 wild type intrahepatic cholangiocarcinoma. *Sci Rep.* 2022 Nov 5;12(1):18775. doi: 10.1038/s41598-022-22543-z. PMID: 36335135; PMCID: PMC9637171.

Rimini M, Loi E, Fabregat-Franco C, Burgio V, Lonardi S, Niger M, Scartozzi M, Rapposelli IG, Aprile G, Ratti F, Pedica F, Verdaguer H, Rizzato M, Nichetti F, Lai E, Cappetta A, Macarulla T, Fassan M, De Braud F, Pretta A, Simionato F, De Cobelli F, Aldrighetti L, Fornaro L, Cascinu S, Zavattari P, Casadei-Gardini A. Next-generation sequencing analysis of cholangiocarcinoma identifies distinct IDH1-mutated clusters. *Eur J Cancer.* 2022 Nov;175:299-310. doi: 10.1016/j.ejca.2022.08.026. Epub 2022 Sep 28. PMID: 36182816.

Ravaglia C, Doglioni C, Chilosi M, Piciocchi S, Dubini A, Rossi G, Pedica F, Puglisi S, Donati L, Tomassetti S, Poletti V. Clinical, radiological and pathological findings in patients with persistent lung disease following SARS-CoV-2 infection. *Eur Respir J.* 2022 Oct 6;60(4):2102411. doi:

10.1183/13993003.02411-2021. PMID: 35301248; PMCID: PMC8932282.

Faccani C, Rotta G, Clemente F, Fedeli M, Abbati D, Manfredi F, Potenza A, Anselmo A, Pedica F, Fiorentini G, Villa C, Protti MP, Doglioni C, Aldrighetti L, Bonini C, Casorati G, Dellabona P, de Lalla C. Workflow for high-dimensional flow cytometry analysis of T cells from tumor metastases. *Life Sci Alliance*. 2022 Jun 3;5(10):e202101316. doi: 10.26508/lsa.202101316. PMID: 35724271; PMCID: PMC9166301.

Rimini M, Burgio V, Antonuzzo L, Rimassa L, Oneda E, Lavacchi D, Personeni N, Ratti F, Pedica F, Della Corte A, Persano M, De Cobelli F, Aldrighetti L, Scartozzi M, Cascinu S, Casadei-Gardini A. Real-World Data on Ivosidenib in Patients with Previously Treated Isocitrate Dehydrogenase 1-Mutated Intrahepatic Cholangiocarcinomas: An Early Exploratory Analysis. *Target Oncol*. 2022 Sep;17(5):591-596. doi: 10.1007/s11523-022-00917-7. Epub 2022 Sep 17. PMID: 36114954.

Rimini M, Macarulla T, Burgio V, Lonardi S, Niger M, Scartozzi M, Rapposelli IG, Aprile G, Ratti F, Pedica F, Verdaguer H, Nappo F, Nichetti F, Lai E, Valgiusti M, Cappetta A, Febregat C, Fassan M, De Braud F, Puzzone M, Frassinetti GL, Simionato F, De Cobelli F, Aldrighetti L, Fornaro L, Cascinu S, Casadei-Gardini A. Gene mutational profile of BRCAness and clinical implication in predicting response to platinum-based chemotherapy in patients with intrahepatic cholangiocarcinoma. *Eur J Cancer*. 2022 Aug;171:232-241. doi: 10.1016/j.ejca.2022.05.004. Epub 2022 Jun 21. PMID: 35749808.

Macias RIR, Cardinale V, Kendall TJ, Avila MA, Guido M, Coulouarn C, Braconi C, Frampton AE, Bridgewater J, Overi D, Pereira SP, Rengo M, Kather JN, Lamarca A, Pedica F, Forner A, Valle JW, Gaudio E, Alvaro D, Banales JM, Carpino G. Clinical relevance of biomarkers in cholangiocarcinoma: critical revision and future directions. *Gut*. 2022 Aug;71(8):1669-1683. doi: 10.1136/gutjnl-2022-327099. Epub 2022 May 17. PMID: 35580963.

Guzzeloni V, Veschini L, Pedica F, Ferrero E, Ferrarini M. 3D Models as a Tool to Assess the Anti-Tumor Efficacy of Therapeutic Antibodies: Advantages and Limitations. *Antibodies (Basel)*. 2022 Jul 8;11(3):46. doi: 10.3390/antib11030046. PMID: 35892706; PMCID: PMC9326665.

Colyn L, Alvarez-Sola G, Latasa MU, Uriarte I, Herranz JM, Arechederra M, Vlachogiannis G, Rae C, Pineda-Lucena A, Casadei-Gardini A, Pedica F, Aldrighetti L, López-López A, López-González A, Barbas C, Ciordia S, Van Liempd SM, Falcón-Pérez JM, Urman J, Sangro B, Vicent S, Iraburu MJ, Prosper F, Nelson LJ, Banales JM, Martínez-Chantar ML, Marin JJG, Braconi C, Trautwein C, Corrales FJ, Cubero FJ, Berasain C, Fernandez-Barrena MG, Avila MA. New molecular mechanisms in cholangiocarcinoma: signals triggering interleukin-6 production in tumor cells and KRAS co-opted epigenetic mediators driving metabolic reprogramming. *J Exp Clin Cancer Res*. 2022 May 26;41(1):183. doi: 10.1186/s13046-022-02386-2. PMID: 35619118; PMCID: PMC9134609.

Ahmed N, Tonelli L, Labagnara G, Doglioni C, Pedica F. Subcutaneous dirofilariosis in Italy: a diagnostic hypothesis to remind when the anamnesis is misleading. *Pathologica*. 2022 Apr;114(2):174-177. doi: 10.32074/1591-951X-297. PMID: 35481570; PMCID: PMC9248251.

Valenti L, Pedica F, Colombo M. Distinctive features of hepatocellular carcinoma in non-alcoholic fatty liver disease. *Dig Liver Dis*. 2022 Feb;54(2):154-163. doi: 10.1016/j.dld.2021.06.023. Epub 2021 Jul 20. PMID: 34294580.

Burgio V, Iavarone M, Di Costanzo GG, Marra F, Lonardi S, Tamburini E, Piscaglia F, Masi G, Celsa C, Foschi FG, Silletta M, Amoroso DC, Rimini M, Bruccoleri M, Tortora R, Campani C, Soldà C,

Viola MG, Forgione A, Conti F, Salani F, Catanese S, Giacchetto CM, Fulgenzi C, Coppola C, Lampertico P, Pellino A, Rancatore G, Cabibbo G, Ratti F, Pedica F, Della Corte A, Colombo M, De Cobelli F, Aldrighetti L, Cascinu S, Casadei-Gardini A. Real-Life Clinical Data of Lenvatinib versus Sorafenib for Unresectable Hepatocellular Carcinoma in Italy. *Cancer Manag Res*. 2021 Dec 24;13:9379-9389. doi: 10.2147/CMAR.S330195. PMID: 34992463; PMCID: PMC8713715.

Rimini M, Puzzone M, Pedica F, Silvestris N, Fornaro L, Aprile G, Loi E, Brunetti O, Vivaldi C, Simionato F, Zavattari P, Scartozzi M, Burgio V, Ratti F, Aldrighetti L, Cascinu S, Casadei-Gardini A. Cholangiocarcinoma: new perspectives for new horizons. *Expert Rev Gastroenterol Hepatol*. 2021 Dec;15(12):1367-1383. doi: 10.1080/17474124.2021.1991313. Epub 2021 Nov 9. PMID: 34669536.

Chiabrando F, Lanzillotta M, Palumbo D, Pedica F, Caruso M, Capurso G, Della-Torre E. Treating Type 2 Autoimmune Pancreatitis With Colchicine: A Case Series. *Ann Intern Med*. 2021 Dec;174(12):1775-1776. doi: 10.7326/L21-0281. Epub 2021 Oct 12. PMID: 34633831.

Rovati L, Kaneko N, Pedica F, Monno A, Maehara T, Perugino C, Lanzillotta M, Pecetta S, Stone JH, Doglioni C, Manfredi AA, Pillai S, Della-Torre E. Mer tyrosine kinase as a possible link between resolution of inflammation and tissue fibrosis in IgG4-related disease. *Rheumatology (Oxford)*. 2021 Oct 2;60(10):4929-4941. doi: 10.1093/rheumatology/keab096. PMID: 33512463; PMCID: PMC8487308.

Chilosi M, Poletti V, Ravaglia C, Rossi G, Dubini A, Piciucchi S, Pedica F, Bronte V, Pizzolo G, Martignoni G, Doglioni C. The pathogenic role of epithelial and endothelial cells in early-phase COVID-19 pneumonia: victims and partners in crime. *Mod Pathol*. 2021 Aug;34(8):1444-1455. doi: 10.1038/s41379-021-00808-8. Epub 2021 Apr 21. PMID: 33883694; PMCID: PMC8058579.

Ratti F, Casadei-Gardini A, Cipriani F, Fiorentini G, Pedica F, Burgio V, Cascinu S, Aldrighetti L. Laparoscopic Surgery for Intrahepatic Cholangiocarcinoma: A Focus on Oncological Outcomes. *J Clin Med*. 2021 Jun 26;10(13):2828. doi: 10.3390/jcm10132828. PMID: 34206930; PMCID: PMC8268981.

Rapposelli IG, De Matteis S, Lanuti P, Valgiusti M, Bartolini G, Ulivi P, Marisi G, Pedica F, Burgio V, Frassinetti GL, Cascinu S, Casadei-Gardini A. Heterogeneity of Response and Immune System Activity during Treatment with Nivolumab in Hepatocellular Carcinoma: Results from a Single-Institution Retrospective Analysis. *Cancers (Basel)*. 2021 Jan 8;13(2):213. doi: 10.3390/cancers13020213. PMID: 33430142; PMCID: PMC7827490.

Doglioni C, Ravaglia C, Chilosi M, Rossi G, Dubini A, Pedica F, Piciucchi S, Vizzuso A, Stella F, Maitan S, Agnoletti V, Puglisi S, Poletti G, Sambri V, Pizzolo G, Bronte V, Wells AU, Poletti V. Covid-19 Interstitial Pneumonia: Histological and Immunohistochemical Features on Cryobiopsies. *Respiration*. 2021;100(6):488-498. doi: 10.1159/000514822. Epub 2021 Mar 16. PMID: 33725700; PMCID: PMC8018216.

Capurso G, Pedica F, Palumbo D, Della Torre E. IgG4-related autoimmune liver disease. *Minerva Gastroenterol Dietol*. 2020 Dec 3. doi: 10.23736/S1121-421X.20.02794-4. Epub ahead of print. PMID: 33267565.

Pedica F, Heaton N, Quaglia A. Peribiliary glands pathology in a large series of end-stage alcohol-related liver disease. *Virchows Arch*. 2020 Dec;477(6):817-823. doi: 10.1007/s00428-020-02851-3. Epub 2020 Jun 7. PMID: 32506156.

Brandi G, Deserti M, Palloni A, Turchetti D, Zuntini R, Pedica F, Frega G, De Lorenzo S, Abbati F, Rizzo A, Di Marco M, Massari F, Tavolari S. Intrahepatic cholangiocarcinoma development in a patient with a novel BAP1 germline mutation and low exposure to asbestos. *Cancer Genet.* 2020 Oct;248-249:57-62. doi: 10.1016/j.cancergen.2020.10.001. Epub 2020 Oct 11. PMID: 33093002.

Di Filippo L, Vitali G, Taccagni G, Pedica F, Guaschino G, Bosi E, Martinenghi S. Cervix neuroendocrine carcinoma presenting with severe hypokalemia and Cushing's syndrome. *Endocrine.* 2020 Feb;67(2):318-320. doi: 10.1007/s12020-020-02202-x. Epub 2020 Jan 22. PMID: 31970585.

Talamini L, Gimondi S, Violatto MB, Fiordaliso F, Pedica F, Tran NL, Sitia G, Aureli F, Raggi A, Nelissen I, Cubadda F, Bigini P, Diomede L. Repeated administration of the food additive E171 to mice results in accumulation in intestine and liver and promotes an inflammatory status. *Nanotoxicology.* 2019 Oct;13(8):1087-1101. doi: 10.1080/17435390.2019.1640910. Epub 2019 Jul 22. PMID: 31271314.

Zaccari P, Cardinale V, Severi C, Pedica F, Carpino G, Gaudio E, Doglioni C, Petrone MC, Alvaro D, Arcidiacono PG, Capurso G. Common features between neoplastic and preneoplastic lesions of the biliary tract and the pancreas. *World J Gastroenterol.* 2019 Aug 21;25(31):4343-4359. doi: 10.3748/wjg.v25.i31.4343. PMID: 31496617; PMCID: PMC6710182.

De Vito C, Papathomas G T, Pedica F, Kane P, Amir A, Heaton N, Quaglia A. Synchronous Unicentric Castleman Disease and Inflammatory Hepatocellular Adenoma: a Case Report. *Ann Hepatol.* 2019 Jan-Feb;18(1):263-268. doi: 10.5604/01.3001.0012.7936. PMID: 31113603.

Berti A, Della-Torre E, Gallivanone F, Canevari C, Milani R, Lanzillotta M, Campochiaro C, Ramirez GA, Bozzalla Cassione E, Bozzolo E, Pedica F, Castiglioni I, Arcidiacono PG, Balzano G, Falconi M, Gianolli L, Dagna L. Quantitative measurement of 18F-FDG PET/CT uptake reflects the expansion of circulating plasmablasts in IgG4-related disease. *Rheumatology (Oxford).* 2017 Dec 1;56(12):2084-2092. doi: 10.1093/rheumatology/kex234. PMID: 28977663.

Chilosi M, Calì A, Rossi A, Gilioli E, Pedica F, Montagna L, Pedron S, Confalonieri M, Doglioni C, Ziesche R, Grubinger M, Mikulits W, Poletti V. Epithelial to mesenchymal transition-related proteins ZEB1,  $\beta$ -catenin, and  $\beta$ -tubulin-III in idiopathic pulmonary fibrosis. *Mod Pathol.* 2017 Jan;30(1):26-38. doi: 10.1038/modpathol.2016.147. Epub 2016 Sep 2. PMID: 27586205.

Callea M, Pedica F, Doglioni C. Programmed death 1 (PD-1) and its ligand (PD-L1) as a new frontier in cancer Immunotherapy and challenges for the Pathologist: state of the art. *Pathologica.* 2016 Jun;108(2):48-58. PMID: 28195250.

D'Agostino A, Trevisiol L, Favero V, Gunson MJ, Pedica F, Nocini PF, Arnett GW. Hydroxyapatite/Collagen Composite Is a Reliable Material for Malar Augmentation. *J Oral Maxillofac Surg.* 2016 Jun;74(6):1238.e1-1238.e15. doi: 10.1016/j.joms.2016.01.052. Epub 2016 Feb 13. PMID: 26954559.

Zheng SL, Yip VS, Pedica F, Prachalias A, Quaglia A. Intrahepatic bile duct mixed adenoneuroendocrine carcinoma: a case report and review of the literature. *Diagn Pathol.* 2015 Nov 20;10:204. doi: 10.1186/s13000-015-0439-1. PMID: 26589730; PMCID: PMC4654861.

Lemieszek MK, Dutkiewicz J, Golec M, Chilosi M, Skórska C, Huaux F, Pastena C, Pedica F, Sitkowska J, Lisowska W, Cholewa G, Zwoliński J, Mackiewicz B, Góra-Florek A, Ziesche R, Milanowski J. Age influence on mice lung tissue response to *Aspergillus fumigatus* chronic exposure. *Ann Agric Environ Med.* 2015;22(1):69-75. doi: 10.5604/12321966.1141371. PMID: 25780831.

Pedica F, Beccari S, Pedron S, Montagna L, Piccoli P, Doglioni C, Chilosi M. PDX-1 (pancreatic/duodenal homeobox-1 protein 1). *Pathologica*. 2014 Dec;106(4):315-21. PMID: 25845046.

Tonelli P, Martellucci J, Lucchese M, Comin CE, Bergamini C, Pedica F, Bargellini T, Valeri A. Preliminary results of the influence of the in vivo use of a lymphatic dye (patent blue v) in the surgical treatment of Crohn's disease. *Surg Innov*. 2014 Aug;21(4):381-8. doi: 10.1177/1553350613508017. Epub 2013 Nov 19. PMID: 24253255.

Luchini C, Capelli P, Fassan M, Simbolo M, Mafficini A, Pedica F, Ruzzenente A, Guglielmi A, Corbo V, Scarpa A. Next-generation histopathologic diagnosis: a lesson from a hepatic carcinosarcoma. *J Clin Oncol*. 2014 Jun 10;32(17):e63-6. doi: 10.1200/JCO.2012.47.5855. Epub 2014 Feb 3. PMID: 24493719.

Pedica F, Ruzzenente A, Bagante F, Capelli P, Cataldo I, Pedron S, Iacono C, Chilosi M, Scarpa A, Brunelli M, Tomezzoli A, Martignoni G, Guglielmi A. A re-emerging marker for prognosis in hepatocellular carcinoma: the add-value of fishing c-myc gene for early relapse. *PLoS One*. 2013 Jul 10;8(7):e68203. doi: 10.1371/journal.pone.0068203. PMID: 23874541; PMCID: PMC3707955.

Martinelli N, García-Heredia A, Roca H, Aranda N, Arija V, Mackness B, Mackness M, Busti F, Aragonès G, Pedro-Botet J, Pedica F, Cataldo I, Marsillach J, Joven J, Girelli D, Camps J. Paraoxonase-1 status in patients with hereditary hemochromatosis. *J Lipid Res*. 2013 May;54(5):1484-92. doi: 10.1194/jlr.P028977. Epub 2013 Mar 6. PMID: 23471031; PMCID: PMC3622340.

Zen Y, Pedica F, Patcha VR, Capelli P, Zamboni G, Casaril A, Quaglia A, Nakanuma Y, Heaton N, Portmann B. Mucinous cystic neoplasms of the liver: a clinicopathological study and comparison with intraductal papillary neoplasms of the bile duct. *Mod Pathol*. 2011 Aug;24(8):1079-89. doi: 10.1038/modpathol.2011.71. Epub 2011 Apr 22. PMID: 21516077.

Regi P, Butturini G, Malleo G, Pedica F, D'Onofrio M, Bassi C. Clinicopathological features of adenosquamous pancreatic cancer. *Langenbecks Arch Surg*. 2011 Feb;396(2):217-22. doi: 10.1007/s00423-010-0677-3. Epub 2010 Jul 9. PMID: 20617336.

Guglielmi A, Ruzzenente A, Campagnaro T, Pachera S, Valdegamberi A, Capelli P, Pedica F, Nicoli P, Conci S, Iacono C. Does intrahepatic cholangiocarcinoma have better prognosis compared to perihilar cholangiocarcinoma? *J Surg Oncol*. 2010 Feb 1;101(2):111-5. doi: 10.1002/jso.21452. PMID: 19953578.

Pedica F, Pecori S, Vergine M, Brunelli M, Montagna L, Pedron S, Parolini C, Daniele I, Capelli P, Menestrina F, Chilosi M. Cathepsin-k as a diagnostic marker in the identification of microgranulomas in Crohn's disease. *Pathologica*. 2009 Jun;101(3):109-11. PMID: 19886543.

Capelli P, Martignoni G, Pedica F, Falconi M, Antonello D, Malpeli G, Scarpa A. Endocrine neoplasms of the pancreas: pathologic and genetic features. *Arch Pathol Lab Med*. 2009 Mar;133(3):350-64. doi: 10.5858/133.3.350. PMID: 19260741.

Pedica F, Ligorio C, Tonelli P, Bartolini S, Baccarini P. Lymphangiogenesis in Crohn's disease: an immunohistochemical study using monoclonal antibody D2-40. *Virchows Arch*. 2008 Jan;452(1):57-63. doi: 10.1007/s00428-007-0540-2. Epub 2007 Nov 27. PMID: 18040712.